

IBM[®] DB2 Universal Database[™]

Common Criteria Certification: Installing DB2 Universal Database Enterprise Server Edition and DB2 Universal Database Workgroup Server Edition

Version 8.2 Revision 08



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Common Criteria certification of DB2 Universal Database products

For Version 8.2, DB2 Universal Database (DB2 UDB) products are certified according to the Common Criteria evaluation assurance level 4 (EAL4), augmented with Flaw remediation ALC_FLR.1. The following products are certified on the following operating systems:

	Windows [®] 2000	Linux SuSE Enterprise Server V8	AIX [®] 5.2	Solaris Operating Environment, 8
Enterprise Server Edition Note: Single-partition environment only.	Yes (32-bit only)	Yes (32-bit only)	Yes (64-bit only)	Yes (64-bit only)
Workgroup Server Edition	Yes (32-bit only)	Yes (32-bit only)	Yes (64-bit only)	Yes (64-bit only)
Personal Edition	Yes (32-bit only)	Yes (32-bit only)	N/A	N/A
Express Edition	Yes (32-bit only)	Yes (32-bit only)	N/A	N/A

Table 1. Certified DB2 Universal Database configurations

Notes:

- 1. DB2 UDB configurations on the Linux SuSE environment are Common Criteria certified on Intel-based hardware only.
- 2. In a Common Criteria certified DB2 UDB environment, DB2 UDB clients are supported on the following operating systems:
 - Windows 2000
 - Linux SuSE Enterprise Server V8
 - AIX 5.2
 - Solaris Operating Environment, 8

Only 32-bit clients are supported.

For more information about Common Criteria, see the Common Criteria web site at: http://niap.nist.gov/cc-scheme/.

For information about installing and configuring a DB2 UDB system that conforms to the Common Criteria EAL4, see the following books:

- DB2 Universal Database Common Criteria Certification: Installing DB2 Universal Database Enterprise Server Edition and DB2 Universal Database Workgroup Server Edition
- DB2 Universal Database Common Criteria Certification: Installing DB2 Universal Database Personal Edition
- DB2 Universal Database Common Criteria Certification: Installing DB2 Universal Database Express Edition
- DB2 Universal Database Common Criteria Certification: Administration and User Documentation

These books are available in PDF format from the DB2 Information Management Library.

Supported interfaces for a Common Criteria evaluated configuration

The set of DB2 Universal Database interfaces that are used in the Common Criteria evaluation of DB2 Universal Database are as follows:

- The DB2 Universal Database install program
- The command line processor
- DB2 commands
- DB2 application programming interfaces (APIs)
- SQL statements

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You can use these DB2 Universal Database interfaces when installing and configuring a Common Criteria compliant DB2 Universal Database system.

Other interfaces that are provided by DB2 Universal Database, such as the Control Center or Command Editor were not used during the Common Criteria evaluation of DB2 Universal Database, and must not be used in the Common Criteria evaluation configuration.

NOT FENCED routines are not supported.

In the Common Criteria evaluation configuration, the installation procedures as documented in the following sections must be followed and the configuration options selected must not be modified while in the evaluation configuration:

- "Installing DB2 Enterprise Server Edition on Windows 2000 for a Common Criteria compliant installation" on page 45
- "Installing DB2 Workgroup Server Edition on Windows 2000 for a Common Criteria compliant installation" on page 71
- "Installing DB2 UDB Enterprise Server Edition on Linux SuSE for a Common Criteria compliant installation" on page 99
- "Installing DB2 UDB Enterprise Server Edition on AIX 5.2 for a Common Criteria compliant installation" on page 125

• "Installing DB2 UDB Enterprise Server Edition on Solaris Operating Environment 8 for a Common Criteria compliant installation" on page 150

- "Installing DB2 UDB Workgroup Server Edition on Linux SuSE for a Common Criteria compliant installation" on page 176
- "Installing DB2 UDB Workgroup Server Edition on AIX 5.2 for a Common Criteria compliant installation" on page 201
- "Installing DB2 UDB Workgroup Server Edition on Solaris Operating Environment 8 for a Common Criteria compliant installation" on page 225

About This Book

This book describes how to install DB2 Universal Database Enterprise Server Edition and DB2 Universal Database Workgroup Server Edition for a Common Criteria evaluation. It includes detailed instructions on installing these DB2 Universal Database (DB2 UDB) products on the following operating systems:

- Windows 2000
- Linux SuSE
- Sun Solaris Operating Environment 8
- AIX Version 5.2

If you need to install other DB2 UDB products for evaluation, refer to the following books:

- DB2 Universal Database Common Criteria Certification: Installing DB2 Universal Database Personal Edition
- DB2 Universal Database Common Criteria Certification: Installing DB2 Universal Database Express Edition

For information about security in a DB2 UDB environment, and for information on configuring DB2 UDB for the Common Criteria evaluation, refer to the following book:

• DB2 Universal Database Common Criteria Certification: Administration and User Documentation

Some topics in this book may link to topics that are not in any of the books listed above. Topics that are referenced outside of the Common Criteria certification documentation are for informational purposes only, and are not required for either installing or configuring a Common Criteria compliant environment. Part 1. About DB2 Universal Database

Chapter 1. DB2 servers

DB2 UDB Enterprise Server Edition

DB2[®] Universal Database (UDB) Enterprise Server Edition (ESE) is a multiuser version of DB2 that allows you to create and manage single-partitioned or partitioned database environments. Partitioned database systems can manage high volumes of data and provide benefits such as increased performance and high availability. Other features of DB2 UDB Enterprise Server Edition include:

- A data warehouse server and related components.
- DB2 Connect[™] functionality for accessing data stored on midrange and mainframe database systems such as DB2 for iSeries[™] or DB2 UDB for z/OS[™] and OS/390[®]. DB2 UDB Enterprise Server Edition provides support for both local and remote DB2 clients.

Use of the DB2 Connect component is limited to five (5) registered users per server. If additional users are required, a separate DB2 Connect program must be acquired. Contact your IBM[®] sales representative for more information.

• Satellite administration capabilities allow DB2 UDB ESE to remotely administer DB2 UDB Personal Edition and DB2 UDB Workgroup Server Edition database servers that are configured as satellites. For more information about satellite capabilities, refer to the satellite administration documentation.

DB2 UDB Workgroup edition offers a multiuser product similar to DB2 UDB ESE, but without the ability to create partitioned database environments and without DB2 Connect functionality.

- **Note:** If you are installing a The Common Criteria compliant DB2 Universal Database environment, the following features have not been evaluated, and are not supported:
 - Multiple-partition database environments
 - Access to data stored on midrange and mainframe database systems via DB2 Connect
 - Satellite administration capability

The following diagram shows a DB2 UDB ESE configuration with four database partition servers, one per computer. Setup instructions are based on this configuration but can easily be adjusted for partitioned configurations with a fewer or greater number of computers and database partition servers.



Figure 1. A typical partitioned DB2 server environment with one instance owning computer and four participating computers

ServerA is the primary or instance-owning computer. ServerB, ServerC, and ServerD are additional participating computers.

Related tasks:

- "Single-partition installation (Windows)" on page 12
- "Partitioned installation (Windows)" in the Quick Beginnings for DB2 Servers
- "Single-partition installation (UNIX)" on page 13
- "Partitioned installation (UNIX)" in the Quick Beginnings for DB2 Servers

DB2 Workgroup Server Edition

DB2[®] Workgroup Server Edition is a multi-user version of DB2. It is designed for use in a Local Area Network (LAN) environment and provides support for both local and remote DB2 clients. DB2 Workgroup Server Edition also includes data warehouse capabilities, high availability function, and can be administered remotely from a satellite control database. For more information about satellite functionality, refer to the satellite administration documentation.

Related tasks:

- "Single-partition installation (Windows)" on page 12
- "Single-partition installation (UNIX)" on page 13

Chapter 2. DB2 clients

DB2 clients

There are four types of DB2[®] clients:

- Run-Time Client Lite. The DB2 Run-Time Client Lite is a smaller footprint version of the DB2 Run-Time Client and is available only on Windows[®]. Windows Installer Merge Modules are also available for this product that can be used to embed the functionality from this client into your own product
- Run-Time Client. Use this type of DB2 client to provide basic, non-GUI access to DB2 databases.
- Administration client. Use this type of DB2 client to remotely administer a DB2 server. The DB2 Administration client also contains all of the functionality available in the DB2 Run-Time client.

Note: The Administration Client is not supported in Common Criteria compliant environments.

• Application Development client. Use this type of DB2 client to develop DB2 database applications, including stored procedures, user defined functions, and client applications. The DB2 Application Development client also contains all of the functionality available in the DB2 Run-Time client.

A database cannot be created on a DB2 client; you can only access databases that reside on DB2 servers.

Client backlevel support:

- DB2 UDB Version 8 clients support DB2 UDB Version 8 servers.
- DB2 UDB Version 8 clients can connect to DB2 UDB Version 7 servers only if the DB2 UDB version server is running DRDA[®]-AS.
- DB2 UDB Version 7 and Version 6 clients can connect to DB2 UDB Version 8 server with limited capacity.
- DB2 UDB Version 8 clients cannot connect to DB2 Connect[™] Version 7 servers.

Note: In Common Criteria compliant environments, DB2 clients must be at the same version level as the DB2 server.

Related concepts:

- "DB2 Run-Time Client" on page 6
- "DB2 Administration Client" in the Quick Beginnings for DB2 Clients
- "DB2 Application Development Client" on page 7
- "Response file installation basics" in the Installation and Configuration Supplement
- "DB2 Run-Time Client Lite" on page 6

Related tasks:

- "Installing DB2 clients (Windows)" on page 263
- "Installing DB2 clients (UNIX)" on page 269

Related reference:

- "Version 8 incompatibilities with previous releases" in the *Administration Guide: Planning*
- "DB2 client merge modules" in the Quick Beginnings for DB2 Clients

Client types

DB2 Run-Time Client Lite

The DB2[®] Run-Time Client Lite provides basic functions that allow your applications to access DB2 Universal Database[™] servers. The DB2 Run-Time Client Lite also contains support necessary for JDBC, SQLJ, ODBC, CLI, OLE DB and .NET similar to the DB2 Run-Time client.

With its reduced installation image size, the DB2 Run-Time Client Lite is ideal for mass deployment or for bundling with your applications.

The installation program installs the language that the installation is running in, as well as the English language which is mandatory. The DB2 Run-Time Client Lite consists of one language that has support for all languages and several images that are language specific. All images contain English language support. You must use the appropriate image for the language(s) that you want to install.

Limitations:

• DB2 Run-Time Client Lite is available only on Windows[®] operating systems and supports only the TCP/IP and Named Pipes communication protocols.

Note: In Common Criteria compliant environments, only TCP/IP is supported.

• The Configuration Assistant is not packaged with the DB2 UDB Run-Time Client Lite. The only available GUI is the CLI/ODBC administration GUI.

Note: If you are installing a Common Criteria compliant environment, the CLI/ODBC administration GUI has not been evaluated, and is not supported.

• You must bind the CLI packages from a system with the proper bind files before you can use the DB2 client for CLI applications.

Related concepts:

- "DB2 Run-Time Client" on page 6
- "DB2 Administration Client" in the Quick Beginnings for DB2 Clients
- "DB2 Application Development Client" on page 7

Related tasks:

"Installing DB2 clients (Windows)" on page 263

Related reference:

• "DB2 client merge modules" in the Quick Beginnings for DB2 Clients

DB2 Run-Time Client

The DB2[®] Run-Time Client provides the functionality required for an application to access DB2 Universal Database[™] servers and DB2 Connect[™] servers. Functionality

includes communication protocol support and support for application interfaces such as JDBC, SQLJ, ODBC, CLI, OLE DB, and .NET.

Limitations:

- The Configuration Assistant is not packaged with the DB2 UDB Run-Time Client. The only available GUI is the CLI/ODBC administration GUI.
- With the DB2 Run-Time Client, you must bind the CLI packages from a system with the proper bind files before you can use the DB2 client for CLI applications.

Supported platforms:

DB2 Run-Time Clients are available for AIX[®], HP-UX, Linux, Solaris Operating Environment, and Windows[®] operating systems.

Related concepts:

- "DB2 clients" on page 5
- "DB2 Administration Client" in the Quick Beginnings for DB2 Clients
- "DB2 Application Development Client" on page 7
- "DB2 Run-Time Client Lite" on page 6

Related tasks:

- "Installing DB2 clients (Windows)" on page 263
- "Installing DB2 clients (UNIX)" on page 269

DB2 Application Development Client

The DB2[®] Application Development Client is a collection of graphical and non-graphical tools and components for developing character-based, multimedia, and object-oriented applications. Special features include the Development Center and sample applications for all supported programming languages. The Application Development Client includes the tools and components provided as part of the DB2 Administration Client product.

Supported platforms:

DB2 Application Development Clients are available for the following platforms: AIX[®], HP-UX, Linux, the Solaris Operating Environment, and Windows[®] operating systems.

Related concepts:

- "DB2 clients" on page 5
- "DB2 Run-Time Client" on page 6
- "DB2 Administration Client" in the Quick Beginnings for DB2 Clients
- "DB2 Run-Time Client Lite" on page 6

Related tasks:

- "Installing DB2 clients (Windows)" on page 263
- "Installing DB2 clients (UNIX)" on page 269

Part 2. Installing DB2 UDB servers

Chapter 3. Installation overview

Installation methods for DB2 UDB (Windows and UNIX)

This topic provides information about DB2[®] UDB installation methods. The following table shows the installation methods that are available by operating system.

Installation method	Windows®	UNIX®				
DB2 Setup wizard	Yes	Yes				
db2_install script	No	Yes				
Response file installation	Yes	Yes				
Native installation tools	No	Yes				

Table 2. Installation method by operating system.

The following list describes installation methods for DB2 UDB.

DB2 Setup wizard

The DB2 Setup wizard is a GUI installer available on both UNIX and Windows operating systems. The DB2 Setup wizard provides an easy-to-use interface for installing DB2 UDB and for performing initial setup and configuration tasks. The DB2 Setup wizard can also be used to create instances and response files.

On UNIX systems, the DB2 Setup wizard replaces the text-based installer interface (db2setup).

Note: If you are installing a Common Criteria compliant environment, the DB2 Setup wizard is the only supported method for installing DB2 Universal Database. Other methods have not been evaluated.

db2_install script

The db2_install script uses the operating systems's native installation utility to install DB2 UDB. The db2_install script prompts for a DB2 product keyword. This script installs *all* components for the DB2 product you specify, in English only. You cannot select or deselect components or interface language support. The db2_install script does not perform user and group creation, instance creation, or configuration. It installs the DB2 components to your system. This method of installation might be preferred in cases where greater control over the installation setup process than the GUI installer provides is required.

Response file installation

A response file is an ASCII file that contains setup and configuration values. The file is passed to the DB2 setup program and the installation is performed according to the values that have been specified. There are a number of ways to create a response file:

- Using the response file generator (Windows)
- Using the DB2 Setup wizard (UNIX and Windows)
- By customizing sample response files that are provided for each DB2 product (UNIX and Windows)

Using the response file generator, you can create a response file that replicates an existing installation. For example, you might install a DB2 client, fully configure the client, then generate a response file to replicate the installation and configuration of the client to other computers. The response file generator is available only on Windows.

The DB2 Setup wizard can create a response file for both UNIX and Windows installations. The selections you make as you proceed through the DB2 Setup wizard are recorded in a response file that you can save to a location on your system.

For your convenience, you can create a response file without performing an installation. This feature can be useful in an environment where a DBA does not have the authority required to perform an installation. The DBA can create a response file for the installation and provide it to the system administrator who installs the product on the DBA's behalf.

An alternative to using the response file generator or the DB2 Setup wizard to create a response file is to manually modify a sample response file. Sample response files are provided on the DB2 product CD-ROM.

Native installation tools

Installing DB2 using your operating system's native installation provides the greatest control over the installation process, but it is also more difficult than the other installation methods. When installing a particular DB2 product, you have to ensure that the required components are installed and that component dependencies are maintained. Advanced knowledge of both DB2 and your operating environment is required. User and group creation, instance creation, and configuration must be performed manually.

Related tasks:

- "Installing a DB2 product manually" in the *Installation and Configuration* Supplement
- "Response file installation of DB2 overview (UNIX)" in the *Installation and Configuration Supplement*
- "Response file installation of DB2 overview (Windows)" in the *Installation and Configuration Supplement*

Single-partition installation (Windows)

This topic outlines the steps for installing DB2 Enterprise Server Edition or Workgroup Server Edition in a single-partition database environment on Windows.

Procedure:

To install DB2 Enterprise Server Edition or Workgroup Server Edition in a single-partition database environment on Windows:

- 1. Review the DB2 product prerequisites.
- 2. Install the DB2 product using the DB2 Setup wizard. DB2 Setup wizard features include:
 - A launchpad from which you can view installation notes and release notes, and learn about DB2 UDB Version 8 features.
 - Typical, compact, and custom installation types.
 - Multiple language selection in which to perform the installation.

- The user interface and product messages are available in several languages and are installed in the languages that you choose. By installing multiple languages, you can view the interface and messages in your preferred languages.
- DB2 Administration Server setup (including DAS user setup).
- Administration contact and health monitor notification setup.
- Instance setup and configuration (including instance user setup).
- DB2 tools metadata and data warehouse control database setup.
- Response file creation. You can save your installation choices in a response file for later installation or to duplicate the installation on another computer.

Related tasks:

- "Tools catalog database and DAS scheduler setup and configuration" in the *Administration Guide: Implementation*
- "Notification and contact list setup and configuration" in the *Administration Guide: Implementation*

Related reference:

- "UPDATE ADMIN CONFIGURATION Command" in the Command Reference
- "Installation requirements for DB2 servers (Windows)" on page 18
- "Required user accounts for installation of DB2 servers (Windows)" on page 22
- "Disk and memory requirements (Windows and UNIX)" on page 17
- "setup Install DB2 Command" in the Command Reference

Single-partition installation (UNIX)

This topic outlines steps for installing DB2 Enterprise Server Edition in a single-partition database environment or DB2 Workgroup Server Edition on AIX, HP-UX, Linux, and Solaris Operating Environment.

Procedure:

To install DB2 Enterprise Server Edition in a single-partition database environment or DB2 Workgroup Server Edition on AIX, HP-UX, Linux, and Solaris Operating Environments:

- 1. Review the DB2 product prerequisites.
- 2. Mount the DB2 product CD-ROM.
- **3.** Modify kernel parameters on HP-UX, Linux, and Solaris Operating Environment.
- 4. Install the DB2 product using the DB2 Setup wizard. DB2 Setup wizard features include:
 - A launchpad from which you can view installation notes and release notes, and learn about DB2 Version 8 features
 - Typical, Compact, and Custom installation types
 - Multiple language selection in which to perform the installation.
 - The user interface and product messages are available in several languages and are installed in the languages that you choose. By installing multiple languages, you can view the interface and messages in your preferred languages.
 - DB2 Administration Server setup (including DAS user setup)

- · Administration contact and health monitor notification setup
- Instance setup and configuration (including instance user setup)
- DB2 tools metadata and data warehouse control database setup
- Response file creation

Related reference:

- "Installation requirements for DB2 servers (AIX)" on page 25
- "Installation requirements for DB2 servers (HP-UX)" in the Quick Beginnings for DB2 Servers
- "Installation requirements for DB2 servers (Linux)" on page 29
- "Installation requirements for DB2 servers (Solaris Operating Environment)" on page 31
- "db2setup Install DB2 Command" in the Command Reference

DB2 users and group (UNIX)

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Three users and three groups are required to operate DB2[®] UDB on UNIX[®]. The DB2 Setup Wizard can create the following users and groups automatically during the installation of your DB2 product.

Note: For a Common Criteria compliant installation, these users and groups must be created manually.

Instance owner

The DB2 instance is created in the instance owner home directory. This user ID controls all DB2 processes and owns all file systems and devices used by the databases contained within the instance. The default user is db2inst1 and the default group is db2iadm1.

If a user already exists with the same default name, for example, db2inst1, the DB2 installer will then search for the user db2inst2. If that user doesn't exist, it will then create that user. If that user does exist, the DB2 installer will continue its search (db2inst3, db2inst4, etc.) until it finds an available user. This algorithm also applies to the creation of fenced users and DB2 administration server users.

Fenced user

The fenced user is used to run user defined functions (UDFs) and stored procedures outside of the address space used by the DB2 database. The default user is db2fenc1 and the default group is db2fadm1. If you do not need this level of security, for example in a test environment, you may use your instance owner as your fenced user.

DB2 administration server user

The user ID for the DB2 administration server user is used to run the DB2 administration server on your system. Default user is dasusr1 and default group is dasadm1. This user ID is also used by the DB2 GUI tools to perform administration tasks against the local server database instances and databases.

This user does not contain any databases and there is only one administration server per machine. For example, one administration server can service multiple database instances.

Related tasks:

- "Creating required users for a DB2 server installation in a partitioned database environment (AIX)" in the *Quick Beginnings for DB2 Servers*
- "Creating required users for a DB2 server installation in a partitioned database environment (HP-UX)" in the *Quick Beginnings for DB2 Servers*
- "Creating required users for a DB2 server installation in a partitioned database environment (Linux)" in the *Quick Beginnings for DB2 Servers*
- "Creating required users for a DB2 server installation in a partitioned database environment (Solaris Operating Environment)" in the *Quick Beginnings for DB2 Servers*

Granting user rights (Windows)

This topic describes the steps required to grant user rights on Windows operating systems. Specific user rights are recommended for user accounts required to install and set up DB2.

Prerequisites:

To grant advanced user rights on Windows you must be logged on as a local Administrator.

Procedure:

Windows NT

- Click Start and select Programs —> Administrative Tools (Common) —> User Manager for Domains.
- 2. In the User Manager window, select **Policies** —> **User Rights** from the menu bar.
- 3. In the User Rights Policy window, select the **Show Advanced User Rights** check box then in the **Right** drop down box, select the user right you want to grant. Click **Add**.
- 4. In the Add Users and Groups window select the user or the group you want to grant the right to and click **OK**.
- 5. In the User Rights Policy window, select the user or the group you have added from the **Grant To** list box and click **OK**.

Windows 2000, Windows XP, and Windows Server 2003

- Click Start and select Settings —> Control Panel —> Administrative Tools.
 - Note: On Windows XP and Windows Server 2003 computers, for some Windows Themes, this will be: Settings —> Control Panel —> Performance and Maintenance —> Administrative Tools.
- 2. Select Local Security Policy.
- 3. In the left window pane, expand the Local Policies object, then select User Rights Assignment.
- 4. In the right window pane, select the user right that you want to assign.
- 5. From the menu, select Action —> Security...
- 6. Click Add, then select a user or group to assign the right to, and click Add.
- 7. Click OK.

Note: If your computer belongs to a Windows 2000 or Windows Server 2003 domain, the domain user rights may override your local settings. In this case, your Network Administrator will have to make the changes to the user rights.

Related concepts:

• "User, user ID and group naming rules" in the *Administration Guide: Implementation*

Related tasks:

• "Installing DB2 Personal Edition - overview (Windows)" in the Quick Beginnings for DB2 Personal Edition

Related reference:

• "Required user accounts for installation of DB2 servers (Windows)" on page 22

DB2 UDB system administrator group (Windows)

By default, system administrative (SYSADM) authority is granted to any valid DB2[®] user account that belongs to the Administrators group on the computer where the account is defined. If the account is a local account, then it must belong to the local Administrators group. If the account is a domain account, then it must belong to the Administrators group at the domain controller.

For example, if a user logs on to a domain account and tries to access a DB2 database, DB2 goes to a domain controller to enumerate groups (including the Administrators group). You can force DB2 to always perform group lookup on the local computer by setting the registry variable DB2_GRP_LOOKUP=local and adding the domain accounts (or global groups) to the local group.

For a domain user to have SYSADM authority, it must belong to the Administrators group on the domain controller. Since DB2 always performs authorization at the machine where the account is defined, adding a domain user to the local Administrators group on the server does not grant the domain user SYSADM authority to this group.

To avoid adding a domain user to the Administrators group at the domain controller, create a global group and add the domain users to which you want to grant SYSADM authority to it, and then update the DB2 configuration parameter SYSADM_GROUP with the name of the global group. To do so, enter the following commands:

db2stop db2 update dbm cfg using sysadm_group global_group db2start

Related tasks:

• "Installing DB2 Personal Edition - overview (Windows)" in the *Quick Beginnings* for DB2 Personal Edition

Chapter 4. Installation requirements

Disk and memory requirements (Windows and UNIX)

Disk requirements:

The disk space required for your product depends on the type of installation you choose and the type of file system you have. The DB2 Setup wizard provides dynamic size estimates based on the components selected during a typical, compact, or custom installation.

On Windows, you might require significantly more space on FAT (File Allocation Table) drives with large cluster sizes than with NTFS (New Technology File System) drives.

Remember to include disk space for required software, communication products, and documentation.

Memory requirements:

At a minimum, DB2 UDB requires 256 MB of RAM. 512MB of RAM memory is recommended if you use the GUI tools. When determining memory requirements, be aware of the following:

- For DB2 client support, these memory requirements are for a base of 5 concurrent client connections. You will need an additional 16 MB of RAM per 5 client connections.
- Additional memory is required for other software that is running on your system.
- Additional memory might be required to improve the performance of the DB2 GUI tools.
- Specific performance requirements can determine the amount of memory needed.
- Memory requirements are affected by the size and complexity of your database system.
- Memory requirements are affected by the extent of database activity and the number of clients accessing your system.
- On Linux, a SWAP space of at least twice as large as your RAM is recommended, but not required.

NIS installation considerations

In environments that include security software, such as NIS or NIS+, there are some installation considerations. The DB2 installation scripts attempt to update objects that are under the control of the security packages, such as users and groups, and will not be able to do so if NIS or NIS+ is installed.

At instance creation, without a security component present, the instance-owning user's group properties are automatically modified to add the administrative server's group as a secondary group, and the administrative server's group properties are modified to include the instance owner's group. If the instance creation program is unable to modify these properties (it will not if NIS/NIS+ is controlling the group), it reports that it could not. The warning message provides the necessary information to manually make the changes.

These considerations hold true for any environment in which an external security program does not allow the DB2 installation or instance creation programs to modify user characteristics.

If the DB2 Setup wizard detects NIS on your computer, you are not given the option of creating new users during the installation. Instead, you must choose existing users.

Consider the following restrictions if you are using NIS or NIS+:

- Groups and users must be created on the NIS server before running the DB2 Setup wizard.
- Secondary groups must be created for the DB2 instance owner and the DB2 Administration Server on the NIS server. You must then add the primary group of the instance owner to the secondary DB2 Administration Server group. Likewise, you must add the primary DB2 Administration Server group to the secondary group for the instance owner.
- On a DB2 ESE system, before you create an instance, there must be an entry for the instance in the etc/services file. For example, if you want to create an instance for the user db2inst1, you require an entry similar to the following: DB2 db2inst1 50000/tcp

Related tasks:

- "Installing DB2 Personal Edition overview (Linux)" in the *Quick Beginnings for* DB2 Personal Edition
- "Manually creating required groups and users for DB2 Personal Edition (Linux)" in the Quick Beginnings for DB2 Personal Edition

DB2 server installation (Windows)

Installation requirements for DB2 servers (Windows)

To install a DB2 UDB server, the following operating system, software, hardware, and communications requirements must be met:

Operating system requirements

For the most up-to-date operating system information, see http://www.ibm.com/software/data/db2/udb/sysreqs.html.

DB2 UDB Workgroup Server Edition runs on:

- Windows NT Version 4 with Service Pack 6a or later
- Windows 2000 Professional, Standard Server, Advanced Server, and Datacenter Servers
- Windows XP (32-bit)
- Windows Server 2003 (32-bit)

DB2 UDB Enterprise Server Edition runs on:

• Windows NT Version 4 with Service Pack 6a or later

- Windows 2000 Professional, Standard Server, Advanced Server, and Datacenter Servers. Windows 2000 Service Pack 2 or later is required for Windows Terminal Server.
- Windows Server 2003 (32-bit and 64-bit)

Windows 2000 Service Pack 3 and Windows XP Service Pack 1 are required for running DB2 applications in either of the following environments:

- Applications that have COM+ objects using Open Database Connectivity (ODBC).
- Applications that use OLE DB Provider for ODBC with OLE DB resource pooling disabled

If you are unsure about whether your application environment qualifies, it is recommended that you install the appropriate Windows service level.

For more information about COM+, see the following Microsoft Knowledge Base article:

• http://support.microsoft.com/default.aspx?scid=KB;EN-US;306414

The Windows 2000 Service Pack 3 and Windows XP Service Pack 1 are not required for the DB2 server or any of the applications that are shipped as part of the DB2 products.

Note: Windows 2000 is the only supported Windows-based platform for Common Criteria compliant environments.

Hardware requirements

For 32-bit DB2 products, a Pentium or Pentium compatible CPU is required. For 64-bit DB2 products, an Itanium or Itanium compatible CPU is required.

Note: For Common Criteria compliant environments, only 32-bit configurations are supported. 64-bit configurations are not certified.

Software requirements

- MDAC 2.7 is required. The DB2 Setup wizard will install MDAC 2.7 if it is not already installed.
- You require the appropriate SDK to use Java-based tools like the DB2 Control Center, and to create and run Java applications, including stored procedures and user-defined functions.
- A browser is required to view online help.

Windows 2000 Terminal Server installation limitation:

You cannot install DB2 Version 8 from a network mapped drive using a remote session on Windows 2000 Terminal Server edition. The available workaround uses Universal Naming Convention (UNC) paths to launch the installation or run the installation from the console session.

For example, if the directory c:\pathA\pathB\...\pathN on a serverA is shared as serverdir, you can open \\serverA\serverdir\filename.ext to access the file c:\pathA\pathB\...pathN\filename.ext on the server.

Communication requirements

You can use APPC, TCP/IP, MPTN (APPC over TCP/IP), Named Pipes, and NetBIOS. To administer a Version 8 DB2 UDB database remotely, you

must connect using TCP/IP. DB2 Version 8 servers, using the DB2 Connect server support feature, support only outbound client APPC requests; there is no support for inbound client APPC requests.

Note: For Common Criteria compliant environments, only TCP/IP is supported.

- For TCP/IP, Named Pipes, and NetBIOS connectivity, no additional software is required.
- For APPC (CPI-C) connectivity, through the DB2 Connect server support feature, one of the communication products shown in the following table is required.

Table 3. Supported SNA (APPC) products

Operating system	SNA (APPC) communication product
Windows NT	IBM Communications Server Version 6.1.1 or later
	IBM Personal Communications for Windows Version 5.0 with CSD 3
	Microsoft SNA Server Version 3 Service Pack 3 or later
Windows 2000	IBM Communications Server Version 6.1.1 or later
	IBM Personal Communications for Windows Version 5.0 with CSD 3
	Microsoft SNA Server Version 4 Service Pack 3 or later
Windows XP	IBM Personal Communications for Windows Version 5.5 with APAR IC23490
Windows Server 2003	Not supported.

• If you plan to use LDAP (Lightweight Directory Access Protocol), you require either a Microsoft LDAP client or an IBM SecureWay LDAP client V3.2.1 or later.

Windows (64–bit) considerations

- Local 32–bit applications are supported.
- 32-bit UDFs and stored procedures are supported.
- SQL requests from remote 32-bit downlevel clients are supported.
- DB2 Version 8 Windows 64-bit servers support connections from DB2 Version 6 and Version 7 32-bit clients only for SQL requests. Connections from Version 7 64-bit clients are not supported.

Related tasks:

• "Single-partition installation (Windows)" on page 12

Related reference:

• "Java SDK levels for DB2 UDB" on page 37

Security issues when installing DB2 Universal Database

Security issues are important to the DB2[®] administrator from the moment the product is installed.

To complete the installation of DB2 Universal DatabaseTM (DB2 UDB), a user ID, a group name, and a password are required. The GUI-based DB2 UDB install program creates default values for different user IDs and the group. Different defaults are created, depending on whether you are installing on UNIX[®] or Windows[®] platforms:

 On UNIX platforms, the DB2 UDB install program creates different default users for the DAS (dasusr), the instance owner (db2inst), and the fenced user (db2fenc).

The DB2 UDB install program appends a number from 1-99 to the default user name, until a user ID that does not already exist can be created. For example, if the users db2inst1 and db2inst2 already exist, the DB2 UDB install program creates the user db2inst3. If a number greater than 10 is used, the character portion of the name is truncated in the default user ID. For example, if the user ID db2fenc9 already exists, the DB2 UDB install program truncates the c in the user ID, then appends the 10 (db2fen10). Truncation does not occur when the numeric value is appended to the default DAS user (for example, dasusr24).

• On Windows platforms, the DB2 UDB install program creates the default user db2admin for the DAS user, the instance owner, and fenced users. Unlike UNIX platforms, no numeric value is appended to the user ID.

To minimize the risk of a user other than the administrator from learning of the defaults and using them in an improper fashion within databases and instances, change the defaults during the install to a new or existing user ID of your choice.

Note: Response file installations do not use default values for user IDs or group names. These values must be specified in the response file.

Passwords are very important when authenticating users. If no authentication requirements are set at the operating system level and the database is using the operating system to authenticate users, users will be allowed to connect. For example on UNIX operating systems, undefined passwords are treated as NULL. In this situation, any user without a defined password will be considered to have a NULL password. From the operating system's perspective, this is a match and the user is validated and able to connect to the database. Use passwords at the operating system level if you want the operating system to do the authentication of users for your database.

Note: You cannot use undefined passwords if you want your database environment to adhere to Common Criteria requirements.

After installing DB2 Universal Database also review, and change (if required), the default privileges that have been granted to users. By default, the installation process grants system administration (SYSADM) privileges to the following users on each operating system:

Windows 9x

Any Windows 98, or Windows ME user.

Other Windows environments

On Windows NT[®], Windows 2000, Windows XP, or Windows Server 2003, a valid DB2 UDB username that belongs to the Administrators group.

UNIX platforms

A valid DB2 UDB username that belongs to the primary group of the instance owner.

The SYSADM authority level provides the most powerful set of privileges available within DB2 Universal Database. As a result, you may not want all of these users to have SYSADM authority by default. DB2 UDB provides the administrator with the ability to grant and revoke privileges to groups and individual user IDs.

By updating the database manager configuration parameter *sysadm_group*, the administrator can control which group of users possesses SYSADM authority. You must follow the guidelines below to complete the security requirements for both DB2 UDB installation and the subsequent instance and database creation.

Any group defined as the system administration group (by updating *sysadm_group*) must exist. The name of this group should allow for easy identification as the group created for instance owners. User IDs and groups that belong to this group have system administrator authority for their respective instances.

The administrator should consider creating an instance owner user ID that is easily recognized as being associated with a particular instance. This user ID should have as one of its groups the name of the SYSADM group created above. Another recommendation is to use this instance-owner user ID only as a member of the instance owner group and not to use it in any other group. This should control the proliferation of user IDs and groups that can modify the instance, or any object within the instance.

The created user ID must be associated with a password to provide authentication before being permitted entry into the data and databases within the instance. The recommendation when creating a password is to follow your organization's password naming guidelines.

Related concepts:

- "Naming rules in an NLS environment" in the *Administration Guide: Implementation*
- "Naming rules in a Unicode environment" in the *Administration Guide: Implementation*
- "Windows NT platform security considerations for users" in the *Administration Guide: Implementation*
- "UNIX platform security considerations for users" in the *Administration Guide: Implementation*
- "Authentication" in the Administration Guide: Planning
- "Authorization" in the Administration Guide: Planning
- "Location of the instance directory" in the Administration Guide: Implementation
- "General naming rules" in the Administration Guide: Implementation
- "User, user ID and group naming rules" in the *Administration Guide: Implementation*

Required user accounts for installation of DB2 servers (Windows)

If you are installing on Windows NT, Windows 2000, Windows XP, or Windows Server 2003, you require the following DB2 server user accounts:

• an installation user account and

- one or more setup user accounts
 - a DB2 Administration Server (DAS) user account
 - a DB2 instance user account.

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The installation user account must be defined prior to running the DB2 Setup wizard. The setup user accounts can be defined prior to installation or you can have the DB2 Setup program create them for you.

Note: In a Common Criteria compliant installation, the user accounts are created before DB2 is installed.

All user account names must adhere to your system naming rules and to DB2 naming rules.

DB2 enhanced security on Windows:

DB2 now offers enhanced Windows security. You can install DB2 with a user ID, but unless that user ID belongs to either the DB2ADMNS or DB2USERS group, that user ID won't be able to run any DB2 commands.

The DB2 installer creates these two new groups. You can either use a new name or accept the default names.

To enable this security feature, select the Enable operating system security check box on the Enable operating system security for DB2 object panel during the installation of DB2. Accept the default values for the DB2 Administrators Group field, and the DB2 Users Group field. The default group names are DB2ADMNS and DB2USERS. If there is a conflict with existing group names, you will be prompted to change the group names. If required, you can specify your own values.

Note: In a Common Criteria compliant installation of DB2, these groups are not used.

DB2 server user accounts:

Installation user account

A local or domain user account is required to perform the installation. The user account must belong to the *Administrators* group on the machine where you will perform the installation.

For domain accounts, to verify userIDs on the DB2 server, the installation userID must belong to the Domain Administrators group on the domain where the accounts are going to be created.

You may also use the built-in LocalSystem account to run the installation for all products except DB2 UDB Enterprise Server Edition.

DB2 Administration Server (DAS) user account

A local or domain user account is required for the DB2 Administration Server (DAS).

If you are performing a response file installation, you can also specify the Local System Account in the response file. For more details, refer to the sample response files in the db2\windows\samples directory.

The DB2 Administration Server (DAS) is a special DB2 administration service used to support the GUI tools and assist with administration tasks

on local and remote DB2 servers. The DAS has an assigned user account that is used to log the DAS service on to the computer when the DAS service is started.

You can create the DAS user account before installing DB2 or you can have the DB2 Setup wizard create it for you. If you want to have the DB2 Setup wizard create a new domain user account, the user account you use to perform the installation must have authority to create domain user accounts. The user account must belong to the *Administrators* group on the machine where you will perform the installation. This account will be granted the following user rights:

Note: In a Common Criteria compliant installation of DB2, the DAS user account is created before DB2 is installed.

- Act as part of the operating system
- Debug programs

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- · Create token object
- Lock pages in memory
- Log on as a service
- Increase quotas
- Replace a process level token

The Lock pages in memory privilege is required for AWE (Advanced Windowing Extensions) support. The "Debug programs" privilege is only needed when DB2 group lookup is explicitly specified to use the access token.

If the user account is created by the install program, the user account will be granted these privileges and if the user account already exists, this account will also be granted these privileges. If the install grants the privileges, some of them will only be effective on first log-on by the account that was granted the privileges or reboot.

It is recommended that the DAS user have SYSADM authority on each of the DB2 systems within your environment so that it can start or stop other instances if required. By default, any user that is part of the *Administrator* group has SYSADM authority.

DB2 instance user account

A local or domain user account is required for the DB2 instance. Every DB2 instance has one user that is assigned when the instance is created. DB2 logs on with this user name when the instance is started.

You may also use the built-in LocalSystem account to run the installation for all products except DB2 UDB Enterprise Server Edition.

You can create the DB2 instance user account before installing DB2 or you can have the DB2 Setup wizard create it for you. If you want to have the DB2 Setup wizard create a new domain user account, the user account you use to perform the installation must have authority to create domain user accounts. The user account must belong to the *Administrators* group on the machine where you will perform the installation. This account will be granted the following user rights:

Note: In a Common Criteria compliant installation of DB2, the instance user account is created before DB2 is installed.

• Act as part of the operating system
- Debug programs
- Create token object
- Increase quotas
- Lock pages in memory
- Log on as a service
- Replace a process level token

The Lock pages in memory privilege is required for AWE (Advanced Windowing Extensions) support. The "Debug programs" privilege is only needed when DB2 group lookup is explicitly specified to use the access token.

If the user account is created by the install program, the user account will be granted these privileges and if the user account already exists, this account will also be granted these privileges. If the install grants the privileges, some of them will only be effective on first log-on by the account that was granted the privileges or reboot.

Related concepts:

• "User, user ID and group naming rules" in the *Administration Guide: Implementation*

Related tasks:

- "Single-partition installation (Windows)" on page 12
- "Partitioned installation (Windows)" in the Quick Beginnings for DB2 Servers

DB2 server installation (UNIX)

Installation requirements for DB2 servers (AIX)

This topic lists the hardware, operating system, software, and communications requirements for DB2 Enterprise Server Edition and DB2 Workgroup Server Edition on AIX.

Hardware requirements

One of:

- IBM RISC/6000
- eServer pSeries

Operating system requirements

For the most up-to-date operating system information, see http://www.ibm.com/software/data/db2/udb/sysreqs.html.

DB2 Enterprise Server Edition, for either single-partition or partitioned database environment, is available on:

AIX Version 4.3.3 (32-bit only) with Maintenance level 11

> For JFS filesystems: APAR IY49385

For Java:

OpenGL.OpenGL_X.rte.base

OpenGL.OpenGL_X.rte.soft

X11.adt.lib

AIX Version 5.1.0 (32-bit and 64-bit) with Maintenance level 5

For JFS filesystems: APAR IY48735

For JFS2 filesystems: APAR IY49254

For Java:

Recommended Maintenance Package AIX 5100-04 and APAR IY46667

For running more than 1000 db2agents:

APAR IY49220, and specify "vmtune -T 0" before db2start or in AIX bootup

AIX Version 5.2.0 (32-bit and 64-bit)

with Maintenance level 2, and:

Note: Common Criteria compliant environments are only certified on AIX Version 5.2.0, 64-bit only. Other configurations are not certified.

For Concurrent I/O (CIO) and Direct I/O (DIO) mounted volume:

APARs IY49129 and IY49346

For JFS filesystems: APAR IY48339

For JFS2 filesystems: APAR IY49304

For Java:

Recommended Maintenance Package AIX 5200-01 and APAR IY46668

For running more than 1000 db2agents and using the 32-bit AIX kernel:

APAR IY49885, and specify "vmo -o pta_balance_threshold=0" before db2start or in AIX bootup

DB2 Workgroup Server Edition, on single-partition environments only, is available on:

AIX Version 4.3.3 (32-bit only) with Maintenance level 11

For JFS filesystems: APAR IY49385

For Java:

OpenGL.OpenGL_X.rte.base

OpenGL.OpenGL_X.rte.soft

X11.adt.lib

AIX Version 5.1.0 (32-bit and 64-bit) with Maintenance level 5

For JFS filesystems: APAR IY48735

For JFS2 filesystems: APAR IY49254

For Java:

Recommended Maintenance Package AIX 5100-04 and APAR IY46667

For running more than 1000 db2agents:

APAR IY49220, and specify "vmtune -T 0" before db2start or in AIX bootup

AIX Version 5.2.0 (32-bit and 64-bit)

with Maintenance level 2, and:

Note: Common Criteria compliant environments are only certified on AIX Version 5.2.0, 64-bit only. Other configurations are not certified.

For Concurrent I/O (CIO) and Direct I/O (DIO) mounted volume:

APARs IY49129 and IY49346

For JFS filesystems: APAR IY48339

For JFS2 filesystems: APAR IY49304

For Java:

Recommended Maintenance Package AIX 5200-01 and APAR IY46668

For running more than 1000 db2agents and using the 32-bit AIX kernel:

APAR IY49885, and specify "vmo -o pta_balance_threshold=0" before db2start or in AIX bootup

Note: You can query your system to see if a particular APAR is installed with the instfix -v -i -k <*APAR*> command. For example, instfix -v -i -k IY31254.

The following AIX file sets are required to install or run DB2 in languages other than English:

- X11.fnt.ucs.ttf (AIX Windows Unicode TrueType Fonts)
- xlC.rte 5.0.2.x or 6.0.0.x
- For Asian languages, the following file sets are also required:
 - X11.fnt.ucs.ttf_CN (for zh_CN or Zh_CN)
 - X11.fnt.ucs.ttf_KR (for ko_KR)
 - X11.fnt.ucs.ttf_TW (for zh_TW or Zh_TW)
- On AIX Version 4.3.3 the following file sets are required:
 - xlC.aix43.rte 5.0.2.x or 6.0.0.x
 - OpenGL.OpenGL_X.rte.base 4.3.3.76
 - OpenGL.OpenGL_X.rte.soft 4.3.3.75
 - X11.adt.lib 4.3.3.10
- On AIX Version 5.x the following file set is required:

xlC.aix50.rte 5.0.2.x or 6.0.0.x

AIX file sets can be downloaded from:

http://techsupport.services.ibm.com/server/fixes

Software requirements

- You require the appropriate SDK to use Java-based tools like the DB2 Control Center, and to create and run Java applications, including stored procedures and user-defined functions.
- A browser is required to view online help.

DB2 Administration Server (DAS) requirements

The following requirements must be met:

- A DAS must be created on each DB2 server that you wish to administer for the GUI tools to work properly, only one DAS needs to reside on each physical machine.
- Each DAS must be created under a user ID (same as an instance).
- If the same user ID is to be used on all physical computers, then that userID's home directory cannot be shared (cross mounted) with the other computers.
- If a different user ID is used for each DAS, then the home directories of the user IDs that are used can be shared (cross mounted).
- As long as a DAS is created on each computer, it does not matter whether:
 - A different user ID is used for each DAS, or
 - The same user ID is used and that the user ID's home directory is not shared.

DB2 UDB installation on NFS (Network File System)

The installation of DB2 products on NFS (Network File System) is not supported. Installing DB2 on NFS (for example, NFS mounting /usr/opt/db2_08_01 or /opt/IBM/db2/V8.1) can be error prone and these errors can be difficult to diagnose.

Only the DB2 installation image can be NFS-mounted (located on a system other than the one DB2 runs on, or a remote filesystem or partition). DB2 must be installed to a local drive and not an NFS-mounted drive.

For example, you can copy your DB2 product CD onto system A (for example, an NFS server), and install DB2 on systems B, C, and D using NFS to launch the DB2 installation code from system A. However, you cannot install your DB2 product on system A, and then use DB2 on systems B, C, or D. Additionally, you cannot launch the DB2 installation process on system B, install the code on system A, and use it on system B. The DB2 code must be local to the system running DB2.

Related tasks:

• "Single-partition installation (UNIX)" on page 13

Related reference:

• "Java SDK levels for DB2 UDB" on page 37

Installation requirements for DB2 servers (Linux)

This topic lists the hardware, distribution, package, software, and communication requirements for DB2 Enterprise Server Edition, DB2 Workgroup Server Edition, and DB2 Workgroup Server Unlimited Edition on Linux.

Hardware requirements

DB2 Workgroup Server Edition and DB2 Workgroup Server Unlimited Edition are supported on:

- Intel 32-bit
- IBM eServer iSeries that support Linux
- IBM eServer pSeries that support Linux

DB2 Enterprise Server Edition, in either a single-partition or partitioned environment, is supported on:

- Intel 32-bit and 64-bit
- AMD 64-bit
- PowerPC 64-bit
- DB2 31-bit requires S/390 9672 Generation 5 or later, Multiprise 3000 or eServer zSeries.
- DB2 64-bit requires eServer zSeries.
- IBM eServer iSeries that support Linux
- IBM eServer pSeries that support Linux
- **Note:** If you are installing a Common Criteria compliant environment, only Linux SuSE Enterprise Server V8 on 32-bit Intel based hardware is a certified configuration. Other Linux configurations are not evaluated.

Distribution requirements

For the latest information on supported distribution and kernel levels, point your browser to http://www.ibm.com/db2/linux/validate

Package requirements

The following tables list the package requirements for SuSE and RedHat distributions for DB2 partitioned servers (Linux) Version 8. The pdksh package is required for all DB2 systems. The rsh-server and nfs-utils packages are required for partitioned database systems. Both packages should be installed and running to continue with the setup of DB2 on partition database systems. To have the rsh-server running, inetd (or xinetd) must be installed and running as well.

For more information, see your Linux distribution documentation.

Package requirements for SuSE

Package name	Description
pdksh	Korn Shell. This package is required for partitioned database environments.
rsh-server	This package contains a set of server programs which allow users to run commands on remote computers, login in to other computers, and copy files between computers (rsh, rexec, rlogin, and rcp).
nfs-utils	Network File System support package. It allows access for local files to remote computers.

Package requirements for RedHat

Directory	Package name	Description
/System Environment/Shell	pdksh	Korn Shell. This package is required for partitioned database environments.
/System Environment/Daemons	rsh-server	This package contains a set of programs which allow users to run commands on a remote computer. Required for partitioned database environments.
/System Environment/Daemons	nfs-utils	Network File System support package. It allows access for local files to remote computers.

Software requirements

- You require the appropriate SDK to use Java-based tools like the DB2 Control Center, and to create and run Java applications, including stored procedures and user-defined functions.
- A web browser is required to view online help.
- X Window System software capable of rendering a graphical user interface is required. You require this software if you want to use the DB2 Setup wizard to install DB2 Enterprise Server Edition or if you want to use any DB2 graphical tools.

Communication requirements

TCP/IP is required to access remote databases. Your particular Linux distribution provides TCP/IP connectivity if it is selected during the installation. If your Linux computer is installed on an existing network and is required to use a static IP address, then information similar to that found in the following table should be collected from your network administrator:

Example of TCP/IP settings

Name	Example number
Host IP address	191.72.1.3
Subnet mask	255.255.255.0
Gateway	191.72.1.1
Domain name	191.72.3.1

This information should be specified either during the installation of your Linux distribution, or after the installation is finished using your distribution's setup utility.

DB2 Administration Server (DAS) requirements

The following requirements must be met:

- A DAS must be created on each physical system for the Control Center and the Task Center to work properly.
- Each DAS must be created under a userID (same as an instance).
- If the same userID is to be used on all physical systems, then that userID's home directory cannot be shared (cross mounted) with the other systems.
- If a different userID is used for each DAS, then the home directories of the userIDs that are used can be shared (cross mounted).
- As long as a DAS is created on each system, it does not matter whether:
 - A different userID is used for each DAS, or

- The same userID is used and that the userID's home directory is not shared.

Installing DB2 products or sharing instance directory on NFS (Network File System)

The installation of DB2 products on NFS (Network File System) is not supported. Installing DB2 on NFS (for example, NFS mounting /usr/opt/db2_08_01 or /opt/IBM/db2/V8.1) can be error prone and these errors can be difficult to diagnose.

Only the DB2 installation image can be NFS-mounted (located on a system other than the one DB2 runs on, or a remote filesystem or partition). DB2 must be installed to a local drive and not an NFS-mounted drive.

For example, you can copy your DB2 product CD onto system A (for example, an NFS server), and install on systems B, C, and D using NFS to launch the DB2 installation code from system A. However, you cannot install your DB2 product on system A, and then use DB2 on systems B, C, or D. Additionally, you cannot launch the DB2 installation process on system B, install the code on system A, and use it on system B. The DB2 code must be local to the system running DB2.

Related tasks:

- "Preparing to install DB2 UDB for Linux on zSeries" in the *Quick Beginnings for* DB2 Servers
- "Modifying kernel parameters (Linux)" on page 40

Related reference:

• "Java SDK levels for DB2 UDB" on page 37

Installation requirements for DB2 servers (Solaris Operating Environment)

This topic lists the hardware, operating system, software, and communication requirements for DB2 Enterprise Server Edition or Workgroup Server Edition on the Solaris Operating Environment.

Hardware requirements

Solaris UltraSPARC-based computer

Operating system requirements

For the most up-to-date operating system information, see http://www.ibm.com/software/data/db2/udb/sysreqs.html.

Note: If you are installing a Common Criteria compliant environment, the only certified configuration is single-partition 64-bit Solaris 8. Other configurations are not certified.

DB2 Workgroup Server Edition (single-partition database environment only) is supported on the following Solaris Operating Environment versions:

- Solaris 7 (32-bit) "Recommended & Security Patches" + 107226-17 + 107153-01 + 106327-10
- Solaris 8 (32-bit) "Recommended & Security Patches" + 108921-12 + 108940-24 + 108434-03 and 108528-12
- Solaris 9 (32–bit)

DB2 Enterprise Server Edition, on both single-partition and partitioned database environment, is supported on the following Solaris Operating Environment versions:

- Solaris 7 (32-bit) "Recommended & Security Patches" + 107226-17 + 107153-01 + 106327-10
- Solaris 7 (64-bit) "Recommended & Security Patches" + 107226-17 + 107153-01 + 106300-11 + 106327-10
- Solaris 8 (32-bit) "Recommended & Security Patches" + 108921-12 + 108940-24 + 108434-03 and 108528-12
- Solaris 8 (64-bit) "Recommended & Security Patches" + 108921-12 + 108940-24 + 108435-03 + 108434-03 and 108528-12
- Solaris 9 (32-bit)
- Solaris 9 (64-bit)

"Recommended & Security Patches" can be obtained from the http://sunsolve.sun.com Web site. From the SunSolve Online Web site, click on the "Patches" menu item in the left panel.

The J2SE Solaris Operating Environment Patch Clusters and the SUNWlibC software are also required and can be obtained from the http://sunsolve.sun.com Web site.

For DB2 on 64-bit Fujitsu PRIMEPOWER systems, you require the following:

- Solaris 8 Kernel Update Patch 108528-16 or later to get the fix for patch 912040-01.
- Solaris 9 Kernel Update Patch 112233-01 or later to get the fix for patch 912041-01.

The Fujitsu PRIMEPOWER patches for the Solaris Operating Environment can be downloaded from FTSI at: http://download.ftsi.fujitsu.com/.

Software requirements

- You require the appropriate SDK to use Java-based tools like the DB2 Control Center, and to create and run Java applications, including stored procedures and user-defined functions.
 - **Note:** The DB2 Control Center is not supported interface in a Common Criteria compliant configuration.
- A browser is required to view online help.

Communication requirements

APPC or TCP/IP. DB2 UDB Version 8 servers, using the DB2 Connect server support feature, support only outbound APPC client requests; there is no support for inbound APPC client requests. You can use only TCP/IP to remotely administer databases.

- For TCP/IP connectivity, no additional software is required.
 - **Note:** For Common Criteria compliant environments, only TCP/IP is supported.
- For APPC (CPI-C) connectivity, through the DB2 Connect server support feature, you require SNAP-IX for Solaris V7.02.

DB2 Administration Server (DAS) requirements

The following requirements must be met:

- A DAS must be created on each physical computer for the Control Center and the Task Center to work properly.
- Each DAS must be created under a userID (same as an instance).
- If the same user ID is to be used on all physical computer, then that userID's home directory cannot be shared (cross mounted) with the other computers.
- If a different user ID is used for each DAS, then the home directories of the user IDs that are used can be shared (cross mounted).
- As long as a DAS is created on each computer , it does not matter whether:
 - A different user ID is used for each DAS, or
 - The same user ID is used and that the user ID's home directory is not shared.

DB2 UDB installation on NFS (Network File System)

The installation of DB2 products on NFS (Network File System) is not supported. Installing DB2 on NFS (for example, NFS mounting /usr/opt/db2_08_01 or /opt/IBM/db2/V8.1) can be error prone and these errors can be difficult to diagnose.

Only the DB2 installation image can be NFS-mounted (located on a system other than the one DB2 runs on, or a remote filesystem or partition). DB2 must be installed to a local drive and not an NFS-mounted drive.

For example, you can copy your DB2 product CD onto system A (for example, an NFS server), and install DB2 on systems B, C, and D using NFS to launch the DB2 installation code from system A. However, you cannot install your DB2 product on system A, and then use DB2 on systems B, C, or D. Additionally, you cannot launch the DB2 installation process on system B, install the code on system A, and use it on system B. The DB2 code must be local to the system running DB2.

Related tasks:

• "Modifying kernel parameters (Solaris Operating Environment)" on page 41

Related reference:

• "Java SDK levels for DB2 UDB" on page 37

Chapter 5. Preinstallation tasks

Installing the IBM Developer Kit for Java (UNIX)

Depending upon your operating system, the IBM[®] Developer Kit for Java[™] (SDK) 1.3.1, SDK 1.4.1, or SDK 1.4.2 is required for DB2[®] to use the DB2 Control Center or to create and run Java applications, including stored procedures and user-defined functions. The IBM Software Developer's Kit (SDK) is supported, as well as the HP-UX JDK and the Solaris Operating Environment JDK.

A hybrid platform is a platform where you get 32–bit and 64–bit instance support in the same install. On hybrid platforms, the 32–bit version of the SDK is installed during the DB2 product installation, but not the 64–bit version of the SDK. The 64–bit version of the SDK is shipped on another CD-ROM. On non-hybrid platforms, the correct 31–bit, 32–bit, or 64–bit SDK is installed during the DB2 product installation.

The 64-bit SDK is part of the DB2 product CD-ROM on non-hybrid 64-bit platforms. For hybrid 64-bit platforms the 64-bit SDK is available on a separate CD-ROM and is not shipped as part of the DB2 product CD-ROM.

The SDK is installed whenever a component that requires Java is being installed. However, if the installer detects that SDK is already installed, it will not install it again. The SDK is installed in its own directory and does not overwrite any previous levels of the SDK.

In cases where 64-bit Java is required, a message appears telling you that Java 64-bit is required. If this message appears, you must install Java 64-bit. This applies to hybrid platforms only.

Restrictions:

The installation of the Java SDK is attempted only if you use one of the following DB2 installation methods:

- GUI install program (db2setup)
- Response file installation (db2setup -r response_file)

Other methods, either using SMIT or db2_install script, will not install the Java SDK.

Procedure:

To install the SDK manually:

1. Run the command appropriate for your operating system from the /cdrom/db2/<platform>/Java-1.4 directory, where <platform> represents your operating system (for example, aix or solaris).

Operating System	Command	Installation directory
AIX [®] 32–bit (SDK 1.3.1)	installp -acgqX -d . Java131.adt	/usr/java131

Operating System	Command	Installation directory
AIX 64-bit (SDK 1.3.1)	installp -acgqX -d . Java131_64.adt	/usr/java13_64
AIX 32-bit	installp -acgqX -Y -d . Java14.sdk	/usr/java141
AIX 64-bit	installp -acgqX -Y -d . Java14_64.sdk	/usr/java14_64
HP-UX 32-bit and 64–bit	<pre>swinstall -x allow_incompatible=true -x mount_all_filesystems=false -s <path_to_depot_dir>/sdk14_1420 _1100.depot T1456AA</path_to_depot_dir></pre>	/opt/java1.4
	Note: path_to_depot_dir must be the actual path to the directory which contains the depot fileset, starting from the "/". For example, path_to_depot_dir on the HP-UX 32-bit CD would be /cdrom/db2/hpux/Java-1.4/.	
HP Itanium 32-bit and 64-bit	<pre>swinstall -x allow_incompatible=true -x mount_all_filesystems=false -s <path_to_depot_dir>/sdk14_14201_ 1122.depot T1458AA</path_to_depot_dir></pre>	/opt/java1.4
	Note: path_to_depot_dir must be the actual path to the directory which contains the depot fileset, starting from the "/". For example, path_to_depot_dir on the HP-UX 32-bit CD would be /cdrom/db2/hpux/Java-1.4/	
Linux IA32	rpm -ivh IBMJava2-SDK-1.4.1-2.0.i386.rpm	/opt/IBMJava2-141
Linux IA64	rpm -ivh IBMJava2-SDK-1.4.1-2.0.ia64.rpm	/opt/IBMJava2-141
Linux 390	rpm -ivh IBMJava2-SDK-1.4.1-2.0.s390.rpm	/opt/IBMJava2-s390-141
Linux 390 64-bit	rpm -ivh IBMJava2-SDK-1.4.1-2.0.s390x.rpm	/opt/IBMJava2-s390-141
Linux PPC 32-bit	rpm -ivh IBMJava2-SDK-1.4.1-2.0.ppc.rpm	/opt/IBMJava2-ppc-141
Linux PPC 64-bit	rpm -ivh IBMJava2-SDK-1.4.1-2.0.ppc64.rpm	/opt/IBMJava2-ppc64- 141
SUN 32-bit	pkgadd -d . SUNWj3rt SUNWj3dev SUNWj3man SUNWj3dmo	/usr/j2se
SUN 64-bit	pkgadd -d . SUNWj3rt SUNWj3dev SUNWj3man SUNWj3dmo SUNWj3rtx SUNWj3dmx SUNWj3dvx	/usr/j2se

 To verify that the IBM SDK is installed, run the <path>/jre/bin/java -version command, where <path> represents the path where the SDK was installed. Refer to the installation directory for each platform listed above.

You should receive output similar to the following, which is for AIX:

java version "1.4.1" Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.1) Classic VM (build 1.4.1, J2RE 1.4.1 IBM AIX build ca141-20030930 (JIT enabled: jitc))

The IBM SDK is also available from the IBM developerWorks[®] web site at: • http://www.ibm.com/developerworks/java/jdk/index.html

RPM-based installation of DB2 on Linux:

When you install DB2 Universal Database[™] Version 8 on Linux, the RPM-based installation attempts to install the IBM Java RPM (IBM SDK 1.4.1 SR2). If a later level of the RPM, such as IBM SDK 1.5.1 SR1, already exists, the back-level RPM is not installed.

However, in this case, the installation leaves the JDK_PATH database configuration parameter pointing to the back-level path. As a result, none of the Java-dependant functionality, including the installation of the DB2 Tools Catalog, will work.

To solve this problem, run the following command as the instance owner: db2 update dbm cfg using JDK_PATH <exisitng SDK path> <back-level SDK path>

This update will point DB2 Universal Database to the correct IBM Developer Kit.

Related reference:

• "Java SDK levels for DB2 UDB" on page 37

Java SDK levels for DB2 UDB

You require the appropriate level of SDK listed below to use Java-based tools like the DB2 Control Center, and to create and run Java applications, including stored procedures and user-defined functions.

If the SDK is required by some component being installed and the SDK is not already installed, the SDK will be installed if you use either the DB2 Setup wizard or a response file to install the product.

The SDK is not installed with the DB2 Run-Time client.

For the most up-to-date SDK information, see the DB2 UDB system requirements web page at http://www.ibm.com/software/data/db2/udb/sysreqs.html

For the most up-to-date Linux SDK information, see the IBM developer kit for Linux web page at:

http://www-106.ibm.com/developerworks/java/jdk/linux/tested.html

The following table lists the SDK levels for DB2 according to operating system:

Operating System		SDK level
XA7*	32–bit	SDK 1.4.1 Service Release 1
Wildows	64–bit	SDK 1.4.1 Service Release 1
AIX 4.3.3 32-bit		SDK 1.3.1
AIX 5	32–bit	SDK 1.4.1 Service Release 1
	64–bit	SDK 1.4.1 Service Release 1
Solaris Operating	32–bit	SDK 1.4.2
Environment (hybrid)	64–bit	SDK 1.4.2
HP-UX RISC (hybrid)	32–bit	SDK 1.4.2.01
	64–bit	SDK 1.4.2.01

Operating Syste	em	SDK level
	32–bit	SDK 1.4.2.01
HF-UX hamum (hybrid)	64–bit	SDK 1.4.2.01
	32–bit	SDK 1.4.1 Service Release 2
LinuxIA	64–bit	See the DB2 UDB system requirements web page for more information.
Linux390	31–bit	SDK 1.4.1 Service Release 2
	64–bit	SDK 1.4.1 Service Release 2
Linux AMD (bybrid)	32–bit	SDK 1.4.1 Service Release 2
LinuxAIVID (nybrid)	64–bit	SDK 1.4.1 Service Release 2 (32-bit version)
LinuxPPC (hybrid)	32–bit	SDK 1.4.1 Service Release 2
	64–bit	SDK 1.4.1 Service Release 2

Related concepts:

• "Installing the IBM Developer Kit for Java (UNIX)" on page 35

Creating group and user IDs for a DB2 UDB installation (UNIX)

Three users and groups are required to operate DB2. The user and group names used in the following instructions are documented in the table below. You may specify your own user and group names as long as they adhere to system naming rules and DB2 naming rules.

The user IDs you create will be required to complete subsequent setup tasks.

Required user	Example user name	Example group name
Instance owner	db2inst1	db2iadm1
Fenced user	db2fenc1	db2fadm1
DB2 administration server user	dasusr1	dasadm1

Table 4. Required users and groups

- The instance owner home directory is where the DB2 instance will be created.
- The fenced user is used to run user defined functions (UDFs) and stored procedures outside of the address space used by the DB2 database.
- The user ID for the *DB2 administration server user* is used to run the DB2 administration server on your system.
 - **Note:** In a Common Criteria compliant environment, the DB2 GUI tools have not been evaluated and are not supported.

Prerequisites:

You must have root authority to create users and groups.

Procedure:

To create the required groups and user IDs for DB2:

1. Log in as a user with root authority.

- 2. Enter the appropriate commands for your operating system.
 - **Note:** These command line examples do not contain passwords. They are examples only. Use the *passwd username* parameter from the command line to set the password.
 - **AIX** To create groups on AIX, enter the following commands:

mkgroup	id=999	db2iadm1
mkgroup	id=998	db2fadm1
mkgroup	id=997	dasadm1

Create users for each group:

```
mkuser id=1004 pgrp=db2iadm1 groups=db2iadm1
home=/home/db2inst1 db2inst1
mkuser id=1003 pgrp=db2fadm1 groups=db2fadm1
home=/home/db2fenc1 db2fenc1
mkuser id=1002 pgrp=dasadm1 groups=dasadm1
home=/home/dasusr1 dasusr1
```

HP-UX

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To create groups on HP-UX, enter the following commands:

groupadd -g 999 db2iadm1 groupadd -g 998 db2fadm1 groupadd -g 997 dasadm1

Create users for each group:

useradd -g db2iadm1 -d /home/db2inst1 -m db2inst1 useradd -g db2fadm1 -d /home/db2fenc1 -m db2fenc1 useradd -g dbasgrp -d /home/dasusr1 -m dasusr1

Linux To create groups on Linux, enter the following commands:

groupadd -g 999 db2iadm1 groupadd -g 998 db2fadm1 groupadd -g 997 dasadm1

Create users for each group:

useradd -u 1004 -g db2iadm1 -m -d /home/db2inst1 db2inst1 useradd -u 1003 -g db2fadm1 -m -d /home/db2fenc1 db2fenc1 useradd -u 1002 -g dasadm1 -m -d /home/dasusr1 dasusr1

Solaris Operating Environment

To create groups on Solaris Operating Environment, enter the following commands:

groupadd -g 999 db2iadm1 groupadd -g 998 db2fadm1 groupadd -g 997 dasadm1

Create users for each group:

useradd -g db2iadm1 -u 1004 -d /export/home/db2inst1 -m db2inst1

useradd -g db2fadm1 -u 1003 -d /export/home/db2fenc1 -m db2fenc1

useradd -g dasadm1 -u 1002 -d /export/home/dasusr1 -m dasusr1

Related concepts:

• "General naming rules" in the Administration Guide: Implementation

Related tasks:

• "Installing a DB2 product manually" in the *Installation and Configuration* Supplement

Kernel parameters (UNIX)

Modifying kernel parameters (Linux)

Before installing DB2 UDB, you may want to update your Linux kernel parameters. DB2 UDB automatically raises the IPC limits where necessary. You might still want to raise these limits further depending on your particular needs.

Prerequisites:

You must have root authority to modify kernel parameters.

Procedure:

To update kernel parameters:

RedHat and SuSE

Systems using a 2.4.x series kernel have a default value for the message queue parameter (msgmni), which allows only a few simultaneous connections to DB2. Semaphore array parameters also have to be changed for DB2 to run successfully. To check shared memory segment, semaphore array, and message queue limits, issue the ipcs -1 command.

The following is the output from the ipcs -1 command.

```
# ipcs -1
----- Shared Memory Limits -----
max number of segments = 4096
                                          // SHMMNI
max seg size (kbytes) = 32768
max total shared memory (kbytes) = 8388608
min seg size (bytes) = 1
----- Semaphore Limits ------
max number of arrays = 1024
                                         // SEMMNI
max semaphores per array = 250
max semaphores system wide = 256000
max ops per semop call = 32
semaphore max value = 32767
----- Messages: Limits ------
max queues system wide = 1024
                                         // MSGMNI
max size of message (bytes) = 65536
default max size of queue (bytes) = 16384 // MSGMAX
```

Modify the kernel parameters by adding the following entries to the default system control configuration file, /etc/sysctl.conf:

kernel.msgmni = 1024 kernel.sem = 250 256000 32 1024

where

max semaphores system wide =
max number of arrays x max semaphores/array

Run sysctl with -p parameter to load in sysctl settings from the default file /etc/sysctl.conf.

sysctl -p

The entries from the syscel.conf file are read during startup by the network initialization script.

On some distributions you may be required to add sysct1 -p in one of the system initialization files (for example, rc.local) so that kernel parameters are set after each reboot.

Modifying kernel parameters (Solaris Operating Environment)

Before installing DB2 UDB, it is recommended that you update your system kernel configuration parameters.

Use the db2osconf command to suggest recommended kernel parameters.

You must restart your system after modifying kernel parameters.

Prerequisites:

You must have root authority to modify kernel parameters.

Procedure:

To set a kernel parameter, add a line at the end of the /etc/system file as follows: set parameter_name = value

For example, to set the value of the msgsys:msginfo_msgmax parameter, add the following line to the end of the /etc/system file:

set msgsys:msginfo_msgmax = 65535

After updating the /etc/system file, restart the system.

Related reference:

• "db2osconf - Utility for Kernel Parameter Values Command" in the *Command Reference*

Chapter 6. Installation tasks

Single-partition database environment (Windows)

Installing DB2 servers in a single-partition database environment (Windows)

This task describes how to start the DB2 Setup wizard on Windows. You will use the DB2 Setup wizard to define your installation and install DB2 to your system.

Prerequisites:

Before you start the DB2 Setup wizard:

- Ensure that your system meets installation, memory, and disk requirements.
- If you are planning to use LDAP on Windows 2000 or Windows Server 2003 to register the DB2 server in Active Directory, you must extend the directory schema before you install.
- You must have a local *Administrator* user account with the recommended user rights to perform the installation.
- Close all programs so the installation program can update files as required.

Procedure:

To start the DB2 Setup wizard:

- 1. Log on to the system with the Administrator account that you have defined for DB2 installation.
- 2. Insert the CD-ROM into the drive. If enabled, the auto-run feature automatically starts the DB2 Setup launchpad:



From this window, you can view installation prerequisites and the release notes, or you can proceed directly to the installation. You may want to review the installation prerequisites and release notes for late-breaking information. Select **Install Products** and select the DB2 product to install.

3. The DB2 Setup wizard will determine the system language, and launch the setup program for that language. If you want to run the setup program in a different language, or the setup program failed to auto-start, you can start the DB2 Setup wizard manually.

To start the DB2 Setup wizard manually:

- a. Click Start and select the Run option.
- b. In the **Open** field, enter the following command:

x:\setup /i language

where:

- *x:* represents your CD-ROM drive
- *language* is the territory identifier for your language (for example, EN for English).

If the /i flag is not specified, the installation program will run in the default language of the operating system.

- c. Click OK.
- 4. Launch the installation and proceed by following the setup program's prompts. Online help is available to guide you through the remaining steps. To invoke the online help, click Help or press F1. You can click **Cancel** at any time to end the installation.

If you want to verify your installation using the sample database, be sure to install the sample database component under the Getting Started component group. The sample database is included as part of a Typical installation.

For information on errors encountered during installation, see the db2.log and db2wi.log files located in the 'My Documents'\DB2LOG\ directory. The location of the 'My Documents' directory will depend on the settings on your computer.

The db2wi.log file captures the most recent DB2 installation information. The db2.log captures the history of DB2 installations.

If you want your DB2 product to have access to DB2 documentation either on your local computer or on another computer on your network, then you must install the DB2 Information Center. The DB2 Information Center contains documentation for DB2 Universal Database and DB2 related products. See Installing the DB2 Information Center using the DB2 Setup wizard (Windows)

Note: The DB2 Information Center was not evaluated in the Common Criteria certification of DB2 Universal Database. If you are installing DB2 Universal Database to be Common Criteria compliant, do not install the DB2 Information Center.

Related concepts:

- "DB2 Information Center" in the Infrastructure Topics (DB2 Common Files)
- "DB2 Information Center installation scenarios" in the *Infrastructure Topics* (DB2 *Common Files*)

Related tasks:

- "Installing the DB2 Information Center using the DB2 Setup wizard (Windows)" in the *Infrastructure Topics (DB2 Common Files)*
- "Installing DB2 Personal Edition overview (Windows)" in the *Quick Beginnings* for DB2 Personal Edition
- "Installing database partition servers on participating computers (Windows)" in the *Quick Beginnings for DB2 Servers*
- "Tools catalog database and DAS scheduler setup and configuration" in the *Administration Guide: Implementation*
- "Notification and contact list setup and configuration" in the *Administration Guide: Implementation*

Related reference:

- "UPDATE ADMIN CONFIGURATION Command" in the Command Reference
- "Installation requirements for DB2 servers (Windows)" on page 18
- "Language identifiers for running the DB2 Setup wizard in another language" on page 285
- "Disk and memory requirements (Windows and UNIX)" on page 17

If you are installing DB2 Universal Database on a Windows-based platform for a Common Criteria compliant environment, see the following:

- For installing DB2 UDB Enterprise Server Edition:
 - On Windows 2000, see "Installing DB2 Enterprise Server Edition on Windows 2000 for a Common Criteria compliant installation"
- For installing DB2 UDB Workgroup Server Edition:
 - On Windows 2000, see "Installing DB2 Workgroup Server Edition on Windows 2000 for a Common Criteria compliant installation" on page 71.

Installing DB2 Enterprise Server Edition on Windows 2000 for a Common Criteria compliant installation

This task provides detailed instructions on installing DB2 UDB Enterprise Server Edition on Windows 2000 for a Common Criteria compliant installation.

Prerequisites:

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- Windows 2000 must be installed on the computer.
- Windows 2000 must be configured to disable remote access services (such as terminal server and filesystem shares) before DB2 Universal Database is installed. For information on performing this task, refer to the operating system documentation.
- The computer on which you install DB2 Universal Database must be physically protected from untrusted users.
- The domain, user name, and password for the DB2 Administration Server. If you do not have these values, obtain them from the system administrator. For more information about the DB2 Administration Server user account, see "Required user accounts for installation of DB2 servers (Windows)" on page 22.
- The "IBM DB2 Setup Launchpad" should be open.

Procedure:

To install DB2 UDB Enterprise Server Edition on Windows 2000 for a Common Criteria compliant installation.

1. On the "IBM DB2 Setup Launchpad", click Install Product.



Figure 2. DB2 Setup Launchpad

- 2. On the second page of the "IBM DB2 Setup Launchpad"
 - a. In the **Select the product you would like to install** box, ensure that the **DB2 UDB Enterprise Server Edition** radio button is selected, as follows:

局 IBM DB2 Setup Launchpad	
DB2. Universal Database Version 8.2	
Setup	19171.
Select the product you would like to install	
⊙ DB2 UDB Enterprise Server Edition	
DB2 UDB Enterprise Server Edition is an enterprise version of DB2 Universal Datak Through the use of the Database Partitioning Feature (a seperately licensable feature you can purchase), it supports database partitioning. It also provides connectivity to d stored on host systems. DB2 client components are also included.	base. e that lata
Back Next > Help	
(C) Copyright International Business, Machines Corporation, 1993, 2004. All Rights Resented.	

Figure 3. IBM DB2 Setup Launchpad

b. Click Next. In a moment, the "DB2 Setup wizard" opens, as follows:



Figure 4. DB2 Setup wizard

- 3. Click Next. The "License Agreement" page opens.
- 4. On the "License Agreement" page:
 - a. Select the I accept the terms in the license agreement radio button:

🕼 DB2 Setup wizard - DB2 Enterprise Server Edition
License Agreement
Please read the following license agreement carefully.
International Program License Agreement
Part 1 - General Terms
PLEASE READ THIS AGREEMENT CAREFULLY BEFORE USING THE PROGRAM. IBM WILL LICENSE THE PROGRAM TO YOU ONLY IF YOU FIRST ACCEPT THE TERMS OF THIS AGREEMENT. BY USING THE PROGRAM YOU AGREE TO THESE TERMS. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, PROMPTLY RETURN THE UNUSED PROGRAM TO THE PARTY (EITHER IBM OR ITS RESELLER) FROM WHOM YOU ACQUIRED IT TO RECEIVE A REFUND OF THE AMOUNT YOU PAID. The Program is owned by International Business Machines Corporation or one of its subsidiaries (IBM) or an IBM supplier, and is copyrighted and licensed, not sold.
The term "Program" means the original program and all whole or partial copies of it. A Program consists of machine-readable instructions, its components, data, audio-visual content (such as images, text, recordings, or pictures), and related licensed materials.
I accept the terms in the license agreement I do not accept the terms in the license agreement InstallShield
Print < Back Next > Cancel

Figure 5. DB2 Setup wizard - Licence Agreement page

- b. Click Next. The "Select the installation type" page opens.
- 5. On the "Select the installation type" page:
 - a. Select the **Custom** radio button:

记 DB2 Setup wizard - D	DB2 Enterprise Server Edition	×
Select the insta	Illation type	
C <u>T</u> ypical: DB2 will be To add fun	Approximately 350 - 560 MB installed with most features and functionality, using a typical configuration with default value ctionality, select the desired functions from the following list.	25.
	Additional functions	
	Data warehousing	
	Satellite administration capability	
⊂ <u>c</u> ompact:	Approximately 260 - 400 MB	
Basic DB2 f	eatures and functionality will be installed, and minimal configuration will be performed.	
Custom:	Approximately 260 - 600 MB	
Select the l requires kn	features that you want installed, and specify configuration options for DB2. This option owledge of DB2 features and settings.	
InstallShield		
	< Back Next > Cancel	Help

Figure 6. DB2 Setup wizard - Select the installation type page

- b. Click Next. The "Select the installation action" page opens.
- 6. On the "Select the installation action" page:
 - a. Select the **Install DB2 Enterprise Server Edition on this computer** check box.

🐺 DB2 Setup wizard - DB2 Enterprise Server Edition	_ 🗆 🗙
Select the installation action	
The DB2 Setup Wizard can install DB2 Enterprise Server Edition on your computer and create a response file for use in a response file installation. You can use a response file to install on this computer or on other computers at a later time.	
If you are setting up a DB2 Enterprise Server Edition (ESE) partitioned database environment, you can create a response file to install DB2 on the other computers that will act as database partition servers.	
☑ Install DB2 Enterprise Server Edition on this computer	
Save your settings in a response file	
InstallShield	
< <u>Back</u> Cancel	Help

Figure 7. DB2 Setup wizard - Select the installation action page

- b. Click Next. The "Select how this computer will be used" page opens.
- 7. On the "Select how this computer will be used" page:
 - a. Select the **Single-partition database environment** radio button.

🔀 DB2 Setup wizard - DB2 Enterprise Server Edition
Select how this computer will be used
Single-partition database environment
This computer will function as a standalone database server. Select this option if this computer will not be part of a partitioned database environment.
C Partitioned database environment
This computer will be part of a partitioned database environment. Select this option if this computer will be one of a group of computers making up a partitioned database environment.
You must also choose the type of database partition server you are installing on this computer.
Instance-owning database partition server
This computer will be the instance-owning database partition server in a partitioned database environment. You only need to perform this installation option on one computer in your partitioned database environment.
C New database partition server
This computer will be a new database partition server in an existing partitioned database environment.
InstallShield
< <u>B</u> ack Cancel Help

Figure 8. DB2 Setup wizard - Select how this computer will be used page

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- b. Click Next. The "Select the features you want to install" page opens.
- 8. On the "Select the features you want to install" page:
 - a. Open the + beside the **Getting started** option.
 - b. Select the **First Steps** option, and left click. Select **This feature will not be available** from the pop-up menu. Performing this action prevents the **First Steps** option from being installed.

🛱 DB2 Setup wizard - DB2 Enterprise Server Edition	×
Select the features you want to install	
Click on an icon in the list below to change how a feature is installed.	
DB2 Enterprise Server Edition Getting started Y Getting started Sample Database Warehouse Sample Database Source XML Extender Samples Client support	Description First Steps is a graphical tool that will help familiarize you with DB2 features and functions.
Application Development tools Administration tools Server support Business Intelligence	This feature requires 50 MB on your hard drive.
- Installation directory	
Drive Drive Space re 517 MB	quired: Disk Space
Directory C:\Program Files\IBM\SQLLIB\	⊆hange
InstallShield	
< <u>Back</u>	Next > Cancel Help

Figure 9. DB2 Setup wizard - Select the features you want to install page; First Steps option deselected for installation

- c. Open the + beside the **Client support** option.
- d. Open the + beside the **Communication protocols** option.
- e. Select the **APPC** option, and left click. Select **This feature will not be available** from the pop-up menu. Use the **This feature will not be available** option of the pop-up menu to also deselect the **NetBIOS** option and the **Named Pipes** option. These protocols are not supported in a Common Criteria compliant environment.
 - **Note:** TCP/IP is supported in a Common Criteria compliant environment. Do *not* deselect the **TCP/IP** option.

🛱 DB2 Setup wizard - DB2 Enterprise Server Edition	×
Select the features you want to install	
Click on an icon in the list below to change how a feature is installed.	
Java Runtime Environment LDAP Exploitation XML Extender Communication protocols X APPC NetBIOS Named Pipes TCP/IP Application Development tools Base Application Development Toc Development Center	Description Named Pipes allows you to use the Named Pipes communication protocol to transfer data in a client/server environment. This feature requires 36 KB on your hard drive.
Installation directory	nuired:
Drive Asgard (C:)	Disk Space
Directory C:\Program Files\IBM\SQLLIB\	
InstallShield	
< <u>B</u> ack	Next > Cancel Help

Figure 10. DB2 Setup wizard - Select the features you want to install page; APPC, NetBIOS, and Named Pipes options deselected for installation

- f. Open the + beside the Application Development tools option.
- g. Select the **Warehouse Samples** option, and left click. Select **This feature will not be available** from the pop-up menu to deselect the **Warehouse Samples** option.

🙀 DB2 Setup wizard - DB2 Ente	erprise Server Edition	×
Select the features you	ı want to install	
Click on an icon in the list belo	ow to change how a feature is installed.	
Applic	ation Development tools Base Application Development Too Development Center Warehouse Samples Spatial Extender bymples Information Catalog Manager Sam Java Development Kit Sample Applications SQLJ Application Development Too SQLJ Samples istration tools	Description The Warehouse Samples component provides samples that can be used to integrate applications with the Data Warehouse Center. This feature requires 65 KB on your hard drive.
Installation directory		
Drive As	gard (C:) Space rec 497 MB	Disk Space
Directory C:\Progr	ram Files\IBM\SQLLIB\	
InstallShield		
	< <u>B</u> ack	Next > Cancel Help

Figure 11. DB2 Setup wizard - Select the features you want to install page; Warehouse Samples option deselected for installation

h. Select the Administration tools option, and left click. Select This feature will not be available from the pop-up menu to deselect the Administration tools option.

🛱 DB2 Setup wizard - DB2 Enterprise Server Edition 🔀
Select the features you want to install
Click on an icon in the list below to change how a feature is installed.
Client support Application Development tools Administration tools This feature will be installed on local hard drive. This feature, and all subfeatures, will be installed on local hard drive. This feature will not be available.
▼ Event Analyzer ▼ DB2 Web Tools ▼ Server support ● Business Intelligence
Installation directory
Drive Asgard (C:) Space required: Disk Space
Directory C:\Program Files\IBM\SQLLIB\
InstallShield
< <u>B</u> ack <u>N</u> ext > Cancel Help

Figure 12. DB2 Setup wizard - Select the features you want to install page; Administration tools option deselected for installation

- i. Open the + beside the **Server support** option
- j. Select the Apply option and left click. Select This feature will not be available from the pop-up menu to deselect the Apply option. Also ensure that following options under Server support are deselected for installation:
 - 1) Capture
 - 2) Connect Support
 - 3) Satellite Control Server
 - 4) Informix data source support

After the **Server support** options are deselected, open the **+** beside the **Communications protocols** option, and deselect the **NetBIOS Listener** option and the **Named Pipes Listener** option.

Note: Do not deselect the TCP/IP Listener option.

🐻 DB2 Setup wizard - DB2 Enterprise Server Edition	×
Select the features you want to install	
Click on an icon in the list below to change how a feature is installed.	Description Apply is the replication component for copying changes to target tables.
Informix data source support Informix data source support Communication protocols Informix data source support Communication protocols Informix data source support Informix data source support	This feature requires 18 MB on your hard drive.
Installation directory	
Drive Asgard (C:) Space requ	ired:Djsk Space
Directory C:\Program Files\IBM\SQLLIB\	hange,
InstallShield	
< <u>B</u> ack	Next > Cancel Help

Figure 13. DB2 Setup wizard - Select the features you want to install page; all options except TCP/IP Listener deselected for installation

k. Select the **Business Intelligence** option and left click. Select **This feature will not be available** from the pop-up menu to deselect the **Business Intelligence** option.

🛱 DB2 Setup wizard - DB2 Enterprise Server Edition 🛛 🛛 🗙
Select the features you want to install
Click on an icon in the list below to change how a feature is installed.
DB2 Enterprise Server Edition Description Getting started The Business Intelligence group contains components that provide additional functionality for performing business intelligence tasks. Client support Application Development tools Administration tools Server support Server support Business Intelligence This feature will be installed on local hard drive. n your hard drive. It has the subfeatures will not be available. This feature will not be available. drive.
Installation directory
Drive Asgard (C:) Space required: Disk Space
Directory C:\Program Files\IBM\SQLLIB\
InstallShield
< <u>B</u> ack <u>N</u> ext > Cancel Help

Figure 14. DB2 Setup wizard - Select the features you want to install page; Business Intelligence option deselected for installation

- I. Click Next. The "Select the languages to install" page opens.
- **9**. On the "Select the languages to install" page, English is the only language support that is installed by default.

DB2 Setup wizard - DB2 Enterprise Server Edition
Select the languages to install
The user interface and product messages will be installed in the languages that you choose. Installing multiple languages will increase the disk space requirements.
Available languages Selected languages
Chinese (Simplified) Chinese (Traditional) Czech Danish Finnish French (Standard) German Italian
Confirm installation folder
Drive Asgard (C:) Space required: Disk space
Directory C:\Program Files\IBM\SQLLIB\
< <u>B</u> ack Cancel Help

Figure 15. DB2 Setup wizard - Select the languages to install page; English language support selected for installation

Do one of the following:

- If you do not need to install any languages other than English, click Next. The "Specify the location of the DB2 Information Center" page opens.
- If you need to install language support other than English, select the language you want from the **Available languages** box, and click > to move it to the **Selected languages** box. Repeat this procedure for every language that you need to install. When you have selected all the languages that you require, click **Next**. The "Specify the location of the DB2 Information Center" page opens.
- 10. On the "Specify the location of the DB2 Information Center" page:
 - a. Ensure that the **On the IBM Web site** radio button is selected.

🕞 DB2 Setup wizard - DB2 Enterprise Se	rver Edition
Specify the location of the DB2	Information Center
The DB2 Information Center contains Information Center can be accessed intranet, or installed and accessed or	documentation for DB2 Universal Database and related DB2 products. The DB2 on the IBM Web site, installed and accessed on another computer on your a local computer.
To access the DB2 Information Cente after you complete this DB2 product i	r on a local computer, you must install the DB2 Information Center separately nstallation.
Select the location from which you wi	Il access the DB2 Information Center:
On the IBM Web site	
C Install the DB2 Information Ce	nter separately after this DB2 product installation
C On the following intranet serve	er
Host name	
Port number	51000
InstallShield	
	< <u>B</u> ack <u>Next</u> Cancel Help

Figure 16. DB2 Setup wizard - Specify the location of the DB2 Information Center; On the IBM Web site option selected

- b. Click **Next**. The "Set user information for the DB2 Administration Server" page opens.
- 11. On the "Set user information for the DB2 Administration Server" page:
 - a. Select the domain of the user from the Domain drop-down list.
 - b. Type the user name for the DB2 Administration Server in the **User name** field.
 - c. Type the password for the user in the Password field.
 - d. Type the password again in the **Confirm password** field.
 - e. Ensure that the Use the same user name and password for the remaining DB2 services check box is not selected.

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@DB2 5	etup wizard - DB2 Enterprise Ser	rver Edition			
Set user information for the DB2 Administration Server					
	Enter the user name and password that the DB2 Administration Server (DAS) will use to log on to your system. You can use a local user or a domain user.				
	User information				
	Domain				
	User name	db2admin			
	Password	*****			
	Confirm password	*****			
I	Use the same user name and pass	word for the remaining DB2 services			
InstallShie	ld				
		< Back Next > Cancel Help			

Figure 17. DB2 Setup wizard - Set user information for the DB2 Administration Server page

- f. Click Next. The "Set up the administration contact list" page opens.
- **12**. On the "Set up the administration contact list" page:
 - a. Select the Local Create a contact list on this system radio button.
 - b. Ensure that the **Enable notification** check box is not selected.

🐺 DB2 Setup wizard - DB2 Enterprise Server Edition
Set up the administration contact list
The Administration contact list will store contact information used to notify administrators that a database requires attention. Specify whether you want to create a local contact list or use an existing global contact list that resides on a remote DB2 server.
Administration contact list location
Local - Create a contact list on this system
C Remote - Use an existing contact list that resides on a remote DB2 server
Remote DB2 server host name
Notification SMTP server
Type the SMTP server that will send email and pager notification to your administration contact. This can also be set up after installation is complete.
Enable notification
Notification SMTP server mailhub01.torolab.ibm.com
InstallShield
< <u>B</u> ack <u>Next</u> Cancel Help

Figure 18. DB2 Setup wizard - Set up the administration contact list page

c. Click Next. Because the Enable notification check box was not selected on the "Set up the administration contact list" page, the following warning message is displayed:

🕼 Warning	×
Notification SMTP server has not been specified. Notifications cannot be sent to contacts in your contact list until this is specified. For more information see the DB2 administration documentation.	
Press OK to continue, or press Cancel to go back.	
InstallShield Cancel	

Figure 19. DB2 Setup wizard - Warning message

Click **OK**. The "Configure DB2 instances" page opens.

	13. On the "Configure DB2 instances" page, click the Startup button. The "Startup
	options" window opens.
I	On the "Startup options" window:
	a. Select the Do not autostart the instance. The instance must be started
	manually radio button.
1	

🐺 Startup options	×
Instance: DB2	
\bigcirc Autostart the instance at system startup.	
Do not autostart the instance. The instance must be started manually.	
InstallShieldOK Cancel Help	

Figure 20. Startup options window

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b. Click OK. The "Startup options" widow closes.

🕼 DB2 Setup wizard - DB2 Enterprise Server Edition	_ 🗆 X
Configure DB2 instances	
The following instances will be created during installation. You can modify the protocol and startup setting instance. Default values will be used for instance settings that are not modified.	is for each
DB2 Instances:	
DB2 Protocols	
other computers, and specify that these computers participate in the default instance. Instal/Shield < Back	Help

Figure 21. DB2 Setup wizard - Configure DB2 instances page

On the "Configure DB2 instances" page, click **Next**. The "Set user information for the DB2 instance" page opens.

I	14.	On the "Set user information for the DB2 instance" page:		
I		a. Select the domain of the user from the Domain drop-down list.		
		b. Type the user name for the DB2 Administration Server in the User name field.		
I		c. Type the password for the user in the Password field.		
I		d. Type the password again in the Confirm password field.		
 		 Ensure that the Use the same user name and password for the remaining DB2 services check box is not selected. 		
	i帚DB2 Setup wizard - DB2 Enter	prise Server Edition		
	Set user information for	the DB2 instance		
	Type the user name and pa local user or a domain user	assword that the DB2 instance, DB2, will use to log on to your system. You can use a . You can create a new user or use an existing one.		
	User information			
	Domain			
	User name	db2admin		
	Password	*****		
1	Confirm password	*****		
	Use the same user nam	e and password for the remaining DB2 services		
	InstallShield	< Back Next > Cancel Help		

Figure 22. DB2 Setup wizard - Set user information for the DB2 instance

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- f. Click **Next**. The "Prepare the DB2 tools catalog" page opens.
- **15**. On the "Prepare the DB2 tools catalog" page:
 - a. Click the **Do not prepare the DB2 tools catalog on this computer** radio button.

🛱 DB2 Setup wizard - DB2 Enterprise Server Edition	IX
Prepare the DB2 tools catalog	
Before you can use certain DB2 tools such as the Task Center and scheduler, you must create the DB2 tools catalog. The DB2 tools catalog contains task metadata. The DB2 Setup wizard can prepare a local database to store this metadata. Specify whether to prepare the DB2 tools catalog.	
C Prepare the DB2 tools catalog in a local database	
● Do not prepare the DB2 tools catalog on this computer	
InstaliShield	

Figure 23. DB2 Setup wizard - Prepare the DB2 tools catalog page

- b. Click **Next**. The "Specify a contact for health monitor notification" page opens.
- 16. On the "Specify a contact for health monitor notification" page:
 - a. Click the Defer the task until after installation is complete radio button.

🚭 DB2 Setup wizard - DB2 Enterprise Server	Edition
Specify a contact for health monito	er notification
By default, a health monitor runs on the DB2 in email or pager notification will be sent to an ac notification. If your contact list resides on a re	nstance you are setting up. When a health indicator threshold is breached, dministration contact. Specify a new or existing contact for health monitor mote DB2 server, you must provide a user name and password for logon.
Administration contact for this instance -	
C Ne <u>w</u> contact	
Name	
Email address	
	Address is for a pager
 Defer the task until after installation 	on is complete
InstallShield	
	< Back Next > Cancel Help

Figure 24. DB2 Setup wizard - Specify a contact for health monitor notification page

- b. Click **Next**. The "Enable operating system security for DB2 objects" page opens.
- 17. On the "Enable operating system security for DB2 objects" page:
 - a. Deselect the **Enable operating system security** check box.

🐺 DB2 Setup wizard - DB2 Enterprise Server Edition 🛛 🛛 🗙					
Enabl	e operating system security f	or DB2 objects			
Sp or Sp	pecify if you would like to enable operatin n your computer. If you enable this secur Jecified below.	g system security fo ity, operating systen	r DB2 files, folders, re n access to DB2 objec	agistry keys, and oth its will be limited to th	er objects e groups
Г	Enable operating system security C DB2 Administrators Group	DB2ADMN5		-	
	This group and local administrators will h	, nave complete acces:	s to all DB2 objects th	rough the operating	system.
	DB2 Users Group	DB2USERS			
	This group will have read and execute a	iccess to all DB2 obje	cts through the oper	ating system.	
InstallShield					
		< <u>B</u> ack	<u>N</u> ext >	Cancel	Help

Figure 25. DB2 Setup wizard - Enable operating system security for DB2 objects page

- b. Click Next. The "Start copying files" page opens.
- **18**. On the "Start copying files" page, click **Install** to begin installing DB2 on your computer.

DB2 Setup wizard - DB2 Enterprise Server Edition			
Start	t copying files		
	The DB2 Setup wizard has enough informat change any settings, click Back. If you are	tion to start copying the program files. If you want to review or satisfied with the settings, click Install to begin copying files.	
	Current settings:		
	Product to install: Installation type:	DB2 Enterprise Server Edition	
	Selected features: Spatial Extender Client Spatial Extender Samples Information Catalog Manager JDBC Support Java Development Kit Java Runtime Environment LDAP Exploitation MDAC 2.7 ODBC Support OLE DB Support Sample Applications Samnle Database	r Samples	
InstallShield		< Back Install Cancel Help	

Figure 26. DB2 Setup wizard - Start copying files page

| | The "Installing DB2 Enterprise Server Edition" page opens.

i DB2 Setup wizard - DB2 Enterprise Server Edition	
Installing DB2 Enterprise Server Edition	
1P	
Status:	
InstallShield	
	< Back Next > Cancel

Figure 27. DB2 Setup wizard - Installing DB2 Enterprise Server Edition page

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Note: If a window called "Digital Signature Not Found" opens, click **Yes** to continue.

When the installation completes, the "Setup is complete" page opens.



Figure 28. DB2 Setup wizard - Setup is complete page

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Click Finish to exit from the "DB2 Setup wizard".

After DB2 Enterprise Server Edition is installed, see the topic on configuring DB2 to be Common Criteria compliant in the DB2 Universal Database Common Criteria Certification: Administration and User Documentation book.

Installing DB2 Workgroup Server Edition on Windows 2000 for a Common Criteria compliant installation

This task provides detailed instructions on installing DB2 UDB Workgroup Server Edition on Windows 2000 for a Common Criteria compliant installation.

Prerequisites:

- Windows 2000 must be installed on the computer.
- Windows 2000 must be configured to disable remote access services (such as terminal server and filesystem shares) before DB2 Universal Database is installed. For information on performing this task, refer to the operating system documentation.
- The computer on which you install DB2 Universal Database must be physically protected from untrusted users.
- The domain, user name, and password for the DB2 Administration Server. If you do not have these values, obtain them from the system administrator. For more information about the DB2 Administration Server user account, see "Required user accounts for installation of DB2 servers (Windows)" on page 22.
- The "IBM DB2 Setup Launchpad" should be open.

Procedure:

To install DB2 UDB Workgroup Server Edition on Windows 2000 for a Common Criteria compliant installation.

1. On the "IBM DB2 Setup Launchpad", click Install product.



Figure 29. DB2 Setup Launchpad

- 2. On the second page of the "IBM DB2 Setup Launchpad":
 - a. In the Select the product you would like to install box, ensure that the DB2 UDB Workgroup Server Edition radio button is selected, as follows:

DB2. Universal Databa Version 8.2	se		1	×
Select the product ye	ou would like to insta	II		
OB2 UDB Workgroup	Server Edition			
DB2 Universal Databa Database intended for	se Workgroup Server E small to medium sized b	dition is a multiuser ver usinesses.	rsion of DB2 (Jniversal
	Back	Next >	He	Ip
	(С) Copyright International Buillei All Right: Reserved.	I Machine I Corporation, 1993, 2004.		

Figure 30. IBM DB2 Setup Launchpad

b. Click Next. In a moment, the "DB2 Setup wizard" opens, as follows:



Figure 31. DB2 Setup wizard

- 3. Click Next. The "License Agreement" page opens.
- 4. On the "License Agreement" page:
 - a. Select the I accept the terms in the license agreement radio button:

🗑 DB2 Setup wizard - DB2 Workgroup Server Edition		
License Agreement		
Please read the following license agreement carefully.		
NOTICE: By clicking on the "Accept" button, you are accepting two separate license agreements as a matter of convenience - one for evaluating the program and one that applies only if you acquire the program after your evaluation is completed. The complete text of each of these two license agreements follow.		
International License Agreement for Evaluation of Programs		
Part 1 - General Terms		
BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, OR USING THE PROGRAM YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF ANOTHER PERSON OR A COMPANY OR OTHER LEGAL ENTITY, YOU REPRESENT AND WARRANT THAT YOU HAVE FULL AUTHORITY TO BIND THAT PERSON, COMPANY, OR LEGAL ENTITY TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS,		
- DO NOT DOWNLOAD, INSTALL, COPY, ACCESS, OR USE THE PROGRAM; AND		
- PROMPTLY RETURN THE PROGRAM TO THE PARTY FROM WHOM YOU ACQUIRED IT. IF YOU		
 I accept the terms in the license agreement I do not accept the terms in the license agreement 		
InstallShield		
Print < Back Next > Cancel		

Figure 32. DB2 Setup wizard - Licence Agreement page

- b. Click Next. The "Select the installation type" page opens.
- 5. On the "Select the installation type" page:
 - a. Select the **Custom** radio button:

🕞 DB2 Setup wizard - I	DB2 Workgroup Server Edition	×	
Select the insta	allation type		
C <u>I</u> ypical: DB2 will be To add fur	Approximately 400 - 600 MB e installed with most features and functionality, using a typical configuration with default va nctionality, select the desired functions from the following list.	lues.	
	Additional functions		
C <u>C</u> ompact: Basic DB2	Approximately 270 - 410 MB features and functionality will be installed, and minimal configuration will be performed.		
Custom: Approximately 270 - 700 MB Select the features that you want installed, and specify configuration options for DB2. This option requires knowledge of DB2 features and settings.			
InstallShield	< <u>B</u> ack <u>N</u> ext > Cancel	Help	

Figure 33. DB2 Setup wizard - Select the installation type page

- b. Click Next. The "Select the installation action" page opens.
- 6. On the "Select the installation action" page:
 - a. Select the Install DB2 Workgroup Server Edition on this computer check box.

г DB2 Setup wizard - DB2 Workgroup Server Edition	_ 🗆 🗙
Select the installation action	
The DB2 Setup Wizard can install DB2 Workgroup Server Edition on your computer and create a response file for use in a response file installation. You can use a response file to install on this computer or on other computers at a later time.	
✓ Install DB2 Workgroup Server Edition on this computer ✓ Save your settings in a response file	
InstallShield	Help

Figure 34. DB2 Setup wizard - Select the installation action page

- b. Click Next. The "Select the features you want to install" page opens.
- 7. On the "Select the features you want to install" page:
 - a. Open the + beside the Application Development tools option.
 - b. Select the **Warehouse Samples** option and left click. Select **This feature will not be available** from the pop-up menu to deselect the **Warehouse Samples** option.

🐺 DB2 Setup wizard - DB2 Workgroup Server Edition	×
Select the features you want to install	
Click on an icon in the list below to change how a feature is installed.	
Client support Application Development tools Base Application Development Toc Development Center Warehouse Samples Spatial Extender Samples Spatial Extender Samples Thformation Catalog Manager Sam Java Development Kit Sample Applications SQLJ Application Development Toc SQLJ Samples	Description information Catalog Samples are used with the information Catalog Center Tutorial. This feature requires 118 MB on your hard drive.
Drive Asgard (C:) Space requir	red:
Directory C:\Program Files\IBM\SQLLIB\	Change
InstaliShield	Next > Cancel Help

Figure 35. DB2 Setup wizard - Select the features you want to install page; Warehouse Samples option deselected for installation

- c. Open the + beside the **Client support** option.
- d. Under the **Client support** option, open the **+** beside the **Communication protocols** option.
- e. Select the **APPC** option, and left click. Select **This feature will not be available** from the pop-up menu. Performing this action prevents the **APPC** option from being installed. Repeat this step for the **NetBIOS** and **Named Pipes** options.
 - **Note:** TCP/IP is supported in a Common Criteria compliant environment. Do *not* deselect the **TCP/IP** option.

🐺 DB2 Setup wizard - DB2 Workgroup Server Edition	×
Select the features you want to install	
Click on an icon in the list below to change how a feature is installed.	
Base Client Support System Bind Files System Bind Files Satellite Synchronization Spatial Extender Client Java Runtime Environment LDAP Exploitation XML Extender XML Extender	you to use the Named Pipes ocol to transfer data in a nment.
Communication protocols APPC This feature require: NetBIOS Named Pipes This feature will be installed on local bard drive	s 36 KB on your hard drive.
Installation directory	ocal hard drive.
Drive Asc X This feature will not be available.	
Directory C:\Program Files\IBM\SQLLIB\	
InstallShield	Cancel Help

Figure 36. DB2 Setup wizard - Select the features you want to install page; APPC, NetBIOS, and Named Pipes options deselected for installation

f. Open the + beside **Getting started** option.

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g. Select the **First Steps** option, and left click. Select **This feature will not be available** from the pop-up menu. Performing this action prevents the **First Steps** option from being installed.

₿DB2 Setup wizard - DB2 Workgroup Server Edition Select the features you want to install	
Click on an icon in the list below to change how a feature is installe	ed.
Application Development tools Client support Getting started Sample Database Warehouse Sample Database Source XML Extender Samples	First Steps is a graphical tool that will help familiarize you with DB2 features and functions.
Administration tools Administration tools Server support Business Intelligence	This feature requires 50 MB on your hard drive.
Installation directory	
Drive Disk (C:) Space 520	mB
Directory C:\Program Files\IBM\SQLLIB\	Change,
InstallShield	

Figure 37. DB2 Setup wizard - Select the features you want to install page; First Steps option deselected for installation

h. Select the Administration tools option and left click. Select This feature will not be available from the pop-up menu. Performing this action prevents the options under Administration tools from being installed.

🗑 DB2 Setup wizard - DB2 Workgroup Server Edition 🛛 🛛 🗡
Select the features you want to install
Click on an icon in the list below to change how a feature is installed.
Application Development tools Getting started Administration tools This feature will be installed on local hard drive. This feature, and all subfeatures, will be installed on local hard drive.
This feature will not be available. This feature will not be available. require 123 MB on your hard drive. In your hard drive.
- Installation directory
Drive Asgard (C:) Space required: Disk Space
Directory C:\Program Files\IBM\SQLLIB\
InstallShield
< <u>B</u> ack <u>N</u> ext > Cancel Help

Figure 38. DB2 Setup wizard - Select the features you want to install page; Administration tools option deselected for installation

- i. Open the + beside the **Server support** option.
- j. Select the **Apply** option and left click. Select **This feature will not be available** from the pop-up menu to deselect the **Apply** option. Also ensure that following options under **Server support** are deselected for installation:
 - 1) Capture
 - 2) Connect Support
 - 3) Informix data source support

After the **Server support** options are deselected, open the **+** beside the **Communications protocols** option, and deselect the **NetBIOS Listener** option and the **Named Pipes Listener** option.

Note: Do not deselect the TCP/IP Listener option.

🐺 DB2 Setup wizard - DB2 Workgroup Server Edition	×
Select the features you want to install	
Click on an icon in the list below to change how a feature is installed.	
Application Development tools Getting started Administration tools Server support Apply Capture Connect Support Informix data source support Communication protocols X V NetBIOS Listener TCP/IP Listener	Description — The Named Pipes Listener component provides Named Pipes listening functionality required for client/server communication This feature requires 69 KB on your hard drive.
_Installation directory	
Drive Asgard (C:) Space requ	uired: Disk Space
Directory C:\Program Files\IBM\SQLLIB\	⊆hange
InstallShield	
< <u>B</u> ack	Next > Cancel Help

Figure 39. DB2 Setup wizard - Select the features you want to install page; Apply, Capture, Connect Support, Informix data source support, NetBIOS Listener, and Named Pipes Listener options deselected for installation

k. Select the Business Intelligence option and left click. Select This feature will not be available from the pop-up menu to deselect the Business Intelligence option.

🐻 DB2 Setup wizard - DB2 Workgroup Server Edition 🛛 🛛 🗙
Select the features you want to install
Click on an icon in the list below to change how a feature is installed.
DB2 Workgroup Server Edition Description Client support Application Development tools Getting started Administration tools Server support Server support This feature will be installed on local hard drive. n your hard drive. It has This feature will not be available. n your hard drive.
Installation directory
Drive Asgard (C:) Space required: 462 MB Disk Space
Directory C:\Program Files\IBM\SQLLIB\
InstallShield
< <u>B</u> ack <u>N</u> ext > Cancel Help

Figure 40. DB2 Setup wizard - Select the features you want to install page; Business Intelligence option deselected for installation

- I. Click Next. The "Select the languages to install" page opens.
- **8**. On the "Select the languages to install" page, English is the only language support that is installed by default.

🐻 DB2 Setup wizard - DB2 Workgroup Server Editio	n			_ 🗆 🗙
Select the languages to install				
The user interface and product messages will be ins will increase the disk space requirements.	talled in the languages th	nat you choose.	Installing multiple lan	guages
Available languages		Selected langu	lages	
Chinese (Simplified) Chinese (Traditional) Czech Danish Finnish French (Standard) German Italian	>	English		
Confirm installation folder				
Drive Asgard (C:)	Space required: 361 MB		Disk space	
Directory C:\Program Files\IBM\SQLLIB\			<u>C</u> hange	
InstallShield	< Back	d >	Cancel	Help
	< Back Nex	d >	Cancel	Help

Figure 41. DB2 Setup wizard - Select the languages to install page; English language support selected for installation

Do one of the following:

- If you do not need to install any languages other than English, click Next. The "Specify the location of the DB2 Information Center" page opens.
- If you need to install language support other than English, select the language you want from the **Available languages** box, and click > to move it to the **Selected languages** box. Repeat this procedure for every language that you need to install. When you have selected all the languages that you require, click **Next**. The "Specify the location of the DB2 Information Center" page opens.
- 9. On the "Specify the location of the DB2 Information Center" page:
 - a. Ensure that the **On the IBM Web site** radio button is selected.

🕞 DB2 Setup wizard - DB2 Workgroup Set	rver Edition	
Specify the location of the DB2 I	Information Center	
The DB2 Information Center contains of Information Center can be accessed of intranet, or installed and accessed on	documentation for DB2 Universal Database and related DB2 products. The DB2 n the IBM Web site, installed and accessed on another computer on your a local computer.	
To access the DB2 Information Center on a local computer, you must install the DB2 Information Center separately after you complete this DB2 product installation.		
Select the location from which you will	access the DB2 Information Center:	
• On the IBM Web site		
O Install the DB2 Information Cen	ter separately after this DB2 product installation	
O On the following intranet server		
Host name		
Port number	51000	
InstallShield	< Back Next > Cancel Help	

Figure 42. DB2 Setup wizard - Specify the location of the DB2 Information Center; On the IBM Web site option selected

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- b. Click **Next**. The "Set user information for the DB2 Administration Server" page opens.
- 10. On the "Set user information for the DB2 Administration Server" page:
 - a. Select the domain of the user from the Domain drop-down list.
 - b. Type the user name for the DB2 Administration Server in the **User name** field.
 - c. Type the password for the user in the Password field.
 - d. Type the password again thin the Confirm password field.
 - e. Ensure that the Use the same user name and password for the remaining DB2 services check box is not selected.

i DB2 Setup wizard - DB2 Workgroup Serv	er Edition			_ 🗆 🗙
Set user information for the DB2 Administration Server				
Enter the user name and password that the DB2 Administration Server (DAS) will use to log on to your system. You can use a local user or a domain user.				
- User information				_
Domain			-	
User name	db2admin		_	
Password	****		_	
Confirm password	*****		_	
🔲 Use the same user name and passwo	rd for the remaining D	B2 services		
InstallShield				
	< <u>B</u> ack	<u>N</u> ext >	Cancel	Help

Figure 43. DB2 Setup wizard - Set user information for the DB2 Administration Server page

- f. Click Next. The "Set up the administration contact list" page opens.
- 11. On the "Set up the administration contact list" page:
 - a. Select the Local Create a contact list on this system radio button.
 - b. Ensure that the **Enable notification** check box is not selected.

提 DB2 Setup wizard - DB2 Workgroup Server Edition
Set up the administration contact list
The Administration contact list will store contact information used to notify administrators that a database requires attention. Specify whether you want to create a local contact list or use an existing global contact list that resides on a remote DB2 server.
Administration contact list location
• Local - Create a contact list on this system
© <u>R</u> emote - Use an existing contact list that resides on a remote DB2 server
Remote DB2 server host name
Notification SMTP server Type the SMTP server that will send email and pager notification to your administration contact. This can also be set up after installation is complete.
Enable notification
Notification SMTP server mailhub01.torolab.ibm.com
InstallShield
< <u>B</u> ack Cancel Help

Figure 44. DB2 Setup wizard - Set up the administration contact list page

c. Click Next. Because the Enable notification check box was not selected on the "Set up the administration contact list" page, the following warning message is displayed:

f 🖟 Warning	×
Notification SMTP server has not been specified. Notifications cannot be sent to contacts in your contact list until this is specified. For more information see the DB2 administration documentation.	
R	
Press OK to continue, or press Cancel to go back.	
InstallShieldOK Cancel	

Figure 45. DB2 Setup wizard - Warning message

Click OK. The "Configure DB2 instances" page opens.

	12. On the "Configure DB2 instances" page, click the Startup button. The "Startup
	options" window opens.
I	On the "Startup options" window:
	a. Select the Do not autostart the instance. The instance must be started
	manually radio button.
1	

侵 Startup options	×
Instance: DB2	
O Autostart the instance at system startup.	
Do not autostart the instance. The instance must be started manually.	
InstallShield OK Cancel He	ip

Figure 46. Startup options window

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b. Click **OK**. The "Startup options" widow closes.

i 🖥 DB2 Setu	up wizard - DB2 Workgroup Server Edition	X
Confi	igure DB2 instances	
Ti in	The following instances will be created during installation. You can modify the protocol and startup settings for each nstance. Default values will be used for instance settings that are not modified.	
	DB2 Instances:	
	DB2 Protocols Startup	
	Instance description The default instance, DB2, stores application data.	
l InstallShield -	< <u>B</u> ack Cancel Help	

Figure 47. DB2 Setup wizard - Configure DB2 instances page

On the "Configure DB2 instances" page, click **Next**. The "Set user information for the DB2 instance" page opens.

13.	On the "Set user information for the DB2 instance" page:
	a. Select the domain of the user from the Domain drop-down list.
	b. Type the user name for the DB2 Administration Server in the User name field.
	c. Type the password for the user in the Password field.
	d. Type the password again in the Confirm password field.
	 e. Ensure that the Use the same user name and password for the remaining DB2 services check box is not selected.
侵DB2 Setup wizard - DB2 Work	group Server Edition
local user or a domain use	. You can create a new user or use an existing one.
Oser Information	
Domain	
User name	db2admin
Password	****
Confirm password	*****
Use the same user nam	e and password for the remaining DB2 services
InstallShield	
	< <u>B</u> ack <u>N</u> ext > Cancel Help

Figure 48. DB2 Setup wizard - Set user information for the DB2 instance

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f. Click Next. The "Prepare the DB2 tools catalog" page opens.

- 14. On the "Prepare the DB2 tools catalog" page:
 - a. Click the **Do not prepare the DB2 tools catalog on this computer** radio button.

г DB2 Setup wizard - DB2 Workgroup Server Edition	_ 🗆 🗙
Prepare the DB2 tools catalog	
Before you can use certain DB2 tools such as the Task Center and scheduler, you must create the DB2 tools catalog. The DB2 tools catalog contains task metadata. The DB2 Setup wizard can prepare a local database to store this metadata. Specify whether to prepare the DB2 tools catalog.	
 Prepare the DB2 tools catalog in a local database Do not prepare the DB2 tools catalog on this computer 	
InstallShield	
< <u>B</u> ack Cancel Help	

Figure 49. DB2 Setup wizard - Prepare the DB2 tools catalog page

- b. Click **Next**. The "Specify a contact for health monitor notification" page opens.
- 15. On the "Specify a contact for health monitor notification" page:
 - a. Click the **Defer the task until after installation is complete** radio button.

🕞 DB2 Setup wizard - DB2 Workgroup Se	rver Edition			_ 🗆 ×
Specify a contact for health mor	nitor notification			
By default, a health monitor runs on the D email or pager notification will be sent to a notification. If your contact list resides on	DB2 instance you are setting an administration contact. Sp a remote DB2 server, you r	up. When a health becify a new or exist nust provide a user	indicator threshold ing contact for heal name and password	is breached, th monitor I for logon.
Administration contact for this instar	nce			
C Ne <u>w</u> contact				
Name				
Email address				
Defer the task until after insta	Address is for a allation is complete	pager		
				J
InstallShield				1
	< <u>B</u> ack	<u>N</u> ext >	Cancel	Help

Figure 50. DB2 Setup wizard - Specify a contact for health monitor notification page

- b. Click **Next**. The "Enable operating system security for DB2 objects" page opens.
- 16. On the "Enable operating system security for DB2 objects" page:
 - a. Deselect the **Enable operating system security** check box.

🐻 DB2 Setup wizard - DB2 Workgroup Server Edition 🛛 🔍			
Enable operating system security for DB2 objects			
Specify if you would like to enable operating system security for DB2 files, folders, registry keys, and other objects on your computer. If you enable this security, operating system access to DB2 objects will be limited to the groups specified below.			
Enable operating system security			
DB2 Administrators Group	DB2ADMNS		
This group and local administrators will have complete access to all DB2 objects through the operating system.			
DB2 Users Group	DB2USERS		
This group will have read and execute	access to all DB2 objects through the operating system.		
InstallShield			
	< Back Next > Cancel Help		

Figure 51. DB2 Setup wizard - Enable operating system security for DB2 objects page

- b. Click Next. The "Start copying files" page opens.
- 17. On the "Start copying files" page, click **Install** to begin installing DB2 on your computer.

谩 DB2 Setup wizard - DB2 Workgroup Serv Start copying files	rer Edition		
The DB2 Setup wizard has enough info change any settings, click Back. If you	ormation to start copying the program files. If I are satisfied with the settings, click Install to	you want to review begin copying files.	or
Current settings:			
Product to install: Installation type: Selected features: Information Catalog Mana JDBC Support Java Development Kit Java Runtime Environme LDAP Exploitation MDAC 2.7 ODBC Support OLE DB Support Sample Applications Sample Database Warehouse Sample Data SOLI Sunnort	DB2 Workgroup Server Editio Custom ager Samples nt base Source	π	
InstallShield	< Back Install	Cancel	Help

Figure 52. DB2 Setup wizard - Start copying files page

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The "Installing DB2 Workgroup Server Edition" page opens.

륺 DB2 Setup wizard - DB2 Workgroup Server Edition	
Installing DB2 Workgroup Server Edition	
1 .	
Status:	
InstallShield	
	< Back Next > Cancel

Figure 53. DB2 Setup wizard - Installing DB2 Workgroup Server Edition page

 	Note: If a window called "Digital Signature Not Found" opens, click Yes to continue.
1	When the installation completes, the "Setup is complete" page opens.



Figure 54. DB2 Setup wizard - Setup is complete page

Click Finish to exit from the "DB2 Setup wizard".

After DB2 Workgroup Server Edition is installed, see the topic on configuring DB2 to be Common Criteria compliant in the DB2 Universal Database Common Criteria Certification: Administration and User Documentation book.

Single-partition database environment (UNIX)

Installing DB2 servers in a single-partition environment (UNIX)

This task describes how to start the DB2 Setup wizard on UNIX systems. The DB2 Setup wizard is used to define your installation preferences and install DB2 to your system.

Prerequisites:

Before you start the DB2 Setup wizard:

- Ensure that your system meets installation, memory, and disk requirements.
- Review the installation considerations for IBM Developer Kit for Java 1.3.1.
- You require root authority to perform the installation.
- The DB2 product CD-ROM must be mounted on your system.
- The DB2 Setup wizard is a graphical installer. You must have Xwindow software capable of rendering a graphical user interface for the DB2 Setup wizard to run
on your machine. Ensure that you have properly exported your display. For example, export DISPLAY=9.26.163.144:0.

- If NIS/NIS+ or similar security software is used in your environment, you must manually create required DB2 users before you start the DB2 Setup wizard. Refer to the referenced NIS topic before you begin.
- On Solaris, the files required to uninstall a FixPak or modification level using the backoutallpatch script, are stored in the /var/sadm directory. Disk space requirements for each FixPak or modification level in the /var/sadm directory can reach almost the same amount of disk space required by DB2 in the /opt/IBM/db2/V8.1 directory.
- For Solaris Operating Environment and AIX 5L, you need to have a filesystem with 2 GB of free space to contain the tar.Z file and the uncompressed installation image, in addition to the software disk requirements.
- On AIX and Linux, ensure that Asynchronous I/O (AIO) has been enabled. It must be enabled before DB2 UDB can be successfully installed. AIO can be enabled and disabled at run time by issuing the db2set command. To use AIO on Linux, you must install libaio-0.3.96 or later, have a kernel that supports AIO (for example, version 2.6), run the db2set DB2N0LIOAIO=false command, and restart DB2.

Procedure:

To start the DB2 Setup wizard:

- 1. Log on to the system as a user with root authority.
- 2. Refer to the CD-ROM label to ensure that you are using the CD-ROM with your appropriate language.
- **3**. Change to the directory where the CD-ROM is mounted by entering the following command:

cd /cdrom

where */cdrom* represents mount point of the CD-ROM.

4. See the appropriate section for your operating system:

For AIX 4.3.3, HP-UX and Linux

Enter the ./db2setup command to start the DB2 Setup wizard.

For Solaris Operating Environment

- a. Copy *product*.tar.Z, where *product* represents the product you are licensed to install, to a temporary filesystem.
- b. Enter the following command to start the DB2 Setup wizard: zcat product.tar.Z | tar -xf - ; ./product/db2setup

For example, if the product name for DB2 Enterprise Server Edition is *ese*, then enter the following command:

zcat ese.tar.Z | tar -xf - ; ./ese/db2setup

For AIX 5L

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- **a**. Copy *product*.tar.gz, where *product* represents the product you are licensed to install, to a temporary filesystem.
- b. Enter the following command to start the DB2 Setup wizard: -gzip -d < product.tar.gz | tar -xf - ; ./product/db2setup</pre>

For example, if the product name for DB2 Enterprise Server Edition is *ese*, then enter the following command:

-gzip -d < ese.tar.gz | tar -xf - ; ./ese/db2setup

5. After a moment, the IBM DB2 Setup Launchpad opens.



From this window, you can view installation prerequisites and the release notes, or you can proceed directly to the installation. You may want to review the installation prerequisites and release notes for late-breaking information.

Once you have initiated the installation, proceed through the DB2 Setup wizard installation panels and make your selections. Installation help is available to guide you through the remaining steps. To invoke the installation help, click **Help** or press F1. You can click **Cancel** at any time to end the installation. When you have completed your installation, DB2 will be installed in the one of the following directories:

AIX /usr/opt/db2_08_01

HP-UX, Linux, Solaris Operating Environment /opt/IBM/db2/V8.1

The installation logs db2setup.his, db2setup.log, and db2setup.err are located, by default, in the /tmp directory. You can specify the location of the log files.

The db2setup.log file captures all DB2 installation information including errors. The db2setup.his records all DB2 installations on your machine. DB2 appends the db2setup.log file to the db2setup.his file. The db2setup.err file captures any error output that is returned by Java (for example, exceptions and trap information).

If you want your DB2 product to have access to DB2 documentation either on your local computer or on another computer on your network, then you must install the DB2 Information Center. The DB2 Information Center contains documentation for DB2 Universal Database and DB2 related products. See Installing the DB2 Information Center using the DB2 Setup wizard (UNIX)

Related concepts:

• "DB2 Information Center" in the Infrastructure Topics (DB2 Common Files)

- "Installing the IBM Developer Kit for Java (UNIX)" on page 35
- "DB2 Information Center installation scenarios" in the *Infrastructure Topics* (DB2 *Common Files*)

Related tasks:

- "Installing the DB2 Information Center using the DB2 Setup wizard (UNIX)" in the *Infrastructure Topics (DB2 Common Files)*
- "Tools catalog database and DAS scheduler setup and configuration" in the *Administration Guide: Implementation*
- "Notification and contact list setup and configuration" in the *Administration Guide: Implementation*

Related reference:

• "UPDATE ADMIN CONFIGURATION Command" in the Command Reference

If you are installing DB2 Universal Database on a UNIX-based platform for a Common Criteria compliant environment, see the following:

- For installing DB2 UDB Enterprise Server Edition:
 - On Linux SuSE, see "Installing DB2 UDB Enterprise Server Edition on Linux SuSE for a Common Criteria compliant installation."
 - On AIX 5.2, see "Installing DB2 UDB Enterprise Server Edition on AIX 5.2 for a Common Criteria compliant installation" on page 125.
 - On Solaris Operating Environment 8, see "Installing DB2 UDB Enterprise Server Edition on Solaris Operating Environment 8 for a Common Criteria compliant installation" on page 150.
- For installing DB2 UDB Workgroup Server Edition:
 - On Linux SuSE, see "Installing DB2 UDB Workgroup Server Edition on Linux SuSE for a Common Criteria compliant installation" on page 176.
 - On AIX 5.2, see "Installing DB2 UDB Workgroup Server Edition on AIX 5.2 for a Common Criteria compliant installation" on page 201.
 - On Solaris Operating Environment 8, see "Installing DB2 UDB Workgroup Server Edition on Solaris Operating Environment 8 for a Common Criteria compliant installation" on page 225.

Installing DB2 UDB Enterprise Server Edition on Linux SuSE for a Common Criteria compliant installation

This task provides detailed instructions on installing DB2 UDB Enterprise Server Edition on Linux SuSE for a Common Criteria compliant installation.

Prerequisites:

- The computer on which you install DB2 Universal Database must be physically protected from untrusted users.
- Linux SuSE must be installed on the computer.
- You must have the installation CD mounted.
- The user names to be used for the following:
 - The DB2 instance owner
 - The DB2 Administration Server
 - The fenced user

If you do not have these user names, obtain them from your system administrator. For more information about these users, see "DB2 users and

group (UNIX)" on page 14. For information about creating these users, see "Creating group and user IDs for a DB2 UDB installation (UNIX)" on page 38.

Procedure:

Use the following steps to install DB2 UDB Enterprise Server Edition on Linux SuSe for a Common Criteria compliant environment.

1. On the "IBM DB2 Setup Launchpad", click Install Products.

IBM DB2 Setup Launchpad	
DB2. Universal Database	
Version 8.2	
Setup	
Installation Prerequisites	
<u>R</u> elease Notes	Welcome to DB2
Install <u>P</u> roducts	Select a choice on the side menu bar.
<u>E</u> xit	
	(C) Copyright International Business Machines Corporation, 1993, 2004. All Rights Reserved.

Figure 55. IBM DB2 Setup Launchpad

- 2. On the second page of the "IBM DB2 Setup Launchpad":
 - a. In the Select the product you would like to install box, select DB2 UDB Enterprise Server Edition, as follows:

IBM DB2 Setup Launchpad		_ 🗆 🗙
DB2. Universal Database		
Version 8.2		IBM.
Setup		
Select the product you would lik	ke to install	
DB2 UDB Enterprise Server Edition		
ODB2 Application Development Client		
ODB2 Administration Client		$\overline{\nabla}$
DB2 UDB Enterprise Server Edition is an e use of the Database Partitioning Feature (supports database partitioning. It also pro client components are also included.	nterprise version of DB2 Universal Database. Thro (a seperately licensable feature that you can purch ovides connectivity to data stored on host system	ugh the ase), it s. DB2
	< <u>₿</u> ack <u>N</u> ext ►	Help
	(C) Copyright International Business Machines Corporation, 1993, 2004. All Rights Reserved.	

Figure 56. IBM DB2 Setup Launchpad with DB2 UDB Enterprise Server Edition selected

b. Click Next. In a moment, the "DB2 Setup wizard" opens, as follows:



Figure 57. DB2 Setup wizard

- c. Click Next. The "Software License Agreement" page opens.
- **3**. On the "Software License Agreement" page:
 - a. Click the Accept radio button.



Figure 58. DB2 Setup wizard - Software License Agreement page

b. Click Next. The "Select the installation type" page opens.

- 4. On the "Select the installation type" page:
 - a. Select the **Custom** radio button:

🗙 DB2 Setup wizard - D	82 UDB Enterprise Server Edition	_ 🗆	×
<u>1</u> . Introduction	Select the installation type		
2. Software License			
3. Installation type	<u> </u>	iew Features	
<u>4</u> . Installation action	DDD will be installed with most features and functionality with		
5. Features	configuration with default values. To add functionality, using	i a typical he desired	
<u>6</u> . Languages	functions from the following list.		
7. Documentation			
8. DAS User	Additional functions		
<u>9</u> . Instance setup	Data warehousing		
1 <u>0</u> . Instance use		(⊚(⊚)	
11. Instance-owning			
12. Fenced user	Compact: 460 - 560 MBV	'jew Features	
13. Instance TCP/IP			,
14. Instance proper	Basic DB2 features and functionality will be installed, and minim configuration will be performed	nal 📃	
LD. Tools catalog	conngulation will be performed		
17. Contact list	Custom 450 830 MB		
12. Contact			
Lo. Junnary	Select the features that you want installed, and specify configura for DB2. This option requires knowledge of DB2 features and s	ration options settings.	
	<u>▲</u> Back	Next Einish Cancel Hel	p

Figure 59. DB2 Setup wizard - Select the installation type page

- b. Click Next. The "Select the installation action" page opens.
- 5. On the "Select the installation action" page:
 - a. Select the **Install DB2 UDB Enterprise Server Edition on this computer** check box.



Figure 60. DB2 Setup wizard - Select the installation action page

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b. Click Next. The "Select the features to install" page opens.

- 6. On the Select the features to install page:
 - a. Open the + beside **Server support**, then select the check box beside **DB2 Data Source Support** (so that the check mark is removed). This action prevents the **DB2 Data Source Support** option from being installed.

Chapter 6. Installation tasks

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Figure 61. DB2 Setup wizard - Select the features to install page; DB2 Data Source Support option deselected for installation

 Den the + beside Client support, then select the check box beside DB2 LDAP Support. This action prevents the DB2 LDAP Support option from being installed.

🔀 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition		-OX
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Select the features to install Select the features you want to install. DB2 UDB Enterprise Server Edition Client support Client support Base Client Support (required) DB2 LDAP Support Java Support (required) Spatial Extender Client XML Extender Administration tools Select default Select all	Description LDAP Exploitation allows DB2 to use an LDAP directory to store database directory and configuration information.	
	Installation directory The installation directory cannot be changed. Directory /opt/IBM/db2/V8.1	Space required: 511 MB Space available: 10253 MB	
		▲Back Next Finish	Cancel Help

Figure 62. DB2 Setup wizard - Select the features to install page; DB2 LDAP Support option deselected for installation

c. Open the + beside Administration tools, then deselect all the checked options to remove them from the list of options being installed. Note that you must deselect the **Configuration Assistant** option last.

XDB2 Setup wizard - D	B2 UDB Enterprise Server Edition		
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance -owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Select the features you want to install. Select the features you want to install. DB2 UDB Enterprise Server Edition Client support Administration tools Configuration Assistant Control Center DB2 Instance Setup Wizard DB2 Web Tools Application Development tools Business Intelligence Select default Select all	Description The DB2 Web Tools component allows you to run the Command Center and Health Center as web server applications providing DB2 server access through a web browser.	
	Installation directory The installation directory cannot be changed. Directory /opt/IBM/db2/V8.1	Space required: 462 MB Space available: 10253 MB	
		▲Back Next Finish	Cancel Help

Figure 63. DB2 Setup wizard - Select the features to install page; all Administration tools options deselected for installation

d. Open the + beside **Application Development Tools**, then select the **Base Application Development Tools** option so that this option gets installed.

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DB2 Setup wizard	- DB2 UDB Enterprise Server Edition		
DB2 Setup wizard 1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages	DB2 UDB Enterprise Server Edition Select the features to install Select the features you want to install. DB2 UDB Enterprise Server Edition Server support	Description The Base Application Development Tools component contains tools	
 Z. Documentation B. DAS User D. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary 	Client support Administration tools Application Development tools ADT Sample Programs Base Application Development Tools Development Center Spatial Extender Samples Business Intelligence Select default Select all	and files (including header files, libraries, and a precompiler) that are needed for developing applications that work with DB2.	
	Installation directory The installation directory cannot be changed. Directory /opt/IBM/db2/V8.1	Space required: 338 MB Space available: 1908 MB	
		▲ <u>B</u> ack <u>N</u> ext ►	Sh Cancel Help

Figure 64. DB2 Setup wizard - Select the features to install page; Base Application Development Tools option selected for installation

e. Open the + beside **Getting started**, then deselect the **First Steps** option so that this option does not get installed.

XDB2 Setup wizard - D	DB2 UDB Enterprise Server Edition	
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Select the features to install Select the features you want to install.	amples are ns you can out XML blogy.
	Installation directory The installation directory cannot be changed. Directory /opt/IBM/db2/V8.1 Space required: Space available:	462 MB 10253 MB
	<u> </u>	ext Einish Cancel Help

Figure 65. DB2 Setup wizard - Select the features to install page; First Steps option deselected for installation

f. Click Next. The "Languages" page opens.

7. On the "Languages" page, English is the only language support that is installed by default.



Figure 66. DB2 Setup wizard - Languages page; English language support selected for installation

Do one of the following:

- If you do not need to install any languages other than English, click Next. The "Specify the location of the DB2 Information Center" page opens.
- If you need to install language support other than English, select the language you want from the **Available languages** box, and click > to move it to the **Selected languages** box. Repeat this procedure for every language that you need to install. When you have selected all the languages that you require, click **Next**. The "Specify the location of the DB2 Information Center" page opens.
- 8. On the "Specify the location of the DB2 Information Center" page:
 - a. Ensure that the **On the IBM Web site** radio button is selected.

XDB2 Setup wizard - D	B2 UDB Enterprise Server Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Specify the location of the DB2 Information Center The DB2 Information Center contains documentation for DB2 Universal Database and related DB2 products. The DB2 Information Center can be accessed on the IBM Web site, installed and accessed on another computer on your intranet, or installed and accessed on a local computer. To access the DB2 Information Center on a local computer, you must install the DB2 Information Center separately after you complete this DB2 product installation. Select the location from which you will access the DB2 Information Center: On the IBM Web site OInstall the DB2 Information Center separately after this DB2 product installation On the following intranet gerver Host name Port number \$1000
	▲Back Next Finish Cancel Help

Figure 67. DB2 Setup wizard - Specify the location of the DB2 Information Center; On the IBM Web site option selected

- b. Click **Next**. The "Set user information for the DB2 Administration Server" page opens.
- 9. On the "Set user information for the DB2 Administration Server" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

🔀 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action	Set user information for the DB2 Administration Server The DB2 Administration Server (DAS) runs on your computer to provide support required by the DB2 tools. A user account with a minimal set of privileges is required to run the DAS. Specify the required user information for the DAS.
<u>5</u> . Features	⊖Ne <u>w</u> user
6. Languages 7. Documentation	User name
<u>9</u> . Instance setup 1 <u>0</u> . Instance use	Group name
 Instance-owning Fenced user 	
 Instance TCP/IP Instance proper Tools catalog 	Confirm password
16. Contact list 17. Contact 18. Summary	Home directory
	User name
	For users of NIS or similar management systems
	If the user information in your environment is managed remotely by NIS or a similar system, you must specify an existing user.
	▲Back Next ► Einish Cancel Help

Figure 68. DB2 Setup wizard - Set user information for the DB2 Administration Server page

c. Click Next. The "Set up a DB2 instance" page opens.

- 10. On the "Set up a DB2 instance" page:
 - a. Select the Create a DB2 instance radio button.

XDB2 Setup wizard - DE	B2 UDB Enterprise Server Edition	
Introduction Software License Installation type Installation action Features Languages Toocumentation DAS User Instance setup Io. Instance use I. Instance-owning I. Fenced user I. Instance TCP/IP I. Instance proper Software TCP/IP I. Instance proper I. Contact list I. Contact I. Summary	Set up a DB2 instance A DB2 Instance is an environment where you can store data and run applications. Select Create a DB2 instance to have the DB2 Setup wizard create an instance for you. You can create a DB2 instance later by running the DB2 Setup wizard again. If you are adding a databa partition server to a partitioned database environment, do not create an instance on this computer. The instance should be created on the computer where you installed the instance-owning database partition server. © Create a DB2 instance © Do not create a DB2 instance > Do not create a DB2 instance You can defer the task of creating a DB2 instance until after installation is complete. If you are adding a database partition server to a partitioned database environment, you should not create an instance on this computer.	ase 2 1
	▲Back Next Enrish Cancel	Help

Figure 69. DB2 Setup wizard - Set up a DB2 instance page; Create a DB2 instance selected

b. Click Next. The "Select how the instance will be used" page opens.

- 11. On the "Select how the instance will be used" page:
 - a. Select the Single-partition instance radio button.



Figure 70. DB2 Setup wizard - Select how the instance will be used page; Single-partition instance selected

- b. Click **Next**. The "Set user information for the DB2 instance owner" page opens.
- 12. On the "Set user information for the DB2 instance owner" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

XDB2 Setup wizard - D	B2 UDB Enterprise Server Edition		
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features	Set user information for Specify the instance-owning user infor instance functions, and will store insta instance will be the same as the user i	r the DB2 instance owner mation for the DB2 instance. DB2 will nce information in the user's home dire name. You can create a new user or u	er use this user to perform ectory. The name of the se an existing one.
<u>6</u> . Languages <u>7</u> . Documentation	User name		
<u>9</u> . Instance setup 1 <u>0</u> . Instance use	Group name	<u>∎</u> Use defaul	t UID
11. Instance-owning 12. Fenced user 13. Instance TCP/IP	CID Password	Se defaul	
14. Instance proper 15. Tools catalog	Confirm password		
16. Contact 17. Contact 18. Summary	© Existing user		
	User name	gement systems	
	If the user information in your en a similar system, you must speci	ivironment is managed remotely by NIS ify an existing user.	5 or
			Einish Cancel Help

Figure 71. DB2 Setup wizard - Set user information for the DB2 instance owner page

c. Click Next. The "Set user information for the fenced user" page opens.

- 13. On the "Set user information for the fenced user" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

🔀 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition		
1. Introduction	Set user information fo	r the fenced user	
2. Software License	Enter the required user information for	or the fenced user. Fenced user defined	functions (UDFs) and stored
<u>3</u> . Installation type	use the same user account for the fer	nced user as you used for the instance-or	wning user.
4. Installation action			
5. Features	⊖Ne <u>w</u> user		
<u>6</u> . Languages	User name		
7. Documentation	LIID		
<u>o</u> . DAS User	910	<u>⊾</u> se default	UD
10 Instance use	Group name		
11. Instance-owning	GID		
12. Fenced user		M Die Gelauit	<u>di</u> D
13. Instance TCP/IP	Password		
14. Instance proper	Confirm password		
15. Tools catalog	Harme directory		
16. Contact list	Home directory	***	
17. Contact	Existing user		
18. Summary			U
	User name		
	-User administration		
	Local users and groups will be	created if perfectory	
	Local users and groups will be	created in necessary.	
		▲ <u>B</u> ack Next ►	Finish Cancel Help

Figure 72. DB2 Setup wizard - Set user information for the fenced user page

- c. Click Next. The "Configure DB2 instance TCP/IP communication" page opens.
- 14. On the "Configure DB2 instance TCP/IP communication" page:
 - a. Select the **Configure** radio button.

XDB2 Setup wizard - D	B2 UDB Enterprise Ser	ver Edition	
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Configure D In order for clients TCP/IP communicat TCP/IP communicat The TCP/IP protoc On ont configure Configure Service name Port number	B2 instance TCP/IP communication to access data stored in the DB2 instance, you must configure th ion. You can accept the defaults or enter your own settings. Yo ion protocol on your clients. col has been detected on your computer. e at this time db2c_db2inst1 50001 Restore Default Values	e DB2 instance for u must also configure the
		<u> </u>	ish Cancel Help

Figure 73. DB2 Setup wizard - Configure DB2 instance TCP/IP communication page

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b. Click Next. The "Set instance properties" page opens.

- 15. On the "Set instance properties" page:
 - a. Deselect the Autostart the instance at system startup check box.

DB2 Setup wizard	- DB2 UDB Enterprise Server Edition 🧕 🗌 🗙
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Set instance properties Default values have been entered for the instance authentication type and startup. You can accept the defaults or specify your own values. Authentication type Select an instance authentication type. The authentication type you select will apply to all databases owned by the instance. Authentication type can be changed after installation by editing the database manager configuration. Authentication type Server Specifies that authentication occurs on the server using the local operating system security. System security.
	▲ <u>Back</u> <u>Next</u> Finisin Cancel Help

Figure 74. DB2 Setup wizard - Set instance properties page

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- b. Click Next. The "Prepare the DB2 tools catalog" page opens.
- 16. On the "Prepare the DB2 tools catalog" page:
 - a. Select the **Do not prepare the DB2 tools catalog on this computer** radio button.

XDB2 Setup wizard - D	B2 UDB Enterprise Server Edition	
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Prepare the DB2 tools catalog Before you can use certain DB2 tools such as the Task Center and scheduler, you must create the DB2 tool catalog. The DB2 tools catalog contains task metadata. The DB2 setup wizard can prepare a local database to store this metadata. Specify whether to prepare the DB2 tools catalog. OUse a local database Do not prepare the DB2 tools catalog on this computer $\begin{array}{c} \hline \hline$	nis
	▲Back Next → Einish Cancel H	lelp

Figure 75. DB2 Setup wizard - Prepare the DB2 tools catalog page

b. Click **Next**. The "Set up the administration contact list" page opens.

- 17. On the "Set up the administration contact list" page:
 - a. Select the Local Create a contact list on this system radio button.
 - b. Ensure that the **Enable notification** check box is deselected.

🔀 DB2 Setup wizard - D	DB2 UDB Enterprise Server Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Set up the administration contact list The administration contact list will store contact information used to notify administrators that a database requires attention. Specify whether you want to create a local contact list or use an existing global contact list that resides on a remote DB2 server. Administration contact list location Local - Create a contact list on this system Bernote - Use an existing contact list that resides on a remote DB2 server Remote DB2 server host name Notification SMTP server Type the SMTP server that will send email and pager notifications to your administration contact. This can also be set up after installation is complete. Enable notification Notification SMTP server Notification SMTP server

Figure 76. DB2 Setup wizard - Set up the administration contact list page

c. Click Next. Because the Enable notification check box was not selected on the "Set up the administration contact list" page, the following warning message is displayed:



Figure 77. DB2 Setup wizard - Warning message

Click **OK**. The "Specify a contact for health monitor notification" page opens.

- 18. On the "Specify a contact for health monitor notification" page:
 - a. Select the Defer this task until after installation is complete radio button.

XDB2 Setup wizard - DI	82 UDB Enterprise Serve	r Edition	_ 🗆 ×
1. Introduction	Specify a con	tact for health monitor notification	
2. Software License	By default, a health m	onitor runs on the DB2 instance you are setting up. When a	health indicator threshold
3. Installation type	contact for health mo	pager notification will be sent to an administration contact. nitor notification. If your contact list resides on a remote DE	32 server, vou must provide
4. Installation action	a user name and pas	sword for logon.	
5. Features	-Administration conta	ct for this instance	
<u>6</u> . Languages			
<u>7</u> . Documentation	⊖Ne <u>w</u> contact		
<u>8</u> . DAS User	Name	db2inst1	
<u>9</u> . Instance setup	Email address	alle Die et 4. Gene andere d	
1 <u>0</u> . Instance use	Email address	db2inst1@mordred	
11. Instance-owning		Address is for a pager	A -
12. Fenced user			
13. Instance TCP/IP	ODefer this task	until after installation is complete	
14. Instance proper		· · · · · · · · · · · · · · · · · · ·	
16. Contact list			
17. Contact			
18 Summary			
10. Summary			
		< <u>∎ack</u> <u>N</u> ext ►	Einish Cancel Help

Figure 78. DB2 Setup wizard - Set up the administration contact list page

- b. Click Next. The "Start copying files" page opens.
- **19**. On the "Start copying files" page, click **Finish** to begin installing DB2 UDB Enterprise Server Edition on your computer.



Figure 79. DB2 Setup wizard - Start copying files page

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The "Installing DB2 UDB Enterprise Server Edition" page opens.

Installing DB2 UDB Enterprise Server Edition	. 🗆	X
Please wait while the DB2 Setup wizard installs DB2 UDB Enterprise Server Edition on your computer and perform required configuration. This may take several minutes.	s the	
Task: Installing Base Client Support		-
0%	100%	
Overall progress:		1
0%	100%	

Figure 80. DB2 Setup wizard - Installing DB2 UDB Enterprise Server Edition page

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When the installation completes, the "Setup is complete" page opens.

🔍 Setup Complete 🥘 📃 🗙
Setup is complete
The DB2 Setup wizard has finished copying files and configuring your system. DB2 installation has completed successfully. The log files db2setup.log and db2setup.err are located in the /tmp directory.
Post-install steps Status report
It is recommended that you perform the following after installation, if you have not already done so.
Verify that you have access to the DB2 Information Center based on the choices you made during this installation. If you performed a typical or a compact installation, verify that you can access the IBM Web site using the internet. If you performed a custom installation, verify that you can access the DB2 Information Center location specified during the installation.
Prepare the DB2 tools catalog if you would like to schedule tasks with the task scheduler on this computer.
Specify the SMTP server to be used by the DB2 Administration Server to send notifications to administration contacts. For more information see the documentation on notification and contact list setup and configuration.
Specify an administration contact for health monitor notification.
Click Finish to exit the DB2 Setup wizard.
<u> </u>

Figure 81. DB2 Setup wizard - Setup is complete page

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Click Finish to exit from the "DB2 Setup wizard".

After DB2 Enterprise Server Edition is installed, see the topic on configuring DB2 to be Common Criteria compliant in the DB2 Universal Database Common Criteria Certification: Administration and User Documentation book.

Installing DB2 UDB Enterprise Server Edition on AIX 5.2 for a Common Criteria compliant installation

This task provides detailed instructions on installing DB2 UDB Enterprise Server Edition on AIX 5.2 for a Common Criteria compliant installation.

Prerequisites:

- The computer on which you install DB2 Universal Database must be physically protected from untrusted users.
- AIX 5.2 must be installed on the computer.
- You must have the installation CD mounted.
- The user names to be used for the following:
 - The DB2 instance owner
 - The DB2 Administration Server
 - The fenced user

If you do not have these user names, obtain them from your system administrator. For more information about these users, see "DB2 users and group (UNIX)" on page 14. For information about creating these users, see "Creating group and user IDs for a DB2 UDB installation (UNIX)" on page 38.

Procedure:

Use the following steps to install DB2 UDB Enterprise Server Edition on AIX 5.2 for a Common Criteria compliant environment.

1. On the "IBM DB2 Setup Launchpad", click Install Products.

IBM DB2 Setup Launchpad DB2. Universal Database Version 8.2		.□×
Setup		
Installation Prerequisites		
<u>R</u> elease Notes	Welcome to DB2	
Install <u>P</u> roducts	Select a choice on the side menu bar.	
<u>E</u> xit		
	(C) Copyright International Business Machines Corporation, 1993, 2004. All Rights Reserved.	

Figure 82. IBM DB2 Setup Launchpad

- 2. On the second page of the "IBM DB2 Setup Launchpad":
 - a. In the Select the product you would like to install box, select DB2 UDB Enterprise Server Edition, as follows:

XIBM DB2 Setup Launchpad		_ 🗆 ×
DB2. Universal Database		
Version 8.2		TRM.
Setup		
Select the product you would lik	e to install	
DB2 UDB Enterprise Server Edition		
ODB2 Application Development Client		
ODB2 Administration Client		
DB2 UDB Enterprise Server Edition is an e use of the Database Partitioning Feature (supports database partitioning. It also pro client components are also included.	nterprise version of DB2 Universal Database. Throu (a seperately licensable feature that you can purchas ovides connectivity to data stored on host systems.	gh the se), it DB2
	< <u>B</u> ack <u>N</u> ext ►	Help
	(C) Copyright International Business Machines Corporation, 1993, 2004. All Rights Reserved.	

Figure 83. IBM DB2 Setup Launchpad with DB2 UDB Enterprise Server Edition selected

b. Click Next. In a moment, the "DB2 Setup wizard" opens, as follows:



Figure 84. DB2 Setup wizard

- c. Click Next. The "Software License Agreement" page opens.
- **3**. On the "Software License Agreement" page:
 - a. Click the Accept radio button.



Figure 85. DB2 Setup wizard - Software License Agreement page

b. Click Next. The "Select the installation type" page opens.

- 4. On the "Select the installation type" page:
 - a. Select the **Custom** radio button:

🗙 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition		
1. Introduction	Select the installation type		
2. Software License	OT HIGH FOO JOON		
3. Installation type	<u>ypical.</u> 520 - 770 MB	<u>v</u> iew Features	
4. Installation action	DP2 will be installed with most features a	nd functionality, using a typical	
 Features 	configuration with default values. To add	functionality, select the desired	
<u>o</u> . Languages	functions from the following list.	<i>"</i>	
Z. Documentation			
8. DAS User	Additional functions		
<u>9</u> . Instance setup	<u>D</u> ata warehousing		
1 <u>0</u> . Instance use			
11. Instance-owning			
12. Fenced user			
13. Instance TCP/IP	OCompact: 460 - 560 MB	View Festures	
14. Instance proper		· jew reduies	
15. Tools catalog	Basic DB2 features and functionality will b	e installed, and minimal	
17. Contact list	configuration will be performed	ŕ	
18 Summany			
20. Summary	🔿 Custom: 460 – 980 MB		
			·
	Select the features that you want installed	, and specify configuration options	
	for DB2. This option requires knowledge	of DB2 features and settings.	
		▲Back Next Ein	ish Cancel Help

Figure 86. DB2 Setup wizard - Select the installation type page

- b. Click Next. The "Select the installation action" page opens.
- 5. On the "Select the installation action" page:
 - a. Select the **Install DB2 UDB Enterprise Server Edition on this computer** check box.



Figure 87. DB2 Setup wizard - Select the installation action page

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b. Click Next. The "Select the features to install" page opens.

- 6. On the "Select the features to install" page:
 - a. Open the + beside **Server support**, then select the check box beside **DB2 Data Source Support** (so that the check mark is removed). This action prevents the **DB2 Data Source Support** option from being installed.

Chapter 6. Installation tasks

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Figure 88. DB2 Setup wizard - Select the features to install page; DB2 Data Source Support option deselected for installation

 b. Open the + beside Client support, then select the check box beside DB2 LDAP Support (so that the check mark is removed). This action prevents the DB2 LDAP Support option from being installed.
🔀 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition		- 🗆 🗵
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance -owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Select the features to install Select the features you want to install. DB2 UDB Enterprise Server Edition Client support Base Client Support (required) DB2 LDAP Support Java Support (required) Spatial Extender Client XML Extender Administration tools	Description LDAP Exploitation allows DB2 to use an LDAP directory to store database directory and configuration information.	
	Select <u>d</u> efault Select <u>a</u> ll		
	The installation directory cannot be changed		
	Directory /usr/opt/db2_08_01	Space required: 513 MB Space available: 423 MB	
		▲Back Next Finish Cancel	Help

Figure 89. DB2 Setup wizard - Select the features to install page; DB2 LDAP Support option deselected for installation

c. Open the + beside **Administration tools**, then deselect all the checked options to remove them from the list of options being installed. Note that you must deselect the **Configuration Assistant** option last.

🗙 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition		
Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Select the features to install Select the features you want to install. DB2 UDB Enterprise Server Edition Control support Administration tools Configuration Assistant Control Center DB2 Instance Setup Wizard DB2 Web Tools Application Development tools Select default Select all	Description The DB2 Web Tools component allows you to run the Command Center and Health Center as web server applications providing DB2 server access through a web browser.	
	Installation directory The installation directory cannot be changed. Directory /usr/opt/db2_08_01	Space required: 452 MB Space available: 423 MB	
		▲ <u>Back</u> <u>N</u> ext <u>Fini</u>	sh Cancel Help

Figure 90. DB2 Setup wizard - Select the features to install page; all Administration tools options deselected for installation

d. Open the **+** beside **Application Development Tools**, then select the **Base Application Development Tools** option so that this option gets installed.

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Figure 91. DB2 Setup wizard - Select the features to install page; Base Application Development Tools option selected for installation

e. Open the + beside **Getting started**, then deselect the **First Steps** option so that this option does not get installed.

🗙 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition		
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Select the features to install Select the features you want to install. Select the features you want to install. Select support Administration tools Application Development tools Business Intelligence Getting started First Steps Sample Database Source (required) Warehouse Sample Database Source XML Extender Samples Select default Select all	Description XML Extender Samples are sample programs you can use to learn about XML Extender technology.	
	Installation directory The installation directory cannot be changed. Directory /usr/opt/db2_08_01	Space required: 515 MB Space available: 423 MB	
		▲Back Next Einish	Cancel Help

Figure 92. DB2 Setup wizard - Select the features to install page; First Steps option deselected for installation

f. Click Next. The "Languages" page opens.

7. On the "Languages" page, English is the only language support that is installed by default.

🗙 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition
DB2 Setup wizard - D DB2 Setup wizard - D Software License Installation type Installation action S. Features Languages Z. Documentation B DAS User J. Instance setup 10. Instance setup 10. Instance use 11. Instance - owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact 15t 17. Contact 18. Summary	22 UDB Enterprise Server Edition
	▲Back Next Finish Cancel Help

Figure 93. DB2 Setup wizard - Languages page; English language support selected for installation

Do one of the following:

- If you do not need to install any languages other than English, click Next. The "Specify the location of the DB2 Information Center" page opens.
- If you need to install language support other than English, select the language you want from the **Available languages** box, and click > to move it to the **Selected languages** box. Repeat this procedure for every language that you need to install. When you have selected all the languages that you require, click **Next**. The "Specify the location of the DB2 Information Center" page opens.
- 8. On the "Specify the location of the DB2 Information Center" page:
 - a. Ensure that the **On the IBM Web site** radio button is selected.

XDB2 Setup wizard - D	B2 UDB Enterprise Server Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Tools catalog 16. Contact list 17. Contact 18. Summary	Specify the location of the DB2 Information Center The DB2 Information Center contains documentation for DB2 Universal Database and related DB2 products. The DB2 Information Center can be accessed on the IBM Web site, installed and accessed on another computer on your intranet, or installed and accessed on a local computer. To access the DB2 Information Center on a local computer, you must install the DB2 Information Center separately after you complete this DB2 product installation. Select the location from which you will access the DB2 Information Center: On the IBM Web site On the IBM Web site On the following intranet gerver Host name Port number \$1000
	▲Back Next Finish Cancel Help

Figure 94. DB2 Setup wizard - Specify the location of the DB2 Information Center; On the IBM Web site option selected

- b. Click **Next**. The "Set user information for the DB2 Administration Server" page opens.
- 9. On the "Set user information for the DB2 Administration Server" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

🗙 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition
<u>1</u> . Introduction	Set user information for the DB2 Administration Server
2. Software License	The DB2 Administration Server (DAS) runs on your computer to provide support required by the DB2 tools.
3. Installation type	information for the DAS.
4. Installation action	
5. Features	ONe <u>w</u> user
<u>o</u> . Lanyuages	User name
8. DAS Liser	
9. Instance setup	
1 <u>0</u> . Instance use	Group name
11. Instance-owning	GID GID GID GID GID GID
12. Fenced user	875.
13. Instance TCP/IP	
14. Instance proper	Confirm password
16. Contact list	Home directory
17. Contact	
18. Summary	© Existing user
	User name
	For users of NIS or similar management systems
	If the user information in your environment is managed remotely by NIS or
	a similar system, you must specify an existing user.
	▲Back Mext ► Einish Cancel Help

Figure 95. DB2 Setup wizard - Set user information for the DB2 Administration Server page

c. Click Next. The "Set up a DB2 instance" page opens.

- 10. On the "Set up a DB2 instance" page:
 - a. Select the Create a DB2 instance 64 bit radio button.

XDB2 Setup wizard - DB2	2 UDB Enterprise Server Edition	- 🗆 ×
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Contact list 16. Contact 17. Summary	Set up a DB2 instance A DB2 instance is an environment where you can store data and run applications. Select Create a DB2 istance to have the DB2 Setup wizard create an instance for you. You can create a DB2 instance later by running the DB2 Setup wizard again. If you are adding a datab partition server to a partitioned database environment, do not create an instance on this computer. This instance should be created on the computer where you installed the instance-owning database partitio server. Create a DB2 instance - 32 bit Create a DB2 instance - 64 bit Do not create a DB2 instance You can defer the task of creating a DB2 instance until after installation is complete. If you are adding a database partition server to a partitioned database environment, you should not create an instance on this computer.	ase e n
	▲ <u>Back</u> <u>Next</u> <u>Finish</u> Cancel	Help

Figure 96. DB2 Setup wizard - Set up a DB2 instance page; Create a DB2 instance - 64 bit selected

b. Click Next. The following warning is displayed:

XWarning	×
	You have chosen to create a 64-bit instance. Before you can use any DB2 functionality that depends on Java technology in this instance, you must also install a 64-bit JDK or JRE. The IBM Developer Kit for 64-bit Enabled Platforms CD contains a 64-bit JDK and a 64-bit JRE. Note: Since a 64-bit JVM could not be detected on your system, you will not be able to prepare the DB2 tools catalog which is required by tools such as Task Center and scheduler. Press OK to continue, or press Cancel to go back.
	OK Cancel

Figure 97. Warning message box

- c. Click **OK**. The "Select how the instance will be used" page opens.
- 11. On the "Select how the instance will be used" page:

a. Ensure that the **Single-partition instance** radio button is selected.



Figure 98. DB2 Setup wizard - Select how the instance will be used page; Single-partition instance selected

- b. Click **Next**. The "Set user information for the DB2 instance owner" page opens.
- 12. On the "Set user information for the DB2 instance owner" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

XDB2 Setup wizard - D	DB2 UDB Enterprise Server Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features	Set user information for the DB2 instance owner Specify the instance-owning user information for the DB2 instance. DB2 will use this user to perform instance functions, and will store instance information in the user's home directory. The name of the instance will be the same as the user name. You can create a new user or use an existing one. New user
<u>6</u> . Languages <u>7</u> . Documentation <u>8</u> . DAS User	
9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user	Group name GD
 Instance TCP/IP Instance proper Contact list Contact 	Password Confirm password Home directory
17. Summary	© Existing user User name
	For users of NIS or similar management systems If the user information in your environment is managed remotely by NIS or a similar system, you must specify an existing user.
1	▲Back Mext ► Finish Cancel Help

Figure 99. DB2 Setup wizard - Set user information for the DB2 instance owner page

c. Click Next. The "Set user information for the fenced user" page opens.

- 13. On the "Set user information for the fenced user" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

🔀 DB2 Setup wizard - D	32 UDB Enterprise Server Edition
<u>1</u> . Introduction	Set user information for the fenced user
2. Software License	Enter the required user information for the fenced user. Fenced user defined functions (UDFs) and stored procedures will execute under this user and group. For security reasons it is recommended that you do not
3. Installation type	use the same user account for the fenced user as you used for the instance-owning user.
4. Installation action	Obleuuusee
5. realures	<u>Unew</u> user
7. Documentation	User name
8. DAS User	UID UID
9. Instance setup	
1 <u>0</u> . Instance use	Group name
11. Instance-owning	GID 🗾 Use default GID
12. Fenced user	Paceward
13. Instance TCP/IP	en e
15. Contact list	Confirm password
16. Contact	Home clirectory
17. Summary	
	○ Existing user
	User name
	User administration
	Local users and groups will be created if necessary.
	▲ Back Mext ▶ Einish Cancel Help

Figure 100. DB2 Setup wizard - Set user information for the fenced user page

- c. Click Next. The "Configure DB2 instance TCP/IP communication" page opens.
- 14. On the "Configure DB2 instance TCP/IP communication" page:
 - a. Select the **Configure** radio button.

🗙 DB2 Setup wizard - D	B2 UDB Enterprise Ser	ver Edition	
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Contact list 16. Contact 17. Summary	Configure D In order for clients TCP/IP communicat TCP/IP communicat The TCP/IP protoc O Do not configur O Configure Service name Port number	B2 instance TCP/IP communication to access data stored in the DB2 instance, you must configure ion. You can accept the defaults or enter your own settings. ion protocol on your clients. tol has been detected on your computer. e at this time db2c_db2inst1 50000 <u>Restore Default Values</u>	e the DB2 instance for You must also configure the
		<u>▲B</u> ack <u>N</u> ext ▶	Einish Cancel Help

Figure 101. DB2 Setup wizard - Configure DB2 instance TCP/IP communication page

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b. Click Next. The "Set instance properties" page opens.

15. On the "Set instance properties" page:

a. Deselect the Autostart the instance at system startup check box.

🗙 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition
Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance TCP/IP 14. Instance proper 15. Contact list 16. Contact 17. Summary	Set instance properties Default values have been entered for the instance authentication type and startup. You can accept the defaults or specify your own values. Authentication type Select an instance authentication type. The authentication type you select will apply to all databases owned by the instance. Authentication type can be changed after installation by editing the database manager configuration. Authentication type Server Specifies that authentication occurs on the server using the local operating system security. Image: Security is a security in the instance at system startup

Figure 102. DB2 Setup wizard - Set instance properties page

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- b. Click Next. The "Set up the administration contact list" page opens.16. On the "Set up the administration contact list" page:
 - a. Select the Local Create a contact list on this system radio button.
 - b. Ensure that the **Enable notification** check box is deselected.

🔀 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition	
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance use 11. Instance-owning 12. Fenced user 13. Instance TCP/IP 14. Instance proper 15. Contact list 16. Contact 17. Summary	Set up the administration contact list The administration contact list will store contact information used to notify administrators that a database requires attention. Specify whether you want to create a local contact list or use an existing global consist that resides on a remote DB2 server. Administration contact list location Local - Create a contact list on this system <u>Remote - Use an existing contact list that resides on a remote DB2 server</u> Remote DB2 server host name Notification SMTP server Type the SMTP server that will send email and pager notifications to your administration contact. This can also be set up after installation is complete. Lenable notification Notification SMTP server	
	▲ <u>B</u> ack <u>N</u> ext <u>Finish</u> Cancel	Help

Figure 103. DB2 Setup wizard - Set up the administration contact list page

c. Click Next. Because the Enable notification check box was not selected on the "Set up the administration contact list" page, the following warning message is displayed:



Figure 104. DB2 Setup wizard - Warning message

Click **OK**. The "Specify a contact for health monitor notification" page opens.

- 17. On the "Specify a contact for health monitor notification" page:
 - a. Select the Defer this task until after installation is complete radio button.

XDB2 Setup wizard - D	82 UDB Enterprise Serve	r Edition	
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages	Specify a con By default, a health m is breached, email or contact for health mo a user name and pas	tact for health monitor notificati onitor runs on the DB2 instance you are setting up. 1 pager notification will be sent to an administration c nitor notification. If your contact list resides on a ren sword for logon.	ON When a health indicator threshold ontact. Specify a new or existing note DB2 server, you must provide
7. Documentation	Ne <u>w</u> contact		
8. DAS User	Name	db2inst1	
10. Instance use	Email address	db2inst1@moose	
11. Instance-owning 12. Fenced user		Address is for a pager	
13. Instance TCP/IP 14. Instance proper 15. Contact list	O <u>D</u> efer this task	until after installation is complete	
16. Contact 17. Summary			
		<u>▲B</u> ack	Einish Cancel Help

Figure 105. DB2 Setup wizard - Set up the administration contact list page

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- b. Click Next. The "Start copying files" page opens.
- **18**. On the "Start copying files" page, click **Finish** to begin installing DB2 UDB Enterprise Server Edition on your computer.



Figure 106. DB2 Setup wizard - Start copying files page

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The "Installing DB2 UDB Enterprise Server Edition" page opens.

XInstalling DB2 UDB Enterprise Server Edition	
Please wait while the DB2 Setup wizard installs DB2 UDB Enterprise Server Edition on your computer and performs required configuration. This may take several minutes.	the
Task: Installing Base Client Support	
0%	100%
Overall progress:	
0%	100%

Figure 107. DB2 Setup wizard - Installing DB2 UDB Enterprise Server Edition page

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When the installation completes, the "Setup is complete" page opens.

∑Setup Complete[IJ×
Setup is complete	
The DB2 Setup wizard has finished copying files and configuring your system. DB2 installation has completed successfully. The log files db2setup.log and db2setup.err are located in the /tmp directory.	
Post-install steps Status report	
It is recommended that you perform the following after installation, if you have not already done so.	
Verify that you have access to the DB2 Information Center based on the choices you made during this installation. If you performed a typical or a compact installation, verify that you can access the IBM Web site using the internet. If you performed a custom installation, verify that you can access the DB2 Information Center location specified during the installation.	
Specify the SMTP server to be used by the DB2 Administration Server to send notifications to administration contacts. For more information see the documentation on notification and contact list setup and configuration.	
Specify an administration contact for health monitor notification.	
To use any DB2 functionality that depends on Java technology in a 64-bit instance, you must also install a 64-bit JDK or JRE. The IBM Developer Kit for 64-bit Enabled Platforms CD contains a 64-bit JDK and a 64-bit JRE.	
Click Finish to exit the DB2 Setup wizard.	
<u> </u>	sh

Figure 108. DB2 Setup wizard - Setup is complete page

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Click Finish to exit from the "DB2 Setup wizard".

After DB2 Enterprise Server Edition is installed, see the topic on configuring DB2 to be Common Criteria compliant in the DB2 Universal Database Common Criteria Certification: Administration and User Documentation book.

Installing DB2 UDB Enterprise Server Edition on Solaris Operating Environment 8 for a Common Criteria compliant installation

This task provides detailed instructions on installing DB2 UDB Enterprise Server Edition on the Solaris Operating Environment 8 for a Common Criteria compliant installation.

Prerequisites:

- The computer on which you install DB2 Universal Database must be physically protected from untrusted users.
- Solaris Operating Environment 8 must be installed on the computer.
- You must have the installation CD mounted.
- The user names to be used for the following:
 - The DB2 instance owner
 - The DB2 Administration Server
 - The fenced user

If you do not have these user names, obtain them from your system administrator. For more information about these users, see "DB2 users and

group (UNIX)" on page 14. For information about creating these users, see "Creating group and user IDs for a DB2 UDB installation (UNIX)" on page 38.

Procedure:

Use the following steps to install DB2 UDB Enterprise Server Edition on Solaris Operating Environment 8 for a Common Criteria compliant environment.1. On the "IBM DB2 Setup Launchpad", click Install Products.

XIBM DB2 Setup Launchpad		_ 🗆 X
DB2. Universal Databas		IIM.
Installation Prerequisites		
<u>R</u> elease Notes	Welcome to DB2	
Install <u>P</u> roducts	Select a choice on the side menu bar.	
Exit		
	(C) Capyright international. Bu dne oc Nachine o Corporation, 1988, 2004. All Rights Received.	

Figure 109. IBM DB2 Setup Launchpad

- 2. On the second page of the "IBM DB2 Setup Launchpad":
 - a. In the Select the product you would like to install box, select DB2 UDB Enterprise Server Edition, as follows:

XIBM DB2 Setup Launchpad
DB2. Universal Database
Version 8.2
Setup
Select the product you would like to install
DB2 UDB Enterprise Server Edition
OB2 Application Development Client
DB2 Administration Client
DB2 UDB Enterprise Server Edition is an enterprise version of DB2 Universal Database. Through the use of the Database Partitioning Feature (a seperately licensable feature that you can purchase), it supports database partitioning. It also provides connectivity to data stored on host systems. DB2 client components are also included.
(C) Capyrightiniernational Burdners Machiners Carporation, 1988, 2004. All Rights Recerved.

Figure 110. IBM DB2 Setup Launchpad with DB2 UDB Enterprise Server Edition selected

b. Click Next. In a few moments, the "DB2 Setup wizard" opens, as follows:



Figure 111. DB2 Setup wizard

- c. Click Next. The "Software License Agreement" page opens.
- **3**. On the "Software License Agreement" page:
 - a. Click the Accept radio button.

X DB2 Setup wizard - DB2 UDB Enterprise Server Edition	
I. Introduction Software License Agreement	
2. Software License Please read the accompanying license agreement carefully before using the Program. By selecting "Accept" below or using the	Program, you agree to
accept the terms of this agreement. If you select "Decline", installation will not be completed and you will not be able to use the	e Program.
3. Installation type	
4. Installation action NUTICE: By clocking on the "Accept" button, you are accepting two separate license agreements as a	
2. DAS User Inducte of convenience - one for evaluating the program and one must applies only in you available to be the set to be convenience - one for evaluating the program after values of each of these two license and events	
D. Instance setup follow.	
Z. Instance use	
8. Instance-owning user	
0. Fenced User International License Agreement for Evaluation of Programs	
10, Tools catalog Part 1 - General Terms	\sim
11. Context list	$(\circ (\circ))$
12. Contact	$2 \rightarrow 1$
TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF	
ANOTHER PERSON OR A COMPANY OR OTHER LEGAL ENTITY, YOU REPRESENT AND WARRANT	
THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS.	
	0
- DO NOT DOWNLOAD, INSTALL, COPY, ACCESS, OR USE THE PROGRAM; AND	Same-
PROMPTLY RETURN THE PROGRAM TO THE PARTY FROM WHOM YOU ACQUIRED IT. IF YOU	
DOWNLOADED THE PROGRAM, CONTACT THE PARTY FROM WHOM YOU ACQUIRED IT.	
C Accept	
Back Enisti	Cancel Help

Figure 112. DB2 Setup wizard - Software License Agreement page

b. Click **Next**. The "Select the installation type" page opens.

- 4. On the "Select the installation type" page:
 - a. Select the **Custom** radio button:

🗙 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition	_O×
1. Introduction	Select the installation type	
2. Software License		
<u>3</u> . Installation typ		·
4. Installation act 5. Features	DB2 will be installed with most features and functionality, using a typical configuration with default values. To add functionality, select the desired functions from the following list. Additional functions	
1 <u>0</u> . Instance use		
11. Instance-owning 12. Fenced user	Compact: 550 - 670 MB View Features	
13. Instance TCP/IP 14. Instance proper 15. Tools catalog	Basic DB2 features and functionality will be installed, and minimal configuration will be performed	
16, Contact list 17, Contact	©Custom: 550 - 1030 MB	
13. Summary	Select the features that you want installed, and specify configuration options for DB2. This option requires knowledge of DB2 features and settings.	
	<u>▲Back</u>	inish Cancel Help

Figure 113. DB2 Setup wizard - Select the installation type page

- b. Click Next. The "Select the installation action" page opens.
- 5. On the "Select the installation action" page:
 - a. Select the **Install DB2 UDB Enterprise Server Edition on this computer** check box.

XDB2 Setup wizard - D	082 UDB Enterprise Server Edition
1. Introduction	Select the installation action
2. Software License	The DB2 Setup wizard can install DB2 on your computer and create a response file for use in a response
<u>3</u> . Installation typ	file installation. You can use a response file to perform the installation at a later time with no further input or to replicate the installation on this computer to other computers.
4. Installation act	If you are setting up a TR2 Enterprise Server Edition (ESE) partitioned database environment you can
5. Features	also create a response file to install DB2 on the other computers that will act as database partition
<u>6</u> . Languages	servers.
7. Documentation	
8, DAS User	✓Install DB2 UDB Enterprise Server Edition on this computer
<u>9</u> , Instance setup	Save your settings in a response file
1 <u>0</u> . Instance use	
11. Instance-owning	
12, Fenced user	
13. Instance TCP/IP	
14. Instance proper	
15, Tools catalog	
15. Contact list	
17. Contact	
18. Summary	
	▲ Eack Next ▶ Einish Cancel Help

Figure 114. DB2 Setup wizard - Select the installation action page

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b. Click Next. The "Select the features to install" page opens.

- 6. On the "Select the features to install" page:
 - a. Open the + beside **Server support**, then select the check box beside **DB2 Data Source Support** (so that the check mark is removed). This action prevents the **DB2 Data Source Support** option from being installed.



Figure 115. DB2 Setup wizard - Select the features to install page; DB2 Data Source Support option deselected for installation

 Den the + beside Client support, then select the check box beside DB2 LDAP Support. This action prevents the DB2 LDAP Support option from being installed.



Figure 116. DB2 Setup wizard - Select the features to install page; DB2 LDAP Support option deselected for installation

c. Open the + beside Administration tools, then deselect all the checked options to remove them from the list of options being installed. Note that you must deselect the Configuration Assistant option last.



Figure 117. DB2 Setup wizard - Select the features to install page; all Administration tools options deselected for installation

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d. Open the + beside **Application Development Tools**, then select the **Base Application Development Tools** option so that this option gets installed.



Figure 118. DB2 Setup wizard - Select the features to install page; Base Application Development Tools option selected for installation

e. Open the + beside **Getting started**, then deselect the **First Steps** option so that this option does not get installed.



Figure 119. DB2 Setup wizard - Select the features to install page; First Steps option deselected for installation

f. Click Next. The "Languages" page opens.

7. On the "Languages" page, English is the only language support that is installed by default.

XDB2 Setup wizard - D	82 UDB Enterprise Server Edition	
 Introduction Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance use Instance -coming Fenced user Instance TCP/IP Instance propert Tools catalog Contact list Contact list Summary 	Languages The user interface and product messages will be installed in the languages that ye multiple languages will increase the disk space requirements. Available languages Princes (Simplified) Chinese (Traditional) French (Standard) German Italian Japanese Korean Installation directory The installation directory cannot be changed. Directory /opt/IBM/db2/V8.1 Space required: 553 MB Space available: 957 MB	ou choose. Installing
	▲Back Next ► Einit	sh Cancel Help

Figure 120. DB2 Setup wizard - Languages page; English language support selected for installation

Do one of the following:

- If you do not need to install any languages other than English, click Next. The "Specify the location of the DB2 Information Center" page opens.
- If you need to install language support other than English, select the language you want from the **Available languages** box, and click > to move it to the **Selected languages** box. Repeat this procedure for every language that you need to install. When you have selected all the languages that you require, click **Next**. The "Specify the location of the DB2 Information Center" page opens.
- 8. On the "Specify the location of the DB2 Information Center" page:
 - a. Ensure that the **On the IBM Web site** radio button is selected.

XDB2 Setup wizard - D	B2 UDB Enterprise Server Edition
 Introduction Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance use Instance -owning Fenced user Instance TCP/IP Instance propert Tools catalog Contact list Summary 	Specify the location of the IB2 Information Center The IB2 Information Center contains documentation for IB2 Universal Database and related DB2 products. The DB2 Information Center can be accessed on the IBM Web site, installed and accessed on another computer on your intranet, or installed and accessed on a local computer. To access the DB2 Information Center on a local computer, you must install the DB2 Information Center separately after you complete this DB2 product installation. Select the location from which you will access the DB2 Information Center: On the IBM Web site Information Center separately after this DB2 product installa On the following intranet gerver Host name Port number 51000
	▲Back Next ► Einish Cancel Help

Figure 121. DB2 Setup wizard - Specify the location of the DB2 Information Center; On the IBM Web site option selected

- b. Click **Next**. The "Set user information for the DB2 Administration Server" page opens.
- 9. On the "Set user information for the DB2 Administration Server" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

XDB2 Setup wizard - D	B2 UDB Enterprise Server Edition	_ 🗆 ×
1. Introduction	Set user information for the DB2 Administration Server	
2. Software License	The DB2 Administration Server (DAS) runs on your computer to provide support required by the DB2 to	ols.
<u>3</u> . Installation typ [A user account with a minimal set of privileges is required to run the DAS. Specify the required u information for the DAS	ser
4. Installation act		
5. Features	Ne <u>w</u> user	
<u>6</u> , Languages	liker name	
7. Documentation		
8. DAS User	UID 🔤 🖳 Use default UID	
<u>9</u> , Instance setup	Group name	
1 <u>0</u> . Instance use		
11. Instance-owning	Sin Refault Cill	5
12, Fended user	Password	IP
15. Instance TUP/IP	Confirm password	
15. Tools estales		
16 Contact List	Home directory	
17. Contact	C Evicting user	
18. Summary		
23, 31003 3	User name	
	For users of NIS or similar management systems	
	If the upon information in upum emularment is managed nemotaly by MIC	
	or a similar system, you must specify an existing user.	
	Back Next Finish Cancel	Help

Figure 122. DB2 Setup wizard - Set user information for the DB2 Administration Server page

c. Click Next. The "Set up a DB2 instance" page opens.

- 10. On the "Set up a DB2 instance" page:
 - a. Select the Create a DB2 instance 64 bit radio button.

XDB2 Setup wizard - D	DB2 UDB Enterprise Server Edition	
 Introduction Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance use Instance user Instance TCP/IP Instance propert Contact list Contact list Summary 	Set up a IB2 instance A IB2 instance is an environment where you can store data and run applications. Select Create a IB2 instance to have the UB2 Setup wizard create an instance for you. You can create a IB2 instance later by running the IB2 Setup wizard again. If you are adding a database partition server to a partitioned database environment, do not create an instance on this computer. The instance should be created on the computer where you installed the instance-owning database partition server. ©Create a IB2 instance - 32 bit ©Create a IB2 instance - 64 bit ©Io not create a IB2 instance You can defer the task of creating a IB2 instance until after installation is complete. If you are adding a database partition server to a partitioned database environment, you should not create an instance on this computer.	
	▲ Eack Next ► Einish Cancel	Help

Figure 123. DB2 Setup wizard - Set up a DB2 instance page; Create a DB2 instance - 64 bit selected

b. Click Next. The following warning is displayed:

χ Warning	×
۸	You have chosen to create a 64-bit instance. Before you can use any DB2 functionality that depends on Java technology in this instance, you must also install a 64-bit JDK or JRE. The IBM Developer Kit for 64-bit Enabled
	OK Cancel

Figure 124. Warning message box

c. Click OK. The "Select how the instance will be used" page opens.

- 11. On the "Select how the instance will be used" page:
 - a. Select the Single-partition instance radio button.

XDB2 Setup wizard - D	B2 UDB Enterprise Server Edition	
1. Introduction	Select how the instance will be used	
2. Software License		
<u>3</u> . Installation typ	○ Single-partition instance	
4. Installation act		
5. Features	The instance will reside only on this computer. Select this option if the instance will not be used in a partitioned database environment	
<u>6</u> , Languages		
7. Documentation	OPartitioned instance	
8. DAS User		
9. Instance setup	The instance will be used in a partitioned database environment and will reside on multiple database partition servers. This computer will best the	9 0
1 <u>0</u> . Instance use	instance-owning database partition servers. And computer will nost the	
11. Instance-owning	partitioning capability of DB2.	
12, Fenced user		
13, Instance TCP/IP		
14. Instance proper		
15, Contact list		
16, Contact		
17. Summary		
	▲Back Next ► Fi	nish Cancel Help

Figure 125. DB2 Setup wizard - Select how the instance will be used page; Single-partition instance selected

- b. Click **Next**. The "Set user information for the DB2 instance owner" page opens.
- 12. On the "Set user information for the DB2 instance owner" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

XDB2 Setup wizard - D	82 UDB Enterprise Server Edition		
1. Introduction	Set user information for the DB2 instance owner		
2. Software License	Specify the instance-owning user information for the DB2 instance. DB2 will use this user to perform		
<u>3</u> . Installation typ [instance functions, and will store instance information in the user's home directory. The name of the		
4. Installation act	Instance will be the same as the user hame. Thu can be cate a new user of use an existing the.		
5. Features	_Ne <u>w</u> user		
<u>6</u> , Languages			
7. Documentation	oser reme		
8. DAS User	UID 🔟 UB		
9. Instance setup	finan name		
1 <u>0</u> . Instance use			
11. Instance-owning	GID 🔤 Use default <u>G</u> ID		
12, Fenced user	Pescuand		
13, Instance TCP/IP			
14. Instance proper	Confirm password		
15. Contact list	Home directory		
16. Contact			
17. Summary	○ <u>E</u> xisting user		
	User name		
	For users of NIS or similar management systems		
	If the user information in your environment is managed remotely by NIS		
	or a similar system, you must specify an existing user.		
	▲Back Next ► Einish Cancel Help		

Figure 126. DB2 Setup wizard - Set user information for the DB2 instance owner page

I	c. Click Next. The "Set user information for the fenced user" page opens.
I	13. On the "Set user information for the fenced user" page:
I	a. Select the Existing user radio button.
I	b. Use the of the User name field to select the user that you want.
I	

Introduction	Set user information for the fend	ed user	
Software License Agreen	Enter the required user information for the fenced user.	Fenced user defined functions (UDFs) and stored proc	edures will execute under this user
Installation type	and group. For security reasons it is recommended that y	you do not use the same user account for the fenced o	user as you used for the instance-
Installation action	owning user.		
Features	New user		
anguages	-		
ocumentation	User name		
AS User	טוט	Use defauit UID	
stance setup			
nstance use	Group name		
nstance-owning user	GID	Use defauit GID	
enced user			
nstance TCP/IP	Paseword		- ^e
nstance properties	Confirm password		
ools catalog	Home directory		
iontact list			
Contact	C Existing user		
Bummany			
	User administration		
	Local users and groups will be created if necessar	Dr	

Figure 127. DB2 Setup wizard - Set user information for the fenced user page

|

- c. Click Next. The "Configure DB2 instance TCP/IP communication" page opens.
- 14. On the "Configure DB2 instance TCP/IP communication" page:
 - a. Select the **Configure** radio button.
| 🗙 DB2 Setup wizard - D | 82 UDB Enterprise Server Edition | |
|--|---|---|
| | | |
| Introduction Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance use Instance owning Fenced user Instance TCP/IP Instance TCP/IP Instance Tist Contact Tist Contact Tist Summary | Configure DB2 instance TCP/IP communication
In order for clients to access data stored in the DB2 instance, you must conf
TCP/IP communication. You can accept the defaults or enter your own settings
the TCP/IP communication protocol on your clients.
The TCP/IP protocol has been detected on your computer.
<pre> ② Do not configure at this time
③ Configure Service name db2c_db2inst2 Port number 50002 </pre> Restore Default Values | igure the DB2 instance for
. You must also configure |
| | ▲ Back Next ▶ | Einish Cancel Help |

Figure 128. DB2 Setup wizard - Configure DB2 instance TCP/IP communication page

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b. Click Next. The "Set instance properties" page opens.

- 15. On the "Set instance properties" page:
 - a. Deselect the Autostart the instance at system startup check box.

🗙 DB2 Setup wizard - DE	B2 UDB Enterprise Server Edition	_ 🗆 🗙
DB2 Secup wizard = De DB2 Secup wizard = De DB2 Secup wizard = De Software License Agneen Installation type Installation action S. Features Languages T. Documentation B. DAS User Instance setup Io. Instance setup Io. Instance setup Io. Instance use II. Instance owning user I2. Fenced user I3. Instance TCP/IP I4. Instance properties I5. Tools catalog I6. Contact list I7. Contact I3. Summany	Set instance properties Default values have been entered for the instance authentication type and startup. You can accept the defaults or specify your own Authentication type Select an instance authentication type. The authentication type you select will apply to all databases owned by the instance. Authentication type can be changed after installation by editing the database manager configuration. Authentication type Server Specifies that authentication occurs on the server using the local operating system security. Authentication type at system startup	values.
	<u>∎ack</u> <u>Entish</u> Car	ncel Help

Figure 129. DB2 Setup wizard - Set instance properties page

- b. Click Next. The "Set up the administration contact list" page opens.16. On the "Set up the administration contact list" page:
 - a. Select the Local Create a contact list on this system radio button.
 - b. Ensure that the **Enable notification** check box is deselected.

🔀 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition	_ 🗆 🗙
 Introduction Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance use Instance -owning Fenced user Instance TCP/IP Instance proper Contact list Contact Summary 	Set up the administration contact list The administration contact list will store contact information used to notify administrators the database requires attention. Specify whether you want to create a local contact list or use and global contact list that resides on a remote DB2 server. Administration contact list location <pre> Local - Create a contact list on this system @Lecal - Create a contact list on this system @Lecal - Create a contact list that resides on a remote DB2 server Remote - Use an existing contact list that resides on a remote DB2 server Remote DB2 server host name Notification SMTP server Type the SMTP server that will send email and pager notifications to your administration contact. This can also be set up after installation is complete. </pre>	et a existing
	▲Back Next ► Einish Cancel	Help

Figure 130. DB2 Setup wizard - Set up the administration contact list page

c. Click **Next**. Because the **Enable notification** check box was not selected on the "Set up the administration contact list" page, the following warning message is displayed:



Figure 131. DB2 Setup wizard - Warning message

Click **OK**. The "Specify a contact for health monitor notification" page opens.

- 17. On the "Specify a contact for health monitor notification" page:
 - a. Select the **Defer this task until after installation is complete** radio button.

🗙 DB2 Setup wizard - D	B2 UDB Enterprise Server Edition	- D ×
 Introduction Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance use Instance -owning Fenced user Instance TCP/IP Instance proper Contact list Contact Summary 	Specify a contact for health monitor notification By default, a health monitor runs on the DB2 instance you are setting up. When a health indicator threshold is breached, email or pager notification will be sent to an administration contact. Spec new or existing contact for health monitor notification. If your contact list resides on a remote server, you must provide a user name and password for logon. Administration contact for this instance New contact Name Email address iddness is for a pager iddness is for a pager iddness is for a pager	ify a DB2
	▲ Back Next ► Finish Cancel	Help

Figure 132. DB2 Setup wizard - Specify a contact for health monitor notification page

b. Click Next. The "Start copying files" page opens.

18. On the "Start copying files" page, click **Finish** to begin installing DB2 UDB Enterprise Server Edition on your computer.



Figure 133. DB2 Setup wizard - Start copying files page

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The "Installing DB2 UDB Enterprise Server Edition" page opens.

XInstalling DB2 UDB Enterprise Server Edition	<u>_ ×</u>
Please wait while the DB2 Setup wizard installs DB2 UDB Enterprise Server Edi your computer and performs the required configuration. This may take severa minutes.	tion on I
Task: Installing Base Client Support	
0%	100%
Overall progress:	
0%	100 %

Figure 134. DB2 Setup wizard - Installing DB2 UDB Enterprise Server Edition page

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When the installation completes, the "Setup is complete" page opens.

🗙 Setup Complete	_ 🗆 🗙
Setup is complete	
The DB2 Setup wizard has finished copying files and configuring your system. DB2 installation has completed successfully. The log files db2setup.log and db2setup.em are located in the Armp directory.	
Post-install steps Status report	
It is recommended that you perform the following after installation, if you have not already done so.	
Verify that you have access to the DB2 Information Center based on the choices you made during this installation. If you performed a ty or a compact installation, verify that you can access the IBM Web site using the internet. If you performed a custom installation, verify t you can access the DB2 Information Center location specified during the installation.	rpical hat
Prepare the DB2 tools catalog if you would like to schedule tasks with the task scheduler on this computer.	
Specify the SMTP server to be used by the DB2 Administration Server to send notifications to administration contacts. For more informat see the documentation on notification and contact list setup and configuration.	ion
Specify an administration contact for health monitor notification.	Н
Click Finish to exit the DB2 Setup wizard.	
	<u>F</u> inish

Figure 135. DB2 Setup wizard - Setup is complete page

Click Finish to exit from the "DB2 Setup wizard".

After DB2 Enterprise Server Edition is installed, see the topic on configuring DB2 to be Common Criteria compliant in the DB2 Universal Database Common Criteria Certification: Administration and User Documentation book.

Installing DB2 UDB Workgroup Server Edition on Linux SuSE for a Common Criteria compliant installation

This task provides detailed instructions on installing DB2 UDB Workgroup Server Edition on Linux SuSE for a Common Criteria compliant installation.

Prerequisites:

- The computer on which you install DB2 Universal Database must be physically protected from untrusted users.
- Linux SuSE must be installed on the computer.
- You must have the installation CD mounted.
- The user names to be used for the following:
 - The DB2 instance owner
 - The DB2 Administration Server
 - The fenced user

If you do not have these user names, obtain them from your system administrator. For more information about these users, see "DB2 users and group (UNIX)" on page 14. For information about creating these users, see "Creating group and user IDs for a DB2 UDB installation (UNIX)" on page 38.

Procedure:

Use the following steps to install DB2 UDB Workgroup Server Edition on Linux SuSe for a Common Criteria compliant environment.

1. On the "IBM DB2 Setup Launchpad", click Install Products.

IBM DB2 Setup Launchpad DB2. Universal Database Version 8.2 Setup		
Installation Prerequisites		
<u>R</u> elease Notes	Welcome to DB2	
Install <u>P</u> roducts	Select a choice on the side menu bar.	
<u>E</u> xit		
	(C) Copyright International Business Machines Corporation, 1993, 2004. All Rights Reserved.	

Figure 136. IBM DB2 Setup Launchpad

- 2. On the second page of the "IBM DB2 Setup Launchpad":
 - a. In the Select the product you would like to install box, select DB2 UDB Workgroup Server Edition, as follows:

IBM DB2 Setup Launchpad	
DB2. Universal Database	
Version 8.2	
Setup	
Select the product you would lik	e to install
DB2 UDB Workgroup Server Edition	
ODB2 Application Development Client	
ODB2 Administration Client	
DB2 Universal Database Workgroup Serve intended for small to medium sized busin	r Edition is a multiuser version of DB2 Universal Database esses.
	< <u>₿</u> ack <u>N</u> ext Help
	(C) Copyright International Business Machines Corporation, 1993, 2004. All Rights Reserved.

Figure 137. IBM DB2 Setup Launchpad with DB2 UDB Workgroup Server Edition selected

b. Click Next. In a moment, the "DB2 Setup wizard" opens, as follows:



Figure 138. DB2 Setup wizard

- c. Click Next. The "Software License Agreement" page opens.
- **3**. On the "Software License Agreement" page:
 - a. Click the Accept radio button.

DB2 Setup wizard	I - DB2 UDB Workgroup Server Edition 🧐 📃 🗐
1. Introduction 2. Software License Agreement 3. Installation type	Software License Agreement Please read the accompanying license agreement carefully before using the Program. By selecting "Accept" below or using the Program, you agree to accept the terms of this agreement. If you select "Decline", installation will not be completed and you will not be able to use the Program.
 A. DAS User 5. Instance setup 6. Instance-owning user 7. Fenced user 8. Tools catalog 	NOTICE: By clicking on the "Accept" button, you are accepting two separate license agreements as a matter of convenience – one for evaluating the program and one that applies only if you acquire the program after your evaluation is completed. The complete text of each of these two license agreements follow.
<u>9</u> . Contact list 10. Contact	International License Agreement for Evaluation of Programs
11. Summary	Part 1 - General Terms
	BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, OR USING THE PROGRAM YOU AGREE TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF ANOTHER PERSON OR A COMPANY OR OTHER LEGAL ENTITY, YOU REPRESENT AND WARRANT THAT YOU HAVE FULL AUTHORITY TO BIND THAT PERSON, COMPANY, OR LEGAL ENTITY TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS,
	- DO NOT DOWNLOAD, INSTALL, COPY, ACCESS, OR USE THE PROGRAM; AND
	- PROMPTLY RETURN THE PROGRAM TO THE PARTY FROM WHOM YOU
	CAccept
	▲ <u>B</u> ack <u>N</u> ext Enish Cancel Help

Figure 139. DB2 Setup wizard - Software License Agreement page

b. Click Next. The "Select the installation type" page opens.

- 4. On the "Select the installation type" page:
 - a. Select the **Custom** radio button:

🗙 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition	
		The stores
1. Introduction 2. Software License 3. Installation type	Select the installation type OTypical: 520 - 620 MB Yew Features	J
 Features Languages Documentation 	DB2 will be installed with most features and functionality, using a typical configuration with default values. To add functionality, select the desired functions from the following list.	
8. DAS User 9. Instance setup 1 <u>0</u> . Instance-owning 11. Fenced user	Additional functions	
12. Instance TCP/IP 13. Instance proper	OCompact: 460 - 560 MB View Features	
14. Tools catalog 15. Contact list 16. Contact	Basic DB2 features and functionality will be installed, and minimal configuration will be performed	
17. Summary	Custom: 460 – 830 MB Select the features that you want installed, and specify configuration options for DB2. This option provides knowledge of DB2 features and settings.	
	for Db2. This option requires knowledge of Db2 reacties and sectings.	
		nish Cancel Help

Figure 140. DB2 Setup wizard - Select the installation type page

- b. Click Next. The "Select the installation action" page opens.
- 5. On the "Select the installation action" page:
 - a. Select the Install DB2 UDB Workgroup Server Edition on this computer check box.

🗙 DB2 Setup wizard - D	DB2 UDB Workgroup Server Edition
 Introduction Software License Installation type Installation action Features Languages Documentation DAS User Instance setup Instance -owning Fenced user Instance TCP/IP Instance proper Instance proper Tools catalog Contact list Contact Summary 	Select the installation action The DB2 Setup wizard can install DB2 on your computer and create a response file for use in a response file installation. You can use a response file to perform the installation at a later time with no further input, or to replicate the installation on this computer to other computers. Image: Im
	▲ Back Next Enrish Cancel Help

Figure 141. DB2 Setup wizard - Select the installation action page

b. Click Next. The "Select the features to install" page opens.

- 6. On the "Select the features to install" page:
 - a. Open the + beside Server support, then select the check box beside DB2 Data Source Support (so that the check mark is removed). This action prevents the DB2 Data Source Support option from being installed.



Figure 142. DB2 Setup wizard - Select the features to install page; DB2 Data Source Support option deselected for installation

 Den the + beside Client support, then select the check box beside DB2 LDAP Support. This action prevents the DB2 LDAP Support option from being installed.

XDB2 Setup wizard - D	B2 UDB Workgroup Server Edition	_ 🗆 🗵
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance setup 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Select the features to install Select the features you want to install. ✓ DB2 UDB Workgroup Server Edition ✓ Server support ✓ Client support ✓ Client support ✓ DB2 LDAP Support ✓ Java Support (required) ✓ SQL Procedures (required) ✓ Spatial Extender Client ✓ Administration tools	
	Installation directory The installation directory cannot be changed.	
	Directory /opt/IBM/db2/V8.1 Space required: 508 MB Space available: 10094 MB	
	<u> </u>	ish Cancel Help

Figure 143. DB2 Setup wizard - Select the features to install page; DB2 LDAP Support option deselected for installation

c. Open the + beside Administration tools, then deselect all the checked options to remove them from the list of options being installed. Note that you must deselect the Configuration Assistant option last.

DB2 Setup wizard	- DB2 UDB Workgroup Server Edition		
Introduction Software License Installation type Installation action S. Features G. Languages Z. Documentation B. DAS User J. Instance setup 10. Instance -ownine 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Select the features to install Select the features you want to install. DB2 UDB Workgroup Server Edition Client support Client support Configuration Assistant Control Center DB2 Instance Setup Wizard DB2 Web Tools Business Intelligence Select default Select all	Description The Administration tools group contains DB2 graphical and command line tools used to administer local and remote databases.	
	Installation directory The installation directory cannot be changed. Directory /opt/IBM/db2/V8.1	Space required: 327 MB Space available: 1907 MB	
		▲Back Next Finite	an Cancel Help

Figure 144. DB2 Setup wizard - Select the features to install page; all Administration tools options deselected for installation

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d. Open the + beside **Application Development Tools**, then select the **Base Application Development Tools** option so that this option gets installed.

DB2 Setup wizard	- DB2 UDB Workgroup Server Edition 🧕	[_]	X
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance -owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Select the features to install Select the features you want to install. DB2 UDB Workgroup Server Edition Client support Administration tools Application Development tools Base Application Development Tools Development Center Spatial Extender Samples Business Intelligence Select default Select all	Description The Base Application Development Tools component contains tools and files (including header files, libraries, and a precompiler) that are needed for developing applications that work with DB2.]
	Installation directory The installation directory cannot be changed. Directory /opt/IBM/db2/V8.1	Space required: 335 MB Space available: 1907 MB	
		▲ <u>Back</u> <u>Next</u> <u>Finish</u> Cancel He	lp

Figure 145. DB2 Setup wizard - Select the features to install page; Base Application Development Tools option selected for installation

e. Open the + beside **Getting started**, then deselect the **First Steps** option so that this option does not get installed.

🔀 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition	
Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance setup 10. Instance very 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Select the features to install Select the features you want to install. DB2 UDB Workgroup Server Edition DB2 UDB Workgroup Server Edition Client support Administration tools Application Development tools Business Intelligence Getting started First Steps Sample Database Source (required) XML Extender Samples	Description First Steps is a graphical tool that will help familiarize you with DB2 features and functions.
	Installation directory The installation directory cannot be changed. Directory /opt/IBM/db2/V8.1	Space required: 458 MB Space available: 10094 MB
		▲Back Next Finish Cancel Help

Figure 146. DB2 Setup wizard - Select the features to install page; First Steps option deselected for installation

f. Click Next. The "Languages" page opens.

7. On the "Languages" page, English is the only language support that is installed by default.

XDB2 Setup wizard - D	DB2 UDB Workgroup Server Edition	<u> </u>
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance -owning 11. Fenced user 12. Instance proper 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Languages The user interface and product messages will be installed in the languages that you choose. Installing multiple languages will increase the disk space requirements. Available languages Selected languages Chinese (Traditional) Image: Selected languages Czech French (Standard) German Image: Selected languages Installation directory Image: Selected language. The installation directory cannot be changed. Space required: 458 MB Directory /opt/IBM/db2/V8.1 Space required: 458 MB Space available: 9935 MB Image: Space available: 9935 MB	
	▲ Back Einisin Cancel	Help

Figure 147. DB2 Setup wizard - Languages page; English language support selected for installation

Do one of the following:

- If you do not need to install any languages other than English, click Next. The "Specify the location of the DB2 Information Center" page opens.
- If you need to install language support other than English, select the language you want from the **Available languages** box, and click > to move it to the **Selected languages** box. Repeat this procedure for every language that you need to install. When you have selected all the languages that you require, click **Next**. The "Specify the location of the DB2 Information Center" page opens.
- 8. On the "Specify the location of the DB2 Information Center" page:
 - a. Ensure that the **On the IBM Web site** radio button is selected.

🔀 DB2 Setup wizard - D	082 UDB Workgroup Server Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance -owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Specify the location of the DB2 Information Center The DB2 Information Center contains documentation for DB2 Universal Database and related DB2 products. The DB2 Information Center can be accessed on the IBM Web site, installed and accessed on another computer on your intranet, or installed and accessed on a local computer. To access the DB2 Information Center on a local computer, you must install the DB2 Information Center separately after you complete this DB2 product installation. Select the location from which you will access the DB2 Information Center: On the IBM Web site On the IBM Web site Not neme Port number S1000
	Teach Links Easter Help

Figure 148. DB2 Setup wizard - Specify the location of the DB2 Information Center; On the IBM Web site option selected

- b. Click **Next**. The "Set user information for the DB2 Administration Server" page opens.
- 9. On the "Set user information for the DB2 Administration Server" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

🔀 DB2 Setup wizard - D	2 UDB Workgroup Server Edition
1. Introduction	Set user information for the DB2 Administration Server
2. Software License	The DB2 Administration Server (DAS) runs on your computer to provide support required by the DB2 tools.
3. Installation type	information for the DAS.
<u>4</u> . Installation action	
5. realures	Ne <u>w</u> user
7 Documentation	User name
8. DAS User	UD VID
<u>9</u> . Instance setup	
1 <u>0</u> . Instance-owning	Group name
11. Fenced user	CID Use default CID
12. Instance TCP/IP	Paceward
13. Instance proper	
15. Contact list	Confirm password
16. Contact	Home directory
17. Summary	
	○ Existing user
	User name
	For users of NIS or similar management systems
	If the user information in your environment is managed remotely by NIS or a similar a stem you must creatify an existing user
	a sininar system, you must specify an existing user.
	▲Back Next ► Finish Cancel Help

Figure 149. DB2 Setup wizard - Set user information for the DB2 Administration Server page

c. Click Next. The "Set up a DB2 instance" page opens.

- 10. On the "Set up a DB2 instance" page:
 - a. Select the Create a DB2 instance radio button.

🔀 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance -owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Set up a DB2 instance A DB2 instance is an environment where you can store data and run applications. Select Create a DB2 instance to have the DB2 Setup wizard create an instance for you. Create a DB2 instance Opefer this task until after installation is complete
	▲Back Next Finish Cancel Help

Figure 150. DB2 Setup wizard - Set up a DB2 instance page; Create a DB2 instance selected

- b. Click **Next**. The "Set user information for the DB2 instance owner" page opens.
- 11. On the "Set user information for the DB2 instance owner" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

XDB2 Setup wizard - D	82 UDB Workgroup Server Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages	Set user information for the DB2 instance owner Specify the instance-owning user information for the DB2 instance. DB2 will use this user to perform instance functions, and will store instance information in the user's home directory. The name of the instance will be the same as the user name. You can create a new user or use an existing one. ONew user User name
2. Documentation 8. DAS User 9. Instance setup	UID Group name
10. Instance-owning 11. Fenced user 12. Instance TCP/IP	
13. Instance proper 14. Tools catalog 15. Contact list	Confirm password
17. Summary	© Existing user
	For users of NIS or similar management systems If the user information in your environment is managed remotely by NIS or a similar system, you must specify an existing user.
	▲Back Einish Cancel Help

Figure 151. DB2 Setup wizard - Set user information for the DB2 instance owner page

c. Click Next. The "Set user information for the fenced user" page opens.

- 12. On the "Set user information for the fenced user" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

🔀 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action	Set user information for the fenced user Enter the required user information for the fenced user. Fenced user defined functions (UDFs) and stored procedures will execute under this user and group. For security reasons it is recommended that you do not use the same user account for the fenced user as you used for the instance-owning user.
<u>5</u> . Features	⊖Ne <u>w</u> user
<u>6</u> . Languages <u>7</u> . Documentation	User name
<u>8</u> . DAS User	UD 🗹 🔟 se default UD
<u>9</u> . Instance setup 1 <u>0</u> . Instance-ownin <u>;</u>	Group name
11. Fenced user	GID 🗾 Use default <u>G</u> ID
12. Instance TCP/IP 13. Instance proper	Password
14. Tools catalog	Confirm password
15. Contact	Home directory
17. Summary	○ <u>E</u> xisting user
	User name
	User administration
	Local users and groups will be created if necessary.
	▲Back Einish Cancel Help

Figure 152. DB2 Setup wizard - Set user information for the fenced user page

- c. Click Next. The "Configure DB2 instance TCP/IP communication" page opens.
- 13. On the "Configure DB2 instance TCP/IP communication" page:
 - a. Select the **Configure** radio button.

XDB2 Setup wizard - DB2 UDB W	'orkgroup Se	rver Edition	
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance-owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Figure D r for clients r communicat communicat CP/IP protoc not configur nfigure rvice name rt number	B2 instance TCP/IP communication to access data stored in the DB2 instance, you must configure ion. You can accept the defaults or enter your own settings. ion protocol on your clients. tol has been detected on your computer. e at this time db2c_db2inst1 50001 <u>Restore Default Values</u>	e the DB2 instance for You must also configure the
		▲ <u>Back</u> Next ▶	<u>Finish</u> Cancel Help

Figure 153. DB2 Setup wizard - Configure DB2 instance TCP/IP communication page

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b. Click Next. The "Set instance properties" page opens.

14. On the "Set instance properties" page:

a. Deselect the Autostart the instance at system startup check box.

DB2 Setup wizard	I - DB2 UDB Workgroup Server Edition 🧕 🗌	X
Introduction Software License Installation type Installation action S. Features Languages Z. Documentation B. DAS User J. Instance setup 10. Instance -owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Set instance properties Default values have been entered for the instance authentication type and startup. You can accept the defaults or specify your own values. Authentication type Select an instance authentication type. The authentication type you select will apply to all databases owned by the instance. Authentication type can be changed after installation by editing the database manager configuration. Authentication type Server Specifies that authentication occurs on the server using the local operating system security. Image: Constraint of the instance at system startup	
	▲Back Next Einish Cancel Help)

Figure 154. DB2 Setup wizard - Set instance properties page

- b. Click **Next**. The "Prepare the DB2 tools catalog" page opens.
- **15**. On the "Prepare the DB2 tools catalog" page:
 - a. Select the **Do not prepare the DB2 tools catalog on this computer** radio button.

XDB2 Setup wizard - Di	B2 UDB Workgroup Server Edition	IJN
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance -owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Prepare the DB2 tools catalog Before you can use certain DB2 tools such as the Task Center and scheduler, you must create the DB2 tool catalog. The DB2 tools catalog contains task metadata. The DB2 Setup wizard can prepare a local database to store this metadata. Specify whether to prepare the DB2 tools catalog. OUse a local database O Do not prepare the DB2 tools catalog on this computer	Is
	<u>▲Back</u> <u>Next</u> <u>Finish</u> Cancel He	elp

Figure 155. DB2 Setup wizard - Prepare the DB2 tools catalog page

b. Click Next. The "Set up the administration contact list" page opens.16. On the "Set up the administration contact list" page:

- a. Select the Local Create a contact list on this system radio button.
- b. Ensure that the **Enable notification** check box is deselected.

🔀 DB2 Setup wizard - D	082 UDB Workgroup Server Edition	
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance-owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Set up the administration contact list The administration contact list will store contact information used to notify administrators that a database requires attention. Specify whether you want to create a local contact list or use an existing global contact list that resides on a remote DB2 server. Administration contact list location Local - Create a contact list on this system Remote - Use an existing contact list that resides on a remote DB2 server Remote DB2 server host name Notification SMTP server Type the SMTP server that will send email and pager notification is complete. Enable notification Notification SMTP server Notification SMTP server	
	▲ <u>Back</u> <u>Next</u> <u>Finish</u> Cancel	Help

Figure 156. DB2 Setup wizard - Set up the administration contact list page

c. Click Next. Because the Enable notification check box was not selected on the "Set up the administration contact list" page, the following warning message is displayed:



Figure 157. DB2 Setup wizard - Warning message

Click **OK**. The "Specify a contact for health monitor notification" page opens.

- 17. On the "Specify a contact for health monitor notification" page:
 - a. Select the Defer this task until after installation is complete radio button.

XDB2 Setup wizard - D	B2 UDB Workgroup Serv	er Edition	<u>_ 🗆 ×</u>
 DB2 Setup wizard - D Introduction Software License Installation type Installation action Features Languages Documentation DAS User Instance setup Instance setup Instance cowning Fenced user Instance TCP/IP Instance proper Tools catalog Contact Summary 	B2 UDB Workgroup Serve Specify a con By default, a health m is breached, email or contact for health moi a user name and pas Administration conta New contact Name Email address	er Edition tact for health monitor notification onitor runs on the DB2 instance you are setting up. When a H pager notification will be sent to an administration contact. S nitor notification. If your contact list resides on a remote DB2 sword for logon. act for this instance db2inst1 db2inst1@mordreddddress is for a pager until after installation is complete	realth indicator threshold pecify a new or existing server, you must provide
		▲Back Next Fille	inish Cancel Help

Figure 158. DB2 Setup wizard - Set up the administration contact list page

- b. Click Next. The "Start copying files" page opens.
- **18**. On the "Start copying files" page, click **Finish** to begin installing DB2 UDB Workgroup Server Edition on your computer.



Figure 159. DB2 Setup wizard - Start copying files page

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The "Installing DB2 UDB Workgroup Server Edition" page opens.

Installing DB2 UDB Workgroup Server Edition		X
Please wait while the DB2 Setup wizard installs DB2 UDB Workgroup Server Edition on your computer and performs th required configuration. This may take several minutes.	he	
Task: Installing ICU Utilities		
0% 10	0%	
Overall progress:		
0% 10	0%	

Figure 160. DB2 Setup wizard - Installing DB2 UDB Workgroup Server Edition page

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When the installation completes, the "Setup is complete" page opens.

🔀 Setup Complete 🥥 🗌 🗙
Setup is complete
The DB2 Setup wizard has finished copying files and configuring your system. DB2 installation has completed successfully. The log files db2setup.log and db2setup.err are located in the /tmp directory.
Post-install steps Status report
It is recommended that you perform the following after installation, if you have not already done so.
Verify that you have access to the DB2 Information Center based on the choices you made during this installation. If you performed a typical or a compact installation, verify that you can access the IBM Web site using the internet. If you performed a custom installation, verify that you can access the DB2 Information Center location specified during the installation.
Prepare the DB2 tools catalog if you would like to schedule tasks with the task scheduler on this computer.
Specify the SMTP server to be used by the DB2 Administration Server to send notifications to administration contacts. For more information see the documentation on notification and contact list setup and configuration.
Specify an administration contact for health monitor notification.
Click Finish to exit the DB2 Setup wizard.
<u> </u>

Figure 161. DB2 Setup wizard - Setup is complete page

Click Finish to exit from the "DB2 Setup wizard".

After DB2 Workgroup Server Edition is installed, see the topic on configuring DB2 to be Common Criteria compliant in the DB2 Universal Database Common Criteria Certification: Administration and User Documentation book.

Installing DB2 UDB Workgroup Server Edition on AIX 5.2 for a Common Criteria compliant installation

This task provides detailed instructions on installing DB2 UDB Workgroup Server Edition on AIX 5.2 for a Common Criteria compliant installation.

Prerequisites:

- The computer on which you install DB2 Universal Database must be physically protected from untrusted users.
- AIX 5.2 must be installed on the computer.
- You must have the installation CD mounted.
- The user names to be used for the following:
 - The DB2 instance owner
 - The DB2 Administration Server
 - The fenced user

If you do not have these user names, obtain them from your system administrator. For more information about these users, see "DB2 users and group (UNIX)" on page 14. For information about creating these users, see "Creating group and user IDs for a DB2 UDB installation (UNIX)" on page 38.

Procedure:

Use the following steps to install DB2 UDB Workgroup Server Edition on AIX 5.2 for a Common Criteria compliant environment.

1. On the "IBM DB2 Setup Launchpad", click Install Products.

VIBM DB2 Setup Launchpad DB2. Universal Database Version 8.2		_
Setup	Contraction of the second second	
Installation Prerequisites		
<u>R</u> elease Notes	Welcome to DB2	
Install <u>P</u> roducts	Select a choice on the side menu bar.	
<u>E</u> xit		
	(C) Copyright International Business Machines Corporation, 1993, 2004. All Rights Reserved.	

Figure 162. IBM DB2 Setup Launchpad

- 2. On the second page of the "IBM DB2 Setup Launchpad":
 - a. In the Select the product you would like to install box, select DB2 UDB Workgroup Server Edition, as follows:

XIBM DB2 Setup Launchpad		_ 🗆 🗙
DB2. Universal Database		
Version 8.2		IBN.
Setup		
Select the product you would lik	ke to install	
DB2 UDB Workgroup Server Edition		
OB2 Application Development Client		
ODB2 Administration Client		
DB2 Universal Database Workgroup Serve intended for small to medium sized busir	r Edition is a multiuser version of DB2 Universal l tesses.	Database
	▲ <u>B</u> ack <u>N</u> ext ►	Help
	(C) Copyright International Business Machines Corporation, 1993, 2004. All Rights Reserved.	

Figure 163. IBM DB2 Setup Launchpad with DB2 UDB Workgroup Server Edition selected

b. Click Next. In a moment, the "DB2 Setup wizard" opens, as follows:



Figure 164. DB2 Setup wizard

- c. Click Next. The "Software License Agreement" page opens.
- 3. On the "Software License Agreement" page:
 - a. Click the Accept radio button.


Figure 165. DB2 Setup wizard - Software License Agreement page

b. Click Next. The "Select the installation type" page opens.

- 4. On the "Select the installation type" page:
 - a. Select the **Custom** radio button:

🔀 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition		-D×
1. Introduction	Select the installation type		
2. Software License			
3. Installation type	<u>Typical: 510 - 750 MB</u>	View Features	
<u>4</u> . Installation action	DB2 will be installed with most features and fu	unctionality, using a typical	
<u>5</u> , reatures	configuration with default values. To add fund	tionality, select the desired	
7 Documentation	functions from the following list.		
8. DAS User	-Additional functions		
<u>9</u> . Instance setup	Data watehousing		
1 <u>0</u> . Instance-owning			00
11. Fenced user			
12. Instance TCP/IP	<u>C</u> ompact: 450 - 550 MB	V <u>i</u> ew Features	0=
13. Instance proper			
14. Tools catalog	Basic DB2 features and functionality will be ins configuration will be performed	italled, and minimal	
16. Contact ISC			
17. Summary	Custom: 450 – 970 MB		
	-		
	Select the features that you want installed, and	specify configuration options	
	for DB2. This option requires knowledge of DI	32 features and settings.	
		▲Back Next Finish	Cancel Help

Figure 166. DB2 Setup wizard - Select the installation type page

- b. Click Next. The "Select the installation action" page opens.
- 5. On the "Select the installation action" page:
 - a. Select the Install DB2 UDB Workgroup Server Edition on this computer check box.



Figure 167. DB2 Setup wizard - Select the installation action page

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b. Click Next. The "Select the features to install" page opens.

- 6. On the "Select the features to install" page:
 - a. Open the + beside **Server support**, then select the check box beside **DB2 Data Source Support** (so that the check mark is removed). This action prevents the **DB2 Data Source Support** option from being installed.

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Figure 168. DB2 Setup wizard - Select the features to install page; DB2 Data Source Support option deselected for installation

 b. Open the + beside Client support, then select the check box beside DB2 LDAP Support (so that the check mark is removed). This action prevents the DB2 LDAP Support option from being installed.



Figure 169. DB2 Setup wizard - Select the features to install page; DB2 LDAP Support option deselected for installation

c. Open the + beside Administration tools, then deselect all the checked options to remove them from the list of options being installed. Note that you must deselect the **Configuration Assistant** option last.



Figure 170. DB2 Setup wizard - Select the features to install page; all Administration tools options deselected for installation

d. Open the + beside **Application Development Tools**, then select the **Base Application Development Tools** option so that this option gets installed.

1



Figure 171. DB2 Setup wizard - Select the features to install page; Base Application Development Tools option selected for installation

e. Open the + beside **Getting started**, then deselect the **First Steps** option so that this option does not get installed.

🗙 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition		×
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance-owning 11. Fenced user 12. Instance proper 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Select the features to install Select the features you want to install. Select the features you want to install. Select support Client support Administration tools Application Development tools Business Intelligence Getting started First Steps Sample Database Source (required) Warehouse Sample Database Source XML Extender Samples Select default Select all	Description XML Extender Samples are sample programs you can use to learn about XML Extender technology.	
	Installation directory The installation directory cannot be changed. Directory /usr/opt/db2_08_01	Space required: 505 MB Space available: 423 MB	
		▲Back Next Finish Cancel Help	2

Figure 172. DB2 Setup wizard - Select the features to install page; First Steps option deselected for installation

f. Click Next. The "Languages" page opens.

7. On the "Languages" page, English is the only language support that is installed by default.

🔀 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition
Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance setup 11. Fenced user 12. Instance TCP/IP 13. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Languages The user interface and product messages will be installed in the languages that you choose. Installing multiple languages will increase the disk space requirements. Available languages Selected languages Fench (Standard) > German > Italian > Installation directory English Installation directory cannot be changed. Space required: 505 MB Directory /usr/opt/db2_08_01 Space required: 505 MB Space available: 423 MB Image: 423 MB
	▲Back Next Einish Cancel Help

Figure 173. DB2 Setup wizard - Languages page; English language support selected for installation

Do one of the following:

- If you do not need to install any languages other than English, click Next. The "Specify the location of the DB2 Information Center" page opens.
- If you need to install language support other than English, select the language you want from the **Available languages** box, and click > to move it to the **Selected languages** box. Repeat this procedure for every language that you need to install. When you have selected all the languages that you require, click **Next**. The "Specify the location of the DB2 Information Center" page opens.
- 8. On the "Specify the location of the DB2 Information Center" page:
 - a. Ensure that the **On the IBM Web site** radio button is selected.

🗙 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance -owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list 16. Contact 17. Summary	Specify the location of the DB2 Information Center The DB2 Information Center contains documentation for DB2 Universal Database and related DB2 products. The DB2 Information Center can be accessed on a local computer. To access the DB2 Information Center on a local computer, you must install the DB2 Information Center separately after you complete this DB2 product installation. Select the location from which you will access the DB2 Information Center On the IBM Web site Install the DB2 Information Center separately after this DB2 product installation On the following intranet gerver Host name Port number 51000
	aa
	▲ <u>Back</u> <u>Next</u> <u>Finish</u> Cancel Help

Figure 174. DB2 Setup wizard - Specify the location of the DB2 Information Center; On the IBM Web site option selected

- b. Click **Next**. The "Set user information for the DB2 Administration Server" page opens.
- 9. On the "Set user information for the DB2 Administration Server" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

🔀 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition
1. Introduction	Set user information for the DB2 Administration Server
2. Software License	The DB2 Administration Server (DAS) runs on your computer to provide support required by the DB2 tools.
3. Installation type	information for the DAS.
<u>4</u> . Installation action	
<u>5</u> . Features	Une <u>w</u> user
7 Documentation	User name
8. DAS User	
<u>9</u> . Instance setup	
1 <u>0</u> . Instance-owning	Group name
11. Fenced user	GD 🗾 GD
12. Instance TCP/IP	Poceward
13. Instance proper	
15. Contact list	Confirm password
16. Contact	Home directory
17. Summary	
	○ Existing user
	User name
	For users of NIS or similar management systems
	If the user information in your environment is managed remotely by NIS or a similar system, you must specify an existing user
	a sinniar system, you must specify an existing user.
	▲Back Next ► Einish Cancel Help

Figure 175. DB2 Setup wizard - Set user information for the DB2 Administration Server page

c. Click Next. The "Set up a DB2 instance" page opens.

- 10. On the "Set up a DB2 instance" page:
 - a. Select the Create a DB2 instance 64 bit radio button.

XDB2 Setup wizard - D	DB2 UDB Workgroup Server Edition	
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance -owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Contact list 15. Contact 16. Summary	Set up a DB2 instance A DB2 instance is an environment where you can store data and run applications. Select Create a DB2 instance to have the DB2 Setup wizard create an instance for you. Create a DB2 instance - 32 bit Create a DB2 instance - 64 bit Defer this task until after installation is complete) D
		elp

Figure 176. DB2 Setup wizard - Set up a DB2 instance page; Create a DB2 instance - 64 bit selected

b. Click Next. The following warning is displayed:

∑Warning	×
	You have chosen to create a 64-bit instance. Before you can use any DB2 functionality that depends on Java technology in this instance, you must also install a 64-bit JDK or JRE. The IBM Developer Kit for 64-bit Enabled Platforms CD contains a 64-bit JDK and a 64-bit JRE. Note: Since a 64-bit JVM could not be detected on your system, you will not be able to prepare the DB2 tools catalog which is required by tools such as Task Center and scheduler. Press OK to continue, or press Cancel to go back.
	OK Cancel

Figure 177. Warning message box

c. Click **OK**. The "Set user information for the DB2 instance owner" page opens.

- 11. On the "Set user information for the DB2 instance owner" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

XDB2 Setup wizard - D	B2 UDB Workgroup Server Edition
Introduction Z. Software License J. Installation type 4. Installation action 5. Features	Set user information for the DB2 instance owner Specify the instance-owning user information for the DB2 instance. DB2 will use this user to perform instance functions, and will store instance information in the user's home directory. The name of the instance will be the same as the user name. You can create a new user or use an existing one. ONew user
<u>6</u> . Languages <u>7</u> . Documentation <u>8</u> . DAS User	Uper name
10. Instance setup 11. Fenced user 12. Instance TCP/IP	Group name GD
 Instance proper Contact list Contact Summary 	Password Confirm password Home directory
	Existing user User name
	For users of NIS or similar management systems If the user information in your environment is managed remotely by NIS or a similar system, you must specify an existing user.
	▲Back Enrich Cancel Help

Figure 178. DB2 Setup wizard - Set user information for the DB2 instance owner page

- c. Click Next. The "Set user information for the fenced user" page opens.
- 12. On the "Set user information for the fenced user" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

🔀 DB2 Setup wizard - D	DB2 UDB Workgroup Server Edition	
<u>1</u> . Introduction	Set user information for the fenced user	
2. Software License	Enter the required user information for the fenced user. Fenced user defined functions (UDFs) and stored procedures will execute under this user and group. For security reasons it is recommended that you do	d not
4. Installation action	use the same user account for the fenced user as you used for the instance-owning user.	
5. Features	ONe <u>w</u> user	
<u>6</u> . Languages	User name	
7. Documentation		
9 Instance setup	Muse default UD	
10. Instance-owning	Group name	
11. Fenced user	GID Use default GID	
12. Instance TCP/IP	Paceward	
13. Instance proper		7
15. Contact	Confirm password	Ш Ц
16. Summary	Home directory	٣
		٦
	User name	
	User administration	
	Local users and groups will be created if necessary.	
	▲Back Hext ► Enish Cancel H	Help

Figure 179. DB2 Setup wizard - Set user information for the fenced user page

- c. Click Next. The "Configure DB2 instance TCP/IP communication" page opens.
- 13. On the "Configure DB2 instance TCP/IP communication" page:
 - a. Select the **Configure** radio button.

🔀 DB2 Setup wizard - D)B2 UDB Workgroup Se	rver Edition
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. Documentation	Configure D In order for clients TCP/IP communicat TCP/IP communicat The TCP/IP protoc	B2 instance TCP/IP communication to access data stored in the DB2 instance, you must configure the DB2 instance for ion. You can accept the defaults or enter your own settings. You must also configure the ion protocol on your clients.
<u>9</u> . Instance setup	○ <u>C</u> onfigure	
1 <u>0</u> . Instance-owning 11. Fenced user	Service name	db2c_db2inst1
 Instance TCP/IP Instance proper Contact list Contact Contact Summary 	Port number	50000 Restore Default Values
		<u> </u>

Figure 180. DB2 Setup wizard - Configure DB2 instance TCP/IP communication page

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b. Click Next. The "Set instance properties" page opens.

- 14. On the "Set instance properties" page:
 - a. Deselect the Autostart the instance at system startup check box.

🗙 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition	_ 🗆 🗵
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance-owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Contact list 15. Contact 16. Summary	Set instance properties Default values have been entered for the instance authentication type and startup. defaults or specify your own values. Authentication type Select an instance authentication type. The authentication type you select will apply to all databases owned by the instance. Authentication type can be changed after installation by editing the database manager configuration. Authentication type Server ▼ Specifies that authentication occurs on the server using the local operating system security. Image: Server installation by the instance at system startup	You can accept the
	▲Back Next Fin	ish Cancel Help

Figure 181. DB2 Setup wizard - Set instance properties page

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- b. Click Next. The "Set up the administration contact list" page opens.15. On the "Set up the administration contact list" page:
 - a. Select the Local Create a contact list on this system radio button.
 - b. Ensure that the **Enable notification** check box is deselected.

🔀 DB2 Setup wizard - D	DB2 UDB Workgroup Server Edition
Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance-owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Contact list 15. Contact 16. Summary	Set up the administration contact list The administration contact list will store contact information used to notify administrators that a database requires attention. Specify whether you want to create a local contact list or use an existing global contact list that resides on a remote DB2 server. Administration contact list location Local - Create a contact list on this system Remote - Use an existing contact list that resides on a remote DB2 server Remote DB2 server host name Notification SMTP server Type the SMTP server that will send email and pager notifications to your administration contact. This can also be set up after installation is complete. Linable notification Notification SMTP server Notification SMTP server
	▲Back Next Finish Cancel Help

Figure 182. DB2 Setup wizard - Set up the administration contact list page

c. Click **Next**. Because the **Enable notification** check box was not selected on the Set up the administration contact list page, the following warning message is displayed:



Figure 183. DB2 Setup wizard - Warning message

Click **OK**. The "Specify a contact for health monitor notification" page opens.

- 16. On the "Specify a contact for health monitor notification" page:
 - a. Select the Defer this task until after installation is complete radio button.

XDB2 Setup wizard - D	82 UDB Workgroup Server Edition	
1. Introduction 2. Software License 3. Installation type 4. Installation action 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance-owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Contact list 15. Contact 16. Summary	Specify a contact for health monitor notification By default, a health monitor runs on the DB2 instance you are setting up. When a heal is breached, email or pager notification will be sent to an administration contact. Spec contact for health monitor notification. If your contact list resides on a remote DB2 set a user name and password for logon. Administration contact for this instance Name Email address Address is for a pager Defer this task until after installation is complete	Ith indicator threshold cify a new or existing erver, you must provide
	Back Next Finis	sh Cancel Hein

Figure 184. DB2 Setup wizard - Specify a contact for health monitor notification page

- b. Click Next. The "Start copying files" page opens.
- 17. On the "Start copying files" page, click **Finish** to begin installing DB2 UDB Workgroup Server Edition on your computer.



Figure 185. DB2 Setup wizard - Start copying files page

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The "Installing DB2 UDB Workgroup Server Edition" page opens.

🗙 Installing DB2 UDB Workgroup Server Edition	
Please wait while the DB2 Setup wizard inst Workgroup Server Edition on your computer required configuration. This may take seve	alls DB2 UDB and performs the ral minutes.
Task: Installing Base Client Support	
0%	100%
Overall progress:	
0%	100%

Figure 186. DB2 Setup wizard - Installing DB2 UDB Workgroup Server Edition page

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When the installation completes, the "Setup is complete" page opens.

∑Setup Complete _□×
Setup is complete
The DB2 Setup wizard has finished copying files and configuring your system. DB2 installation has completed successfully. The log files db2setup.log and db2setup.err are located in the /tmp directory.
Post-install steps Status report
It is recommended that you perform the following after installation, if you have not already done so.
Verify that you have access to the DB2 Information Center based on the choices you made during this installation. If you performed a typical or a compact installation, verify that you can access the IBM Web site using the internet. If you performed a custom installation, verify that you can access the DB2 Information Center location specified during the installation.
Specify the SMTP server to be used by the DB2 Administration Server to send notifications to administration contacts. For more information see the documentation on notification and contact list setup and configuration.
Specify an administration contact for health monitor notification.
To use any DB2 functionality that depends on Java technology in a 64-bit instance, you must also install a 64-bit JDK or JRE. The IBM Developer Kit for 64-bit Enabled Platforms CD contains a 64-bit JDK and a 64-bit JRE.
Click Finish to exit the DB2 Setup wizard.
<u> </u>

Figure 187. DB2 Setup wizard - Setup is complete page

Click Finish to exit from the "DB2 Setup wizard".

After DB2 Workgroup Server Edition is installed, see the topic on configuring DB2 to be Common Criteria compliant in the DB2 Universal Database Common Criteria Certification: Administration and User Documentation book.

Installing DB2 UDB Workgroup Server Edition on Solaris Operating Environment 8 for a Common Criteria compliant installation

This task provides detailed instructions on installing DB2 UDB Workgroup Server Edition on the Solaris Operating Environment 8 for a Common Criteria compliant installation.

Prerequisites:

- The computer on which you install DB2 Universal Database must be physically protected from untrusted users.
- Solaris Operating Environment 8 must be installed on the computer.
- You must have the installation CD mounted.
- The user names to be used for the following:
 - The DB2 instance owner
 - The DB2 Administration Server
 - The fenced user

If you do not have these user names, obtain them from your system administrator. For more information about these users, see "DB2 users and

group (UNIX)" on page 14. For information about creating these users, see "Creating group and user IDs for a DB2 UDB installation (UNIX)" on page 38.

Procedure:

Use the following steps to install DB2 UDB Workgroup Server Edition on Solaris Operating Environment 8 for a Common Criteria compliant environment.

1. On the "IBM DB2 Setup Launchpad", click Install Products.

XIBM DB2 Setup Launchpad		
DB2. Universal Databas	se	
Versilon 8.2		INN.
Setup		
Installation Prerequisites		
Release Notes	Welcome to DB2	
Install <u>P</u> roducts	Select a choice on the side menu bar.	
Exit		
	(C) Copyright informational Eurone os Machine o Corporation, 1988, 2004. All Rights Received.	

Figure 188. IBM DB2 Setup Launchpad

- 2. On the second page of the "IBM DB2 Setup Launchpad":
 - a. In the Select the product you would like to install box, select DB2 UDB Workgroup Server Edition, as follows:

XIBM DB2 Setup Launchpad			_ 🗆 🗵
DB2. Universal Database			
Version 8.2			IHM.
Setup			
Select the product you would lik	e to install		
DB2 UDB Workgroup Server Edition			
OB2 Application Development Client			
OB2 Administration Client			
DB2 Universal Database Workgroup Server B medium sized businesses.	Edition is a multiuser version of DB2 Universal Data	base intended for small :	to
		€ <u>Back</u>	Help
	(C) Copyright informational Buildine is Machine is Corporation, 1998, 2004. All Rights Received.		

Figure 189. IBM DB2 Setup Launchpad with DB2 UDB Workgroup Server Edition selected

b. Click Next. In a moment, the "DB2 Setup wizard" opens, as follows:



Figure 190. DB2 Setup wizard

- c. Click Next. The "Software License Agreement" page opens.
- 3. On the "Software License Agreement" page:
 - a. Click the Accept radio button.



Figure 191. DB2 Setup wizard - Software License Agreement page

b. Click Next. The "Select the installation type" page opens.

- 4. On the "Select the installation type" page:
 - a. Select the **Custom** radio button:

🗙 DB2 Setup wizard - D	DB2 UDB Workgroup Server Edition	_ 🗆 ×
1. Introduction	Select the installation type	
2. Software License		
<u>3</u> . Installation typ [
4. Installation act 5. Features 6. Languages 7. Jocumentation 8. DAS User 9. Instance setup	DB2 will be installed with most features and functionality, using a typical configuration with default values. To add functionality, select the desired functions from the following list. Additional functions	0(0)
10. Instance-owning 11. Fenced user 12. Instance TCP/IP 13. Instance propert 14. Tools catalog 15. Contact list 16. Contact list 17. Summary	 Compact: 550 - 670 MB Basic DB2 features and functionality will be installed, and minimal configuration will be performed Custom: 550 - 1030 MB Select the features that you want installed, and specify configuration options for DB2. This option requires knowledge of DB2 features and settings. 	
	▲ <u>Back</u> <u><u>Pext</u> </u>	Cancel Help

Figure 192. DB2 Setup wizard - Select the installation type page

- b. Click Next. The "Select the installation action" page opens.
- 5. On the "Select the installation action" page:
 - a. Select the Install DB2 UDB Workgroup Server Edition on this computer check box.



Figure 193. DB2 Setup wizard - Select the installation action page

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b. Click Next. The "Select the features to install" page opens.

- 6. On the "Select the features to install" page:
 - a. Open the + beside **Server support**, then select the check box beside **DB2 Data Source Support** (so that the check mark is removed). This action prevents the **DB2 Data Source Support** option from being installed.

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🗙 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition		
1. Introduction	Select the features to install		
2. Software License Agreen	Select the features you want to install.		
3. Installation type			1
4. Installation action	DB2 UDB Workgroup Server Edition	Description	
5. Features	Server support	Provides federated support required	
6. Languages	Comunication protocols	to access DB2 for isenes and DB2 for z/OS and OS/390 data sources.	
7. Documentation	Base DB2 UDB Support (required)		
8. DAS User	Informix Data Source Support		
9. Instance setup			\sim
10. Instance-owning user	±- ✓ Client support		
- 11. Fenced user	Administration tools		
12 Instance TCP/IP	Application Development tools		
13. Instance properties	Business Intelligence		
14. Toole osteloa	±- ✓ Getting started		
15. Contract list			
10. Contact list	Select default Select all		
IG. Contact			
17. Summery			
	Installation directory		
	The installation directory cannot be changed.		
	Directory (art/IDM/db20.0.1	Space required: 806 MB	
	Directory rept/1000022/vo.1	Space available: 881 MB	
		Back Next	Etriste Cancel Help
		A Dank Mext P	Cancer Help

Figure 194. DB2 Setup wizard - Select the features to install page; DB2 Data Source Support option deselected for installation

 b. Open the + beside Client support, then select the check box beside DB2 LDAP Support. This action prevents the DB2 LDAP Support option from being installed.



Figure 195. DB2 Setup wizard - Select the features to install page; DB2 LDAP Support option deselected for installation

c. Open the + beside Administration tools, then deselect all the checked options to remove them from the list of options being installed. Note that you must deselect the Configuration Assistant option last.



Figure 196. DB2 Setup wizard - Select the features to install page; all Administration tools options deselected for installation

d. Open the + beside **Application Development Tools**, then select the **Base Application Development Tools** option so that this option gets installed.

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Figure 197. DB2 Setup wizard - Select the features to install page; Base Application Development Tools option selected for installation

e. Open the + beside **Getting started**, then select the **First Steps** option so that this option does not get installed.



Figure 198. DB2 Setup wizard - Select the features to install page; First Steps option deselected for installation

f. Click Next. The "Languages" page opens.

7. On the "Languages" page, English is the only language support that is installed by default.

🗙 DB2 Setup wizard - D	DB2 UDB Workgroup Server Edition	IX
 Introduction Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance rouning Fenced user Instance TCP/IP Instance propert Folis catalog Contact list Contact list Contact list Summary 	Languages The user interface and product messages will be installed in the languages that you choose. Installing multiple languages Princes (Simplified) Chinese (Traditional) French (Standard) German Italian Japanese Korean Installation directory The installation directory cannot be changed. Directory /opt/IBM/db2/V8.1 Space required: 555 MB Space available: 957 MB	
	▲ <u>B</u> ack <u>N</u> ext Einish Cancel He	lp

Figure 199. DB2 Setup wizard - Languages page; English language support selected for installation

Do one of the following:

- If you do not need to install any languages other than English, click Next. The "Specify the location of the DB2 Information Center" page opens.
- If you need to install language support other than English, select the language you want from the **Available languages** box, and click > to move it to the **Selected languages** box. Repeat this procedure for every language that you need to install. When you have selected all the languages that you require, click **Next**. The "Specify the location of the DB2 Information Center" page opens.
- 8. On the "Specify the location of the DB2 Information Center" page:
 - a. Ensure that the **On the IBM Web site** radio button is selected.

XDB2 Setup wizard - D	82 UDB Workgroup Server Edition	- 🗆 ×
1. Introduction	Specify the location of the DB2 Information Center	
2. Software License	The DB2 Information Center contains documentation for DB2 Universal Database and related DB2 produc	ts.
3. Installation typ	The IB2 Information Center can be accessed on the IBM Web site, installed and accessed on another computer on your intranet, or installed and accessed on a local computer.	
4. Installation act	To access the DB2 Information Center on a local computer, you must install the DB2 Information Cent	er
5. Features	separately after you complete this DB2 product installation.	
5. Languages		
8. DAS User	select the location from which you will access the DB2 Information Center:	
9. Instance setup		
1 <u>0</u> , Instance-owning	⊙On the IBM <u>W</u> eb site	_
11, Fenced user		
12. Instance TCP/IP	Install the UB2 Information Center separately after this UB2 product installa	
13. Instance proper	OOn the following intranet server	
14, Tools catalog		
16. Contact	Host name	
17. Summary	Port number 51000	
		7-4-
	▲ <u>Back</u> <u>Einish</u> Cancel	Help

Figure 200. DB2 Setup wizard - Specify the location of the DB2 Information Center; On the IBM Web site option selected

- b. Click **Next**. The "Set user information for the DB2 Administration Server" page opens.
- 9. On the "Set user information for the DB2 Administration Server" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

🗙 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition
1. Introduction	Set user information for the DB2 Administration Server
2. Software License	The DB2 Administration Server (DAS) runs on your computer to provide support required by the DB2 tools.
3. Installation typ	A user account with a minimal set of privileges is required to run the DAS. Specify the required user information for the DAS
4. Installation act	
5. Features	New_user
<u>6</u> . Languages 7. Documentation	User name
8. DAS User	UID 🔤 🖳
9. Instance setup	Group name
11. Fenced user	GID 🔤 👘
12, Instance TCP/IP	
13. Instance proper	
14, Tools catalog	Confirm password
15, Contact list	Home directory
16. Contact	
17. Summary	C Existing user
	User name
	For users of NIS or similar management systems
	If the user information in your environment is managed remotely by NIS or a similar system, you must specify an existing user.
	▲Back Mext ▶ Finish Cancel Help

Figure 201. DB2 Setup wizard - Set user information for the DB2 Administration Server page

c. Click Next. The "Set up a DB2 instance" page opens.

10. On the "Set up a DB2 instance" page: a. Select the Create a DB2 instance - 64 bit radio button. Ι

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🗙 DB2 Setup wizard - D	B2 UDB Workgroup Server Edition	
1. Introduction 2. Software License 3. Installation typ 4. Installation act 5. Features 6. Languages 7. Documentation 8. DAS User 9. Instance setup 10. Instance setup 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Contact list 15. Contact 16. Summary	Set up a DB2 instance A DB2 instance is an environment where you can store data and run applications. Select Create a instance to have the DB2 Setup wizard create an instance for you. Create a DB2 instance - 32 bit Create a DB2 instance - 64 bit Defer this task until after installation is complete	DB2
	▲ <u>Back</u> <u>Next</u> Cancel	Help

Figure 202. DB2 Setup wizard - Set up a DB2 instance page; Create a DB2 instance - 64 bit selected

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b. Click Next. The following warning is displayed:


Figure 203. Warning message box

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- c. Click OK. The "Set user information for the DB2 instance owner" page opens.
- 11. On the "Set user information for the DB2 instance owner" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

XDB2 Setup wizard - D	B2 UDB Workgroup Server Edition
 Introduction Software License Installation typ Installation att 	Set user information for the DB2 instance owner Specify the instance-owning user information for the DB2 instance. DB2 will use this user to perform instance functions, and will store instance information in the user's home directory. The name of the instance will be the same as the user name. You can create a new user or use an existing one.
 <u>5</u>. Features <u>6</u>. Languages <u>7</u>. Documentation 	○New user User name
8. DAS User 9. Instance setup 10. Instance-owning 11. Fenced user	UIU Uiu Uiu Group name GID GID Uiu Uiu
 Instance TCP/IP Instance proper Tools catalog Contact list 	Password Confirm password Home directory
16. Contact 17. Summary	C Existing user User name
	For users of NIS or similar management systems If the user information in your environment is managed remotely by NIS or a similar system, you must specify an existing user.
14.1	▲ Back Einish Cancel Help

Figure 204. DB2 Setup wizard - Set user information for the DB2 instance owner page

c. Click Next. The "Set user information for the fenced user" page opens.

- 12. On the "Set user information for the fenced user" page:
 - a. Select the Existing user radio button.
 - b. Use the ... of the User name field to select the user that you want.

XDB2 Setup wizard - D	B2 UDB Workgroup Server Edition
1. Introduction	Set user information for the fenced user
2. Software License	Enter the required user information for the fenced user. Fenced user defined functions (UDEs) and
<u>3</u> . Installation typ	stored procedures will execute under this user and group. For security reasons it is recommended that
4. Installation act	you do not use the same user account for the fenced user as you used for the instance-owning user.
5. Features	New user
<u>6</u> . Languages	User name
7. Documentation	
8. DAS User	uuu Milae default UID
9. Instance setup	Group name
10. Instance-owning 11. Fenced user	GID SID
12, Instance TCP/IP	
13, Instance propert	
14. Tools catalog	Confirm password
15. Contact list	Home directory
16, Contact	
17. Summary	○ <u>E</u> xisting user
	User name
	User administration
	Local users and groups will be created if necessary.
	▲Back Help

Figure 205. DB2 Setup wizard - Set user information for the DB2 instance owner page

- c. Click Next. The "Configure DB2 instance TCP/IP communication" page opens.
- 13. On the "Configure DB2 instance TCP/IP communication" page:
 - a. Select the **Configure** radio button.

🔀 DB2 Setup wizard - D	2 UDB Workgroup Serve	er Edition			_ 🗆 🗵
 Introduction Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance-owning Fenced user Instance TCP/IP Instance proper Tools catalog Contact list Contact list Contact 	Configure DB2 instance In order for clients t TCP/IP communication. the TCP/IP communication The TCP/IP protocol H Do not configure a Configure Service name db2 Port number 500	e TCP/IP communication to access data stored in You can accept the def. ion protocol on your clin has been detected on you at this time 2c_db2inst1 000	the DB2 instance, you aults or enter your own ents. r computer. <u>R</u> estore Default	must configure the n settings. You mus	DB2 instance for at also configure
			▲ Back N	ext <u>Finish</u>	Cancel Help

Figure 206. DB2 Setup wizard - Configure DB2 instance TCP/IP communication page

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b. Click Next. The "Set instance properties" page opens.

- 14. On the "Set instance properties" page:
 - a. Deselect the Autostart the instance at system startup check box.

🗙 DB2 Setup wizard - D	082 UDB Workgroup Server Edition	- D ×
 Introduction Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance -owning Fenced user Instance TCP/IP Instance propen Contact list Summary 	Set instance properties Default values have been entered for the instance authentication type and startup. You can accept defaults or specify your own values. Authentication type Select an instance authentication type. The authentication type you select will apply to all databases owned by the instance. Authentication type can be changed after installation by editing the database manager configuration. Authentication type Specifies that authentication occurs on the server using the local operating system security. Autostart the instance at system startup	the
	▲Back Next ► Einish Cancel	Help

Figure 207. DB2 Setup wizard - Set instance properties page

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- b. Click Next. The "Set up the administration contact list" page opens.15. On the "Set up the administration contact list" page:
 - a. Select the Local Create a contact list on this system radio button.
 - b. Ensure that the **Enable notification** check box is deselected.

1. Introduction 2. Software License 3. Installation typ 4. Installation act 5. Features 6. Languages 7. Documentation 8. Instance setup 10. Instance-owning 11. Fenced user 12. Instance TCP/IP 13. Instance proper 14. Tools catalog 15. Contact list
 Introduction Set up the administration contact list Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance setup Instance TCP/IP Instance proper Tools catalog Contact list Notification SMTP server Type the SMTP server that will send email and pager notifications to your administration contact. This can also be set up after installation is complete.
17. Summary

Figure 208. DB2 Setup wizard - Set up the administration contact list page

c. Click **Next**. Because the **Enable notification** check box was not selected on the "Set up the administration contact list" page, the following warning message is displayed:



Figure 209. DB2 Setup wizard - Warning message

Click **OK**. The "Specify a contact for health monitor notification" opens.

- **16**. On the "Specify a contact for health monitor notification" page:
 - a. Select the **Defer this task until after installation is complete** radio button.

🔀 DB2 Setup wizard - D	DB2 UDB Workgroup Server Edition	
 Introduction Software License Installation typ Installation act Features Languages Documentation DAS User Instance setup Instance -owning Fenced user Instance TCP/IP Instance proper Tools catalog Contact list Contact Summary 	Specify a contact for health monitor notification By default, a health monitor runs on the DE2 instance you are setting up. When a health indicator threshold is breached, email or pager notification will be sent to an administration contact. Spe new or existing contact for health monitor notification. If your contact list resides on a remot server, you must provide a user name and password for logon. Administration contact for this instance Name Email address Biddness is for a pager Defer this task until after installation is complete	acify a te DB2
	▲Back Next Finish Cancel	Help

Figure 210. DB2 Setup wizard - Specify a contact for health monitor notification page

b. Click Next. The "Start copying files" page opens.

17. On the "Start copying files" page, click **Finish** to begin installing DB2 UDB Workgroup Server Edition on your computer.



Figure 211. DB2 Setup wizard - Start copying files page

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The "Installing DB2 UDB Workgroup Server Edition" page opens.

XInstalling DB2 UDB Workgroup Server Edition	<u>_ ×</u>
Please wait while the DB2 Setup wizard installs DB2 UDB Workgroup Server Edition on your computer and performs f required configuration. This may take several minutes.	the
Task: Installing Code Page Conversion Tables	
02	100%
Overall progress:	
0%	100%

Figure 212. DB2 Setup wizard - Installing DB2 UDB Workgroup Server Edition page

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When the installation completes, the "Setup is complete" page opens.

∑Setup Complete _□×
Setup is complete
The DB2 Setup wizard has finished copying files and configuring your system. DB2 installation has completed successfully. The log files db2setup.log and db2setup.err are located in the /tmp directory.
Post-install steps Status report
It is recommended that you perform the following after installation, if you have not already done so.
Verify that you have access to the DB2 Information Center based on the choices you made during this installation. If you performed a typical or a compact installation, verify that you can access the IBM Web site using the internet. If you performed a custom installation, verify that you can access the DB2 Information Center location specified during the installation.
Specify the SMTP server to be used by the DB2 Administration Server to send notifications to administration contacts. For more information see the documentation on notification and contact list setup and configuration.
Specify an administration contact for health monitor notification.
To use any DB2 functionality that depends on Java technology in a 64-bit instance, you must also
Click Finish to exit the DB2 Setup wizard.
<u>F</u> inish

Figure 213. DB2 Setup wizard - Setup is complete page

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Click Finish to exit from the "DB2 Setup wizard".

After DB2 Workgroup Server Edition is installed, see the topic on configuring DB2 to be Common Criteria compliant in the DB2 Universal Database Common Criteria Certification: Administration and User Documentation book.

Part 3. Postinstallation tasks

Chapter 7. After installing DB2 UDB

Password rules and maintenance

When choosing a password, be aware that:

- On UNIX[®], your password can be a maximum of eight (8) characters.
- On Windows[®], your password can be a maximum of fourteen (14) characters.

You might be required to perform password maintenance tasks. Since such tasks are required at the server and many users are not able or comfortable working with the server environment, performing these tasks can pose a significant challenge.

DB2[®] UDB provides a way to update and verify passwords without having to be at the server. For example, DB2 for OS/390[®] Version 5 supports the following method of changing a user's password. If an error message SQL1404N "Password expired" is received, use the CONNECT statement to change the password as follows:

CONNECT TO <database> USER <userid> USING <password> NEW <new password> CONFIRM <new password>

The "Change password" dialog of the DB2 Configuration Assistant (CA) can also be used to change the password.

Related concepts:

• "General naming rules" in the Administration Guide: Implementation

Enabling the execution of remote commands (UNIX)

You must update your .rhosts file in both a single-partition and partitioned database environment to execute remote commands.

In a partitioned database system, each database partition server must have the authority to perform remote commands on all the other database partition servers participating in an instance. This authority can be granted by updating the rhosts file in the home directory for the instance. Because the home directory for the instance is on the shared DB2 home file system, only one rhosts file is required.

Prerequisites:

- You must have root authority.
- You must know the host name of each participating computer
- You must know the instance owner's user name.

Procedure:

- 1. Log onto the primary computer as a user with root authority.
- 2. Create a .rhosts file in the instance home directory. For example, if your instance home directory is /db2home/db2inst1, you can use a text editor to create the .rhosts file by entering the following command:

vi /db2home/db2inst1/.rhosts

3. Add entries to the .rhosts file for each computer including the primary computer. The .rhosts file has the following format:

hostname instance_owner_user_name

Some systems might require a long host name to be specified, for example: ServerA.yourdomain.com. Before you add host name entries to the .rhosts file, make sure the host names in the /etc/hosts and the /etc/resolv.conf files can be resolved.

The INSTHOME/.rhosts file should contain entries similar to the following:

ServerA.yourdomain.com db2inst1 ServerB.yourdomain.com db2inst1 ServerC.yourdomain.com db2inst1 ServerD.yourdomain.com db2inst1

Rather than specifying each host name individually, you can specify the following entry in the .rhosts file, but this action may pose a security risk and should only be done in a test environment.

+ db2inst1

If you have specified a high speed switch (netname) in the db2nodes.cfg file, you should also add netname entries for each computer to the .rhosts file. The netname values are specified in the fourth column of the db2nodes.cfg file. A .rhosts file with high speed switch (netname) entries may look similar to the following:

```
ServerA.yourdomain.com db2inst1
ServerB.yourdomain.com db2inst1
ServerC.yourdomain.com db2inst1
ServerD.yourdomain.com db2inst1
Switch1.yourdomain.com db2inst1
Switch2.yourdomain.com db2inst1
Switch3.yourdomain.com db2inst1
Switch4.yourdomain.com db2inst1
```

An alternative to using a .rhosts file is to use /etc/hosts.equiv file. The /etc/hosts.equiv file would contain the exact same entries as the .rhosts file, but must be created on each computer.

For more information about the .rhosts file or the /etc/hosts.equiv file, see your operating system documentation.

Applying the latest FixPak (Windows and UNIX)

A DB2 FixPak contains updates and fixes for problems (Authorized Program Analysis Reports, or "APARs") found during testing at IBM, as well as fixes for problems reported by customers. Every FixPak is accompanied by a document, called APARLIST.TXT, that describes the fixes it contains.

FixPaks are cumulative. This means that the latest FixPak for any given version of DB2 contains all of the updates from previous FixPaks for the same version of DB2. It is recommended that you keep your DB2 environment running at the latest FixPak level to ensure problem-free operation.

When installing a FixPak on a partitioned ESE system, all participating computers must have the same FixPak installed while the system is offline.

Prerequisites:

Each FixPak has specific prerequisites. See the FixPak Readme that accompanies the FixPak for more information.

Restrictions:

If you are installing DB2 Universal Database to set up a Common Criteria certified configuration, do not install FixPaks. Because FixPaks are not evaluated for Common Criteria compliance, installing a FixPak makes the configuration no longer compliant.

Procedure:

- Download the latest DB2 FixPak from the IBM DB2 UDB and DB2 Connect Online Support Web site at http://www.ibm.com/software/data/db2/udb/winos2unix/support. Each FixPak contains a set of Release Notes and a Readme. The Readme provides instructions for installing the FixPak.
- 2. Install the FixPak.
- 3. On UNIX systems, run the db2iupdt command to update the instance.

Related concepts:

• "Common Criteria certification of DB2 Universal Database products" in the *Infrastructure Topics (DB2 Common Files)*

Related tasks:

• "Verifying the installation using the command line processor (CLP)" on page 257

Verifying the installation (Windows and UNIX)

Verifying the installation using the command line processor (CLP)

You can verify the installation by creating a sample database and running SQL commands to retrieve sample data.

Prerequisites:

- The sample database component must be installed on your system and is included in a typical installation.
- You require a user with SYSADM authority.

Procedure:

To verify the installation:

- 1. Log on to the system as a user with SYSADM authority.
- 2. Start the database manager by entering the db2start command.
- 3. Enter the db2samp1 command to create the SAMPLE database.

This command may take a few minutes to process. There is no completion message; when the command prompt returns, the process is complete.

The SAMPLE database is automatically cataloged with the database alias SAMPLE when it is created.

4. Enter the following DB2 commands from a DB2 command window to connect to the SAMPLE database, retrieve a list of all the employees that work in department 20, and reset the database connection:

```
db2 connect to sample
db2 "select * from staff where dept = 20"
db2 connect reset
```

After you have verified the installation, you can remove the SAMPLE database to free up disk space. Enter the db2 drop database sample command to drop the SAMPLE database.

Related tasks:

• "Verifying the installation of DB2 servers using First Steps" in the *Quick Beginnings for DB2 Servers*

Part 4. Installing DB2 clients

Chapter 8. Installing DB2 clients (Windows)

Client requirements

DB2 client installation requirements (Windows)

The following list provides operating system requirements, software requirements, and communication requirements for your DB2 client on Windows.

Operating system requirements

One of the following:

- Windows 98
- Windows ME
- Windows NT Version 4.0 with Service Pack 6a or later
- Windows NT Server 4.0, Terminal Server Edition (only supports the DB2 Run-Time Client) with Service Pack 6 or later for Terminal Server
- Windows 2000

Note: In a Common Criteria compliant environment, Windows-based clients must be on Windows 2000. Other Windows-based platforms are not certified.

- Windows XP (32-bit and 64-bit editions)
- Windows Server 2003 (32-bit and 64-bit editions)

Software requirements

For the most up-to-date operating system information, see http://www.ibm.com/software/data/db2/udb/sysreqs.html.

- You require the appropriate SDK to use Java-based tools like the DB2 Control Center, and to create and run Java applications, including stored procedures and user-defined functions.
- If you plan to use LDAP (Lightweight Directory Access Protocol), you require either a Microsoft LDAP client or an IBM SecureWay LDAP client V3.2.1 or later. Prior to installation, you will need to extend your directory schema using the db2schex utility, which can be found on the installation media.

The Microsoft LDAP client is included with the operating system for Windows ME, Windows 2000, Windows XP, and Windows Server 2003.

- If you plan to use the Tivoli Storage Manager facilities for the backup and restoration of your databases, you need the Tivoli Storage Manager Client Version 4.2.0 or later.
 - For 64-bit Windows NT operating systems, you require the TSM client API Version 5.1.
- If you have the IBM Antivirus program installed on your operating system, it must be disabled or uninstalled to complete a DB2 installation.
- If you are installing the Application Development Client, you must have a C compiler to build SQL Stored Procedures.

Communication requirements

• Named Pipes or TCP/IP.

Note: In a Common Criteria compliant environment, only TCP/IP is supported.

- The Windows base operating system provides Named Pipes and TCP/IP connectivity.
- **Note:** In Version 8, DB2 UDB supports only TCP/IP for remotely administering a database.

Related reference:

"Java SDK levels for DB2 UDB" on page 37

Disk and memory requirements (Windows and UNIX)

This topic lists the memory and disk requirements for DB2.

Disk requirements:

The disk space required for your product depends on the type of installation you choose and the type of file system you have. The DB2 Setup wizard provides dynamic size estimates based on the component selected during a typical, compact, or custom installation.

On Windows, you may require significantly more space on FAT (File Allocation Table) drives with large cluster sizes than with NTFS (New Technology File System) drives.

Remember to include disk space for required software, communication products, and documentation.

Memory requirements:

At a minimum, DB2 requires 256 MB of RAM. 512M of RAM memory is recommended if you use the DB2 GUI tools. When determining memory requirements, be aware of the following:

- For DB2 client support, these memory requirements are for a base of 5 concurrent client connections. You will need an additional 16 MB of RAM per 5 client connections.
- Additional memory might be required for software other than DB2 that is running on your system.
- Additional memory may be required to improve the performance of the DB2 GUI tools.
- Specific performance requirements can determine the amount of memory needed.
- Memory requirements are affected by the size and complexity of your database system.
- Memory requirements are affected by the extent of database activity and the number of clients accessing your system.
- On Linux, ensure that your SWAP space is at least twice as much as your RAM.

Installing DB2 clients (Windows)

This task describes how to install a DB2 client on a Windows operating system.

Prerequisites:

Before you install your DB2 client, ensure that:

- Your system meets all of the memory, disk space, and installation requirements.
- You have a user account to perform the installation:

Windows 98, Windows ME

Any valid Windows 98 or Windows ME user account.

Windows Terminal Server, Windows NT, Windows 2000, Windows XP, and Windows Server 2003

A user account that belongs to a group with more authority than the Guests group, such as the Users group.

To perform an installation on Windows 2000 servers and Windows Server 2003 as part of the Users group, the registry permissions have to be modified to allow Users **write** access to the HKEY_LOCAL_MACHINE\Software registry branch. In the default Windows 2000 and Windows Server 2003 environment, members of the Users group only have **read** access to the HKEY_LOCAL_MACHINE\Software registry branch.

Restrictions:

In Version 8, DB2 UDB supports only TCP/IP for remotely administering a database.

In a Common Criteria compliant environment, Windows-based clients must be on Windows 2000. Other Windows-based platforms are not certified.

Procedure:

To install a DB2 client:

- 1. Log on to the system with the user account that you want to use to perform the installation.
- 2. Shut down any other programs so that the DB2 Setup wizard can update files as required.
- **3**. Insert the appropriate CD-ROM into the drive. The auto-run feature starts the DB2 Setup wizard. The DB2 Setup wizard determines the system language, and starts the setup program for that language.

You can run the DB2 Setup wizard in a language other than the default system language by manually invoking the DB2 Setup wizard and specifying a language code. For example, the **setup -i fr** runs the DB2 Setup wizard in French. This example does not apply to the DB2 UDB Run-Time Client Lite.

- 4. If you are installing an Administration or Application Development client, choose **Install Product** when the DB2 Launchpad opens.
- **5**. Proceed by following the DB2 Setup wizard's prompts. Online help is available to guide you through the remaining steps.

After installing your DB2 client, you should configure it to access a remote DB2 server.

If you want your DB2 product to have access to DB2 documentation either on your local computer or on another computer on your network, then you must install the DB2 Information Center. The DB2 Information Center contains documentation for DB2 Universal Database and DB2 related products. See Installing the DB2 Information Center using the DB2 Setup wizard (Windows).

Note: The DB2 Information Center was not evaluated in the Common Criteria certification of DB2 Universal Database. If you are installing DB2 Universal Database to be Common Criteria compliant, do not install the DB2 Information Center.

Related concepts:

- "Response file installation basics" in the Installation and Configuration Supplement
- "DB2 Information Center" in the Infrastructure Topics (DB2 Common Files)
- "DB2 Information Center installation scenarios" in the *Infrastructure Topics* (DB2 *Common Files*)

Related tasks:

- "Installing the DB2 Information Center using the DB2 Setup wizard (Windows)" in the *Infrastructure Topics (DB2 Common Files)*
- "Configuring remote access to a server database" in the *Installation and Configuration Supplement*
- "Response file installation of DB2 overview (Windows)" in the *Installation and Configuration Supplement*
- "Installing DB2 servers in a single-partition database environment (Windows)" on page 43

Related reference:

- "Language identifiers for running the DB2 Setup wizard in another language" on page 285
- "setup Install DB2 Command" in the Command Reference
- "DB2 Run-Time Client Lite command line options" in the *Quick Beginnings for* DB2 Clients

Chapter 9. Installing DB2 clients (UNIX)

DB2 client requirements

DB2 client installation requirements (AIX)

The following list provides hardware, operating system, software, and communication requirements for your DB2 client on AIX.

Hardware requirements

RISC System/6000

Operating system requirements

For the most up-to-date operating system information, see http://www.ibm.com/software/data/db2/udb/sysreqs.html.

One of the following:

Version 4.3.3 (32-bit)

• With maintenance level 11

Version 5.1.0 (32-bit or 64-bit)

• With maintenance level 5 and Recommended Maintenance Package AIX 5100-04 and APAR IY46667

Version 5.2.0 (32-bit or 64-bit)

Note: In Common Criteria compliant environments, AIX-based clients are certified on AIX Version 5.2.0, 32-bit only. Other configurations are not certified.

With Maintenance level 2, and:

For Concurrent I/O (CIO) and Direct I/O (DIO) mounted volume:

APARs IY49129 and IY49346

For JFS filesystems: APAR IY48339

For JFS2 filesystems: APAR IY49304

For Java:

Recommended Maintenance Package AIX 5200-01 and APAR IY46668

For running more than 1000 db2agents and using the 32-bit AIX kernel:

APAR IY49885, and specify "vmo -o

pta_balance_threshold=0" before db2start or in AIX bootup

The following AIX file sets are required to install or run DB2 UDB in languages other than English:

- X11.fnt.ucs.ttf (AIX Windows Unicode TrueType Fonts)
- X11.fnt.ucs.com (AIX Windows Common Fonts)
- xlC.rte 5.0.2.x or 6.0.0.x

- For Asian languages, the following file sets are also required:
 - X11.fnt.ucs.ttf_CN (for zh_CN or Zh_CN)
 - X11.fnt.ucs.ttf_KR (for ko_KR)
 - X11.fnt.ucs.ttf_TW (for zh_TW or Zh_TW)
- On AIX Version 4.3.3 the following file set is required:
 xlC.aix43.rte 5.0.2.x or 6.0.0.x
- On AIX Version 5.x the following file set is required:
 - xlC.aix50.rte 5.0.2.x or 6.0.0.x

AIX file sets can be downloaded from: http://techsupport.services.ibm.com/server/fixes

Software requirements

- For Kerberos support, you require IBM Network Authentication Service client v1.3 or later, running on AIX V5.2 or higher.
- For LDAP (Lightweight Directory Access Protocol) support, you require an IBM SecureWay Directory Client V3.2.1 or later.
- You require the appropriate SDK to use Java-based tools like the DB2 Control Center, and to create and run Java applications, including stored procedures and user-defined functions.

Communication requirements

• TCP/IP is required. The AIX base operating system provides TCP/IP connectivity, if it is selected during installation.

Related reference:

• "Java SDK levels for DB2 UDB" on page 37

DB2 client installation requirements (Linux)

The following list provides operating system, software, and communication requirements for your DB2 client on Linux.

You may be required to update your kernel configuration parameters. The kernel configuration parameters are set in /etc/sysctl.conf. Refer to your operating system manual for information on setting and activating these parameters using the sysctl command.

Operating system requirements

To check for the latest technical information on the supported levels of Linux, point your browser to http://www.ibm.com/db2/linux/validate

DB2 Connect Enterprise Edition is now supported on Linux zSeries 64-bit.

DB2 for Linux zSeries 31-bit is not supported on the Linux zSeries 64-bit operating system. You must use the "64-bit DB2 for Linux zSeries 64-bit OS" image on Linux zSeries 64-bit OS, and the "31-bit DB2 for Linux zSeries 31-bit OS" image on the Linux zSeries 31-bit operating system.

Note: In a Common Criteria compliant environment, Linux-based clients must be on Linux SuSE on 32-bit Intel-based hardware. Other Linux configurations are not certified.

Software requirements

You require the appropriate SDK to use Java-based tools like the DB2 Control Center, and to create and run Java applications, including stored procedures and user-defined functions.

If you plan to use Kerberos Authentication, you require Red Hat Enterprise Linux Advanced Server 2.1 (32-bit Intel only) with the following filesets:

- krb5-libs
- krb5-workstation

Communication requirements

• TCP/IP. The Linux base operating system provides TCP/IP connectivity, if it is selected during installation.

Related reference:

• "Java SDK levels for DB2 UDB" on page 37

DB2 client installation requirements (Solaris Operating Environment)

The following list provides hardware requirements, operating system requirements, software requirements, and communication requirements for your DB2 client on the Solaris Operating Environment.

Restrictions:

A system restart is required if you update the kernel configuration parameters. The kernel configuration parameters are set in /etc/system and if these parameters require modification to accommodate the DB2 client, a reboot is necessary to make the changes to /etc/system effective. These parameters must be set before you install a DB2 client.

Hardware requirements

Solaris SPARC-based computer

Operating system requirements

For the most up-to-date operating system information, see http://www.ibm.com/software/data/db2/udb/sysreqs.html.

- Solaris Version 7 or later
- The following patches are required for the Solaris Operating Environment Version 7:
 - Solaris 7 (32-bit) "Recommended & Security Patches" + 107226-17 + 107153-01 + 106327-10
 - Solaris 7 (64-bit) "Recommended & Security Patches" + 107226-17 + 107153-01 + 106300-11 + 106327-10
 - Solaris 8 (32-bit) "Recommended & Security Patches" + 108921-12 + 108940-24 + 108434-03 and 108528-12

Note: In a Common Criteria compliant environment, Solaris-based clients must be on Solaris Operating Environment, 8 (32-bit). Other configurations are not certified.

- Solaris 8 (64-bit) "Recommended & Security Patches" + 108921-12 + 108940-24 + 108435-03 + 108434-03 and 108528-12
- Solaris 9 (32-bit)
- Solaris 9 (64-bit)

"Recommended & Security Patches" can be obtained from the http://sunsolve.sun.com Web site. From the SunSolve Online Web site, click on the "Patches" menu item in the left panel.

The J2SE Solaris Operating Environment Patch Clusters are also required.

The following software is required to install a DB2 client on Solaris Operating Environment:

• SUNWlibC

Software requirements

- For Kerberos support, you require Solaris Operating Environment 8 or higher with SEAM v1.0.1, which is included in the Solaris Operating Environment 8 Admin Pack.
- You require the appropriate SDK to use Java-based tools like the DB2 Control Center, and to create and run Java applications, including stored procedures and user-defined functions.
- If you are installing the Application Development Client, you must have a C compiler to build SQL Stored Procedures.

Communication requirements

• TCP/IP is required. The Solaris Operating Environment provides TCP/IP connectivity.

Related reference:

• "Java SDK levels for DB2 UDB" on page 37

Disk and memory requirements (Windows and UNIX)

This topic lists the memory and disk requirements for DB2.

Disk requirements:

The disk space required for your product depends on the type of installation you choose and the type of file system you have. The DB2 Setup wizard provides dynamic size estimates based on the component selected during a typical, compact, or custom installation.

On Windows, you may require significantly more space on FAT (File Allocation Table) drives with large cluster sizes than with NTFS (New Technology File System) drives.

Remember to include disk space for required software, communication products, and documentation.

Memory requirements:

At a minimum, DB2 requires 256 MB of RAM. 512M of RAM memory is recommended if you use the DB2 GUI tools. When determining memory requirements, be aware of the following:

- For DB2 client support, these memory requirements are for a base of 5 concurrent client connections. You will need an additional 16 MB of RAM per 5 client connections.
- Additional memory might be required for software other than DB2 that is running on your system.

- Additional memory may be required to improve the performance of the DB2 GUI tools.
- Specific performance requirements can determine the amount of memory needed.
- Memory requirements are affected by the size and complexity of your database system.
- Memory requirements are affected by the extent of database activity and the number of clients accessing your system.
- On Linux, ensure that your SWAP space is at least twice as much as your RAM.

Installing DB2 clients (UNIX)

This task provides steps for installing a DB2 client on UNIX.

Prerequisites:

Before you begin installing a DB2 client on UNIX:

- Ensure that your system meets all of the memory, hardware, and software requirements to install your DB2 product.
- Installing a DB2 client in the Solaris Operating Environment or on HP-UX requires that you update your kernel configuration parameters and restart your system.

Restrictions:

In Version 8, DB2 UDB supports only TCP/IP for remotely administering a database.

Procedure:

After updating your kernel configuration parameters and starting your system (required for Solaris Operating Environment and HP-UX, and recommended for Linux), you can install your DB2 client.

To install a DB2 client on UNIX:

- 1. Log in as a user with root authority.
- 2. Insert and mount the appropriate CD-ROM.
- **3**. Change to the directory where the CD-ROM is mounted by entering the cd */cdrom* command where */cdrom* is the CD-ROM mount point.
- 4. Enter the ./db2setup command. The DB2 Setup Wizard starts.
- 5. Choose Install Products when the DB2 Launchpad opens.
- 6. Select the client you want to install.
- 7. Proceed by following the DB2 Setup wizard's prompts. Online help is available to guide you through the remaining steps.

When installation is complete, the DB2 client is installed in the *DB2DIR* directory, where *DB2DIR* is:

AIX /usr/opt/db2_08_01

Linux and other UNIX operating systems /opt/IBM/db2/V8.1

After installing your DB2 client, you should configure it to access a remote DB2 server.

If you want your DB2 product to have access to DB2 documentation either on your local computer or on another computer on your network, then you must install the DB2 Information Center. The DB2 Information Center contains documentation for DB2 Universal Database and DB2 related products. See Installing the DB2 Information Center using the DB2 Setup wizard (UNIX).

Note: The DB2 Information Center was not evaluated in the Common Criteria certification of DB2 Universal Database. If you are installing DB2 Universal Database to be Common Criteria compliant, do not install the DB2 Information Center.

Related concepts:

- "Response file installation basics" in the Installation and Configuration Supplement
- "DB2 Information Center" in the Infrastructure Topics (DB2 Common Files)
- "DB2 Information Center installation scenarios" in the *Infrastructure Topics* (DB2 *Common Files*)

Related tasks:

- "Installing the DB2 Information Center using the DB2 Setup wizard (UNIX)" in the *Infrastructure Topics* (DB2 Common Files)
- "Modifying kernel parameters (Solaris Operating Environment)" on page 41
- "Modifying kernel parameters (HP-UX)" in the Quick Beginnings for DB2 Servers
- "Configuring client-to-server connections using the Configuration Assistant (CA)" in the *Quick Beginnings for DB2 Servers*
- "Configuring remote access to a server database" in the *Installation and Configuration Supplement*
- "Response file installation of DB2 overview (UNIX)" in the *Installation and Configuration Supplement*
- "Modifying kernel parameters (Linux)" on page 40

Related reference:

• "db2setup - Install DB2 Command" in the Command Reference

Part 5. Configuring a client-to-server connection

Chapter 10. Client-to-server support

Supported and non-supported client configurations

This section describes both the supported and non-supported configuration scenarios for clients and servers.

DB2 Version 7 client local connections to a DB2 Version 8 server are not supported. You cannot use a DB2 Version 7 client to catalog a DB2 Version 8 instance on the same machine as a local node.

The following table describes the standard and gateway configuration support for DB2 clients. For example, if you have a DB2 Universal Database Version 8 32-bit client, you can connect to a DB2 Universal Database Version 8 64-bit server using a Version 8 32-bit gateway.

In the following table, references to Version 7 clients have an implied FixPak 7 or later level. DB2 clients without FixPak 7 installed are not supported.

DB2 Clients	Version 7 32-bit Server UNIX [°] , Windows [°] , Linux	Version 7 64-bit Server UNIX	Version 8 32-bit Server UNIX, Windows, Linux	Version 8 64-bit Server UNIX, Windows, Linux
Version 7 (32-bit)	Yes	No	Yes (6)	Yes (2,5,8)
Version 7 (64-bit)	No	Yes	No	Yes (4,5)
Version 8 (32-bit)	Yes (1,7)	No	Yes	Yes
Version 8 (64-bit)	No	Yes (1,7)	Yes	Yes
AS/400 [™] , iSeries [™] , OS/390, zSeries [™] , VSE, VM clients	Yes	Yes	Yes (3)	Yes (3)

Table 5. DB2 Version 7 and Version 8 client/server matrix

In Common Criteria compliant environments:

- DB2 clients are only certified on the same platforms and hardware as certified DB2 Universal Database servers. Other configurations are not certified.
- Back-level clients are not supported.
- Clients that connect to midrange or mainframe computers are not supported.

Notes:

- 1. A DB2 Universal Database Version 7 server must be configured as a DRDA application server (AS). This is necessary when you have a Version 8 32-bit client working with a Version 7 32-bit server; or, when you have a Version 8 64-bit client working with a Version 7 64-bit server.
- 2. Direct support (without an intervening DB2 Connect gateway) exists from a DB2 Version 7 32-bit Windows client to a DB2 Version 8 64-bit Windows server. However, there is no direct support from DB2 Version 7 32-bit clients on other platforms.
- **3**. Only TCP/IP is supported. There is no support for SNA. This support is available from AS/400, iSeries, OS/390, zSeries, VSE, and VM clients working with a Version 8 server.

- 4. A Version 7 64-bit client supports only DB2 Universal Database Version 8 64-bit servers on operating systems other than Windows.
- 5. Version 7 clients support only SQL requests on a Version 8 64-bit server. There is no support for utility or API requests.
- 6. When a Version 7 32-bit client works with a Version 8 32-bit server, there is no support for DB2 Universal Database utilities using the **AT NODE** facility, which is primarily used for administering a partitioned database environment.
- 7. When you have a Version 8 32-bit client working with a Version 7 32-bit server, or when you have a Version 8 64-bit client working with a Version 7 64-bit server, the DB2 Universal Database Version 7 server must be at a FixPak 8 or later level. The **db2updv7** utility must be run on the server in order for it to be accessible from a DB2 Universal Database Version 8 client. Once this utility is run on a database, this database cannot be used with an instance that is at an earlier FixPak level.
- 8. When you have a Version 7 32-bit client working with a Version 8 64-bit server, connectivity to a DB2 Universal Database Version 8 64-bit server on UNIX can only be accomplished using an intermediate DB2 Connect Version 8 32-bit gateway.

Related concepts:

• "DB2 clients" on page 5

Related reference:

- "Client-to-Server communication scenarios" in the *Quick Beginnings for DB2 Clients*
- "Version 8 incompatibilities with previous releases" in the *Administration Guide: Planning*

Chapter 11. Configuring a connection using the command line processor (CLP)

Configuring client-to-server connections using the command line processor (CLP)

This task describes how to configure a connection from a DB2 client to a remote database server using the command line processor (CLP).

You can also configure a client to server connection using the Configuration Assistant.

Prerequisites:

Before you configure a client to server connection:

• Communications must be configured on the DB2 server and the DB2 client. Depending on your operating system, communications can be Named Pipes, NetBIOS, or TCP/IP.

Note: For Common Criteria compliant configurations, only TCP/IP is supported.

• You must use one of the supported client to server connection scenarios. The connection scenarios outline which communication method or protocol can be used by which operating system.

Restrictions:

- DB2 UDB servers on Windows and UNIX no longer accept inbound client connections using APPC. DB2 clients can still connect to host systems using APPC if they have DB2 Connect installed.
- You cannot use NetBIOS to connect from a Windows client to a server running on a UNIX-based system.

Procedure:

To configure a client-to-server connection using the command line processor:

- 1. Identify and record the communication parameter values.
- **2**. Configure the appropriate communication protocol on the client. No configuration is required for Named Pipes.
- **3**. Catalog the database node from the DB2 client using one of the following methods. Your choice of method is based on the communications protocol setup on the system you want to catalog.
 - Catalog the TCP/IP node from the DB2 client.
 - Catalog the NetBIOS node from the DB2 client.
 - Catalog the Named Pipes node from the DB2 client.
- 4. Catalog the database on the DB2 client.
- 5. Test the client-to-server connection.

Related tasks:

- "Cataloging a TCP/IP node from the DB2 client" on page 276
- "Cataloging a NetBIOS node from the DB2 client" in the *Installation and Configuration Supplement*
- "Cataloging a Named Pipes node from the client" in the *Installation and Configuration Supplement*
- "Cataloging a database from a DB2 client using the CLP" on page 277
- "Testing the client-to-server connection using the CLP" on page 279
- "Configuring client-to-server connections using the Configuration Assistant (CA)" in the *Quick Beginnings for DB2 Servers*

Cataloging the node

Cataloging a TCP/IP node from the DB2 client

Cataloging a TCP/IP node adds an entry to the DB2 client's node directory that describes the remote node. This entry specifies the chosen alias (*node_name*), the *hostname* (or *ip_address*), and the *svcename* (or *port_number*) that the client uses to access the remote host.

Prerequisites:

• You must have system administration (SYSADM) or system control (SYSCTRL) authority, or have the *catalog_noauth* database manager configuration parameter set to 0N. You cannot catalog a node using root authority.

Procedure:

To catalog a TCP/IP node:

- 1. Log on to the system as a user with system administration (SYSADM) or system control (SYSCTRL) authority.
- **2**. If you are using a UNIX client, set up the instance environment. Run the start-up script:

For bash, Bourne or Korn shell
 . INSTHOME/sqllib/db2profile

For C shell

source INSTHOME/sqllib/db2cshrc

where *INSTHOME* represents the home directory of the instance.

- **3**. Start the DB2 command line processor. On Windows, issue the db2cmd command from a command prompt. On UNIX, issue the db2 command from a command prompt.
- 4. Catalog the node by entering the following commands in the command line processor:

db2 => catalog tcpip node node_name remote hostname|ip_address server service_name|port_number [remote_instance instance_name] [system system name] [ostype os type]

db2 => terminate

where:

 node_name represents a nickname you can set for the computer that has the database you want to catalog.
- remote_instance represents the name of the server instance on which the database resides.
- system represents the DB2 system name that is used to identify the server.
- ostype represents the operating system type of the server.

Notes:

- a. The terminate command is needed to refresh the directory cache.
- b. Although remote_instance, system, and ostype are optional, they are required for users who want to use the DB2 tools.
- c. The *service_name* used on the client does not have to be the same as the one on the server. However, the port numbers that they map to *must* match.

Example:

To catalog a node that you want to call *db2node* on a remote server *myserver.ibm.com* that is using port number *50000*, you would enter the following from a **db2** prompt:

db2 => catalog tcpip node db2node remote myserver server 50000
DB20000I The CATALOG TCPIP NODE command completed successfully.
DB21056W Directory changes may not be effective until the directory cache is
refreshed.

```
db2 => terminate
DB20000I The TERMINATE command completed successfully.
```

Related tasks:

- "Configuring TCP/IP communications on the client using the CLP" in the *Installation and Configuration Supplement*
- "Testing the client-to-server connection using the CLP" on page 279

Related reference:

• "CATALOG TCPIP NODE Command" in the Command Reference

Cataloging the database and testing the connection

Cataloging a database from a DB2 client using the CLP

This task describes how to catalog a database from a DB2 client using the DB2 command line processor (CLP).

Before a client application can access a remote database, the database must be cataloged on the client. When you create a database, the database is automatically cataloged on the server with a database alias that is the same as the database name, unless a different database alias was specified.

The information in the database directory, along with the information in the node directory (unless you are cataloging a local database where a node is not needed), is used on the DB2 client to establish a connection to the remote database.

Restrictions:

DB2 does not support using root authority to catalog a database.

Prerequisites:

- You require a valid DB2 user ID.
- You must have system administration (SYSADM) or system control (SYSCTRL) authority, or have the *catalog_noauth* database manager configuration parameter set to 0N.
- The following parameter values are applicable when cataloging a *remote* database:
 - Database name
 - Database alias
 - Node name
 - Authentication type (optional)
 - Comment (optional)

Refer to the parameter values worksheet for cataloging a database for more information about these parameters and to record the values that you use.

- The following parameter values are applicable when cataloging a *local* database:
 - Database name
 - Drive
 - Database alias
 - Authentication type (optional)
 - Comment (optional)

Local databases can be uncataloged and recataloged at any time.

Procedure:

To catalog a database on the client:

- 1. Log on to the system with a valid DB2 user ID.
- 2. Optional. Update the Your Value column in the Parameter values worksheet for cataloging a database.
- **3.** If you are using DB2 UDB on a UNIX platform, set up the instance environment. Run the start-up script:

For C shell

source INSTHOME/sqllib/db2cshrc

where: INSTHOME represents the home directory of the instance.

- 4. Start the DB2 command line processor. On Windows, issue the db2cmd command from a command prompt. On UNIX, issue the db2 command from a command prompt.
- 5. Catalog the database by entering the following commands in the command line processor:

```
db2 => catalog database database_name as database_alias at
    node node_name [ authentication auth_value ]
```

where:

- database_name represents the name of the database you want to catalog.
- database_alias represents a local nickname for the database you want to catalog.
- node_name represents a nickname you can set for the computer that has the database you want to catalog.

• auth_value specifies the type of authentication that will take place when connecting to the database. This parameter defaults to the authentication type specified on the server. Specifying an authentication type can result in a performance benefit. SERVER, CLIENT, SERVER_ENCRYPT, and KERBEROS are the authentication value options.

Note: For Common Criteria compliant configurations, only SERVER is supported.

Example:

To catalog a remote database called *sample* so that it has the local database alias *mysample*, on the node *db2node* using authentication *server*, enter the following commands:

```
db2 => catalog database sample as mysample at node db2node
    authentication server
```

db2 => terminate

Related tasks:

• "Testing the client-to-server connection using the CLP" on page 279

Related reference:

- "Parameter values worksheet for cataloging a database" in the *Installation and Configuration Supplement*
- "CATALOG DATABASE Command" in the Command Reference

Testing the client-to-server connection using the CLP

After cataloging the node and the database, you should connect to the database to test the connection.

Prerequisites:

- The database node and database must be cataloged before you can test the connection.
- The values for *userid* and *password* must be valid for the system on which they are authenticated. By default, authentication takes place on the server. Authentication is determined by the *authentication* parameter specified in the server's database manager configuration file. If the authentication configured on the client doesn't match or isn't compatible with what is configured on the server, you will receive an error.

Note: For a Common Criteria compliant configuration, the *authentication* database manager configuration parameter must be set to SERVER.

• The database manager must be started with the correct protocol defined in DB2COMM. If it isn't started, then you can start the database manager by entering the db2start command on the database server.

Procedure:

To test the client to server connection:

1. If you are using DB2 on a UNIX platform, set up the instance environment. Run the start-up script:

For bash, Bourne or Korn shell

. INSTHOME/sqllib/db2profile

For C shell

source INSTHOME/sqllib/db2cshrc

where: *INSTHOME* represents the home directory of the instance.

- 2. Start the DB2 command line processor. On Windows, issue the db2cmd command from a command prompt. On UNIX, issue the db2 command from a command prompt.
- 3. Type the following command on the client to connect to the remote database: db2 => connect to database_alias user userid

For example, enter the following command:

connect to mysample user jtris

You will prompted to enter your password.

If the connection is successful, you receive a message showing the name of the database to which you have connected. A message similar to the following is given:

```
Database Connection Information
Database server = DB2/NT 8.1.0
SQL authorization ID = JTRIS
Local database alias = mysample
```

You can now work with the database. For example, to retrieve a list of all the table names listed in the system catalog table, enter the following SQL statement:

select tabname from syscat.tables

An implicit connection occurs when you issue an SQL statement followed by the db2 terminate command. To define a default database, run the db2set db2dbdft = <dbname> command. After running this command, you can, for example, run the db2 select * from command without first connecting to a database. This command uses the value defined in **db2dbdft**. To connect to a database other than the default, you must use the CONNECT command to explicitly connect to the database of your choice.

When you are finished using the database connection, enter the connect reset command to end the database connection.

Related reference:

- "db2start Start DB2 Command" in the Command Reference
- "db2set DB2 Profile Registry Command" in the Command Reference

Part 6. Appendixes

Appendix A. Language support

Changing the DB2 interface language (Windows)

The interface language of DB2 is the language that appears in messages, help, and graphical tool interfaces. When installing DB2, you have the option of installing support for one or more languages. If, at some time after installation, you want to change the interface language for DB2 to one of the other installed interface languages, use the steps outlined in this task.

Do not confuse languages supported by DB2 with languages supported by the DB2 interface. Languages supported by DB2, that is, languages that *data* can exist in, are a superset of languages supported by the DB2 interface.

Prerequisites:

The DB2 interface language you want to use must be installed on your system. DB2 interface languages are selected and installed when you install DB2 using the DB2 Setup wizard. If you change the interface language of DB2 to a supported interface language that has not been installed, the DB2 interface language will default to the operating system language first, and if that is not supported, English.

Procedure:

Changing the interface language for DB2 on Windows requires that you change the default language setting for your Windows operating system.

To change the DB2 interface language on Windows:

- 1. Through the Control Panel on your Windows operating system, select **Regional Options**.
- 2. In the Regional Options dialog window, change the default language setting for the system to the language in which you want to interface with DB2.

Refer to your operating system help for additional information about changing the default system language.

Related reference:

- "Supported territory codes and code pages" in the Administration Guide: Planning
- "Supported DB2 interface languages" on page 284

Changing the DB2 interface language (UNIX)

The interface language of DB2 is the language that appears in messages, help, and graphical tool interfaces. When installing DB2, you have the option of installing support for one or more languages. If, at some time after installation, you want to change the interface language for DB2 to one of the other installed interface languages, use the steps outlined in this task.

Do not confuse languages supported by DB2 with languages supported by the DB2 interface. Languages supported by DB2, that is, languages that *data* can exist in, are a superset of languages supported by the DB2 interface.

Prerequisites:

Support for the DB2 interface language you want to use must be installed on your system. DB2 interface language support is selected and installed when you install DB2 using the DB2 Setup wizard. If you change the interface language of DB2 to a supported interface language that has not been installed, the DB2 interface language will default to the operating system language first, and if that is not supported, English.

Procedure:

To change the DB2 interface language on UNIX systems, set the LANG environment variable to the desired locale.

For example, to interface with DB2 in French using DB2 for AIX, you must have French language support installed and you must set the LANG environment variable to a French locale, for example, fr_FR.

Related reference:

- "Supported territory codes and code pages" in the Administration Guide: Planning
- "Supported DB2 interface languages" on page 284

Supported DB2 interface languages

DB2 language support for DB2 interfaces can be categorized into server group languages and client group languages. Server group languages will translate most messages, help, and DB2 graphical interface elements. Client group languages will translate the DB2 Run-Time Client component, which will include most messages and certain help documentation.

Server group languages include: Brazilian Portuguese, Czech, Danish, Finnish, French, German, Italian, Japanese, Korean, Norwegian, Polish, Russian, Simplified Chinese, Spanish, Swedish, and Traditional Chinese.

Client group languages include: Arabic, Bulgarian, Croatian, Dutch, Greek, Hebrew, Hungarian, Portuguese, Romanian, Slovak, Slovenian, and Turkish.

Do not confuse languages supported by DB2 with languages supported by the DB2 interface. Languages supported by DB2 that is, languages that *data* can exist in, are a superset of languages supported by the DB2 interface.

Related tasks:

- "Changing the diagnostic error level before DB2 migration" in the *Quick Beginnings for DB2 Servers*
- "Changing the DB2 interface language (Windows)" on page 283
- "Changing the DB2 interface language (UNIX)" on page 283

Related reference:

- "National language versions" in the Administration Guide: Planning
- "Supported territory codes and code pages" in the Administration Guide: Planning

- "Conversion tables for code pages 923 and 924" in the *Administration Guide: Planning*
- "Conversion table files for euro-enabled code pages" in the *Administration Guide: Planning*

Language identifiers for running the DB2 Setup wizard in another language

If you want to run the DB2 Setup wizard in a language different from the default language on your computer, you can start the DB2 Setup wizard manually, specifying a language identifier. The language must be available on the platform where you are running the installation.

Language	Language identifier
Arabic	ar
Brazilian Portuguese	br
Bulgarian	bg
Chinese, Simplified	cn
Chinese, Traditional	tw
Croatian	hr
Czech	CZ
Danish	dk
Dutch	nl
English	en
Finnish	fi
French	fr
German	de
Greek	el
Hebrew	iw
Hungarian	hu
Italian	it
Japanese	jp
Korean	kr
Norwegian	no
Polish	pl
Portuguese	pt
Romanian	ro
Russian	ru
Slovak	sk
Slovenian	sl
Spanish	es
Swedish	se
Turkish	tr

Table 6. Language identifiers

Displaying the db2setup command in your national language

The db2setup command queries the operating system to determine the existing language settings. If the language setting of your operating system is supported by db2setup, then that language will be used.

If your system uses the same code pages but different locale names than those supported by the DB2 interface, you can still see the translated db2setup by setting your LANG environment variable to the appropriate value by entering the following command:

export LANG= <locale> where locale is a locale supported by the DB2 interface.

For example, if your Linux system's default locale is ja_JP.ujis and the codepage of ja_JP.ujis is 954, you can set your LANG environment variable to ja_JP.eucJP by issuing the following command, assuming you are using Bourne shell (or a variant):

export LANG=ja_JP.eucJP

The db2setup command will now be displayed in Japanese (in codepage 954).

Note: The db2setup command can be translated into a subset of the languages supported by the DB2 product you are installing.

Related reference:

- "Supported DB2 interface languages" on page 284
- "db2setup Install DB2 Command" in the Command Reference
- "setup Install DB2 Command" in the Command Reference

Appendix B. Mounting the DB2 product CD-ROM (UNIX)

Mounting the CD-ROM (AIX)

Prerequisites:

Root authority is required to perform this task.

Procedure:

To mount the CD-ROM on AIX using the System Management Interface Tool (SMIT), perform the following steps:

- 1. Log in as a user with root authority.
- 2. Insert the CD-ROM in the drive.
- **3**. Create a CD-ROM mount point by entering the mkdir -p /cdrom command, where cdrom represents the CD-ROM mount point directory.
- 4. Allocate a CD-ROM file system using SMIT by entering the smit storage command.
- After SMIT starts, select File Systems —> Add / Change / Show / Delete File Systems —> CDROM File Systems —> Add CDROM File System.
- 6. In the Add a File System window:
 - Enter a device name for your CD-ROM file system in the **DEVICE Name** field. Device names for CD-ROM file systems must be unique. If there is a duplicate device name, you may need to delete a previously-defined CD-ROM file system or use another name for your directory. In our example, we will use /dev/cd0 as the device name.
 - Enter the CD-ROM mount point directory in the **MOUNT POINT** window. In our example, the mount point directory is /cdrom.
 - In the **Mount AUTOMATICALLY at system restart** field, select yes to enable automatic mounting of the file system.
 - Click OK to close the window, then click Cancel three times to exit SMIT.
- 7. Next, mount the CD-ROM file system by entering the smit mountfs command.
- 8. In the Mount a File System window:
 - Enter the device name for this CD-ROM file system in the **FILE SYSTEM name** field. In our example, the device name is /dev/cd0.
 - Enter the CD-ROM mount point in the **Directory over which to mount** field. In our example, the mount point is /cdrom.
 - Enter cdrfs in the **Type of Filesystem** field. To view the other kinds of file systems you can mount, click **List**.
 - In the Mount as READ-ONLY system field, select yes.
 - Accept the remaining default values and click OK to close the window.

Your CD-ROM file system is now mounted. To view the contents of the CD-ROM, place the disk in the drive and enter the cd /cdrom command where cdrom is the CD-ROM mount point directory.

Mounting the CD-ROM (Linux)

Prerequisites:

Root authority is required to perform this task.

Procedure:

To mount the CD-ROM on Linux:

- 1. Log in as a user with root authority.
- Insert the CD-ROM in the drive and enter the following command: mount -t iso9660 -o ro /dev/cdrom /cdrom

where /cdrom represents the mount point of the CD-ROM.

3. Log out.

Your CD-ROM file system is now mounted. To view the contents of the CD-ROM, place the disk in the drive and enter the cd /cdrom command where cdrom is the CD-ROM mount point directory.

Related concepts:

• "Multiple DB2 level installations" in the Installation and Configuration Supplement

Related reference:

• "DB2 product license files" in the Installation and Configuration Supplement

Mounting the CD-ROM (Solaris Operating Environment)

Prerequisites:

If you are mounting the CD-ROM drive from a remote system using NFS, the CD-ROM file system on the remote computer must be exported with root access. You must also mount that file system with root access on the local computer.

Procedure:

To mount the CD-ROM on Solaris Operating Environment:

- 1. Log in as a user with root authority.
- 2. Insert the CD-ROM into the drive.
- 3. If the Volume Manager (vold) is running on your system, the CD-ROM is automatically mounted as /cdrom/*cd_label* if the CD has a label or /cdrom/unnamed_cdrom if it is unlabeled.

If the Volume Manager is not running on your system, complete the following steps to mount the CD-ROM:

a. Determine the name of the device by entering the following command:

ls -al /dev/sr* |awk '{print "/" \$11}'

This command returns the name of the CD-ROM device. In this example, the command returns the string /dev/dsk/c0t6d0s2.

- b. Enter the following commands to mount the CD-ROM:
 - mkdir -p /cdrom/unnamed_cdrom mount -F hsfs -o ro /dev/dsk/c0t6d0s2 /cdrom/unnamed_cdrom

where /dev/dsk/c0t6d0s2 represents the name of the device that was returned in the preceding step and /cdrom/unnamed_cdrom represents the CD-ROM mount directory.

- **Note:** If you are mounting the CD-ROM drive from a remote system using NFS, the CD-ROM file system on the remote machine must be exported with root access. You must also mount that file system with root access on the local machine.
- 4. Log out.

Your CD-ROM file system is now mounted. To view the contents of the CD-ROM, place the disk in the drive and enter the cd /cdrom command where cdrom is the CD-ROM mount point directory.

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