



IBM Directory Server Version 4.1 QuickStart



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Note

Before using this information and the product it supports, read the general information under "Notices" on page 11.

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This edition applies to version 4, release 1, of The IBM Directory and to all subsequent releases and modifications until otherwise indicated in new editions.

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Preface

This document describes how to install IBM® Directory version 4.1 through the InstallShield GUI, for the following platforms:

- Windows NT® 4.0, Windows® 2000
- AIX® 4.3.3 or higher
- Linux RedHat 7.1
- Linux SuSe 7.2
- Solaris 7 + 8

To install IBM Directory on Linux 390, TurboLinux 6.5, or Hewlett-Packard platforms, see the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms*.

IBM Directory version 4.1 requires any platform to have a minimum 256MB memory.

This document is not intended to be used in a Network Information Service (NIS) environment.

This document is not intended to be used on an RS/6000® SP™ environment node. See the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms* for more information.

This document is not intended to be used in an HACMP environment.

If you have a previous version of IBM Directory installed, do not use this document. See the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms*.

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Chapter 1. Installing using InstallShield GUI

InstallShield GUI has two installation options: Typical and Custom. This QuickStart focuses on the Typical installation. For the Custom installation, see the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms*.

Typical installation uses default settings.

Note: Windows NT and Windows 2000 platforms are installed and configured when the InstallShield GUI is used. All other platforms must use the configuration tool, `ldapxcfg`, for configuration after installation. See Chapter 2, “IBM Directory Configuration (`ldapxcfg`)” on page 5 for more information.

Note: On UNIX[®] systems, you must be logged in as **root**. On Windows NT and Windows 2000 systems, you must be logged on as an Administrator ID.

Note: If you install IBM Directory version 4.1 and its components using InstallShield GUI, you must uninstall IBM Directory, if necessary, using the InstallShield GUI. See the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms* for more information.

Installing IBM Directory version 4.1 on a Windows NT and Windows 2000 platform

Windows 2000 Service Pack 2 users must perform the following before installation:

1. Go to **Start->Run...** and type `secpol.msc`.
2. Double-click **Local Policies**.
3. Double-click **User Rights Assignments**.

At this point, a list of policies is displayed. The user needs to add the Administrator group to the following policies:

- Act as part of the operating system
- Increase quotas
- Replace a process level token

Do the following to add the Administrator group to these policies:

1. Right-click on the appropriate policy, and click **Security...**
2. Click **Add...** in the new window.
3. Select the **Administrators** group in the scrollbox, then click **Add...**
4. Click **OK**.
5. Click **OK** again to exit.

Repeat these procedures for each of the three previous policies. When finished, restart your computer.

To begin installing IBM Directory version 4.1 on a Windows NT and Windows 2000 platform:

1. Insert the CD in your CD-ROM drive. If the installer does not automatically start, click **Start->Run**. Depending on whether you are installing locally from a CD or remotely from the network, select the drive for your CD-ROM or for

the appropriate network path and then select the package you want to install, for example, SSL-enabled or non-SSL-enabled. Double-click the **Setup.exe** icon. The Language panel is displayed.

Note: This is the language used in the installation wizard, not in the IBM Directory. You choose the language used in the IBM Directory in step 6.

2. Select the language you want to use during IBM Directory installation. Click **OK**.

Note: If a previous version of IBM Directory is installed on your system, see "Migration" in the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms*.

3. To continue with the installation, click **Next**.
4. After reading the Software license, click **I accept the terms in the license agreement**. Click **Next**.
5. Any previously installed components and corresponding version levels are displayed. Click **Next**.
6. Select the language you want to use in IBM Directory 4.1. Click **Next**.
7. To install to the default directory, click **Next**.
8. Select **Typical** installation. Click **Next**.
9. The following list displays:
 - Client SDK 4.1
 - DMT 4.1 and Java™ 1.3
 - Server 4.1

Select the features you want to install. Click **Next**.

Note: If you select to install the Server, you must select to install both the Client and the DMT.

10. If you selected **Server 4.1** in step 9, continue here. If you did not select **Server 4.1** in step 9, go to step 12.

Do one of the following only:

- If you have more than one Web server installed and you selected to install Server 4.1, select which Web server you want IBM Directory to use and click **Next**. Enter the full pathname of the Web server configuration file for the Web server. Click **Next**.
- If you have only one Web server installed, enter the full pathname of the Web server configuration file for the Web Server. Click **Next**.
- If you are installing Server 4.1, and you have no Web server installed, the IBM HTTP Web server is installed. A panel appears that prompts you for the Windows user ID and password of an existing Windows administrator ID. After entering the user ID and password, click **Next**.

Enter a distinguished name and password. The default distinguished name is **cn=root**. Enter the password again to confirm.

Note: Record this password for future reference.

Note: The IBM Directory administrator DN must contain **cn=** as part of the DN.

The IBM Directory administrator DN is the DN used by the directory's administrator.

11. Enter a Windows user ID and password for the DB2[®] system ID. If you are using an existing Windows user ID, be sure your password is correct. The user ID default is **db2admin**. Type the password. Type the password again to confirm.

Note: This panel does not appear if you already have a supported version of DB2 on your machine.

Note: If you have an existing Windows user ID for the DB2 system ID, you must enter the correct password for the ID here in order to install the DB2 correctly.

12. Click **Next**. A screen summarizing the components selected for installation and configuration is displayed. If you wish to change any of your selections, click **Back**. To begin installation, click **Next**.

Note: Any corequisite products needed by IBM Directory, such as DB2 or a Web server, are automatically installed. These products are listed in the summary described in this step.

13. After the files are installed, the Client README opens. If you installed the server, the Server README is also available. Click **Next** from the Client README to open the Server README. Click **Next**.

14. The reboot panel is displayed. You can select to reboot now or later. Click **Next**.

15. Click **Finish**. If in the previous step you selected to reboot your computer now, the computer starts the reboot immediately.

Note: You must restart your system to complete the IBM Directory configuration and to create the DB2 database. You are unable to use the IBM Directory product until this is completed. During the restart, the configuration panel is displayed.

16. You have completed a Typical installation and configuration.

17. Verify the installation configuration of the IBM Directory server. See Chapter 3, "Loading a sample database" on page 7.

Installing IBM Directory version 4.1 on a UNIX-based platform

To begin installing IBM Directory 4.1 on a UNIX-based platform:

1. Go to the root directory on your CD. Invoke **setup**. The Language panel is displayed.

Note: This is the language used in the installation wizard, not in the IBM Directory. You choose the language used in the IBM Directory in step 6 on page 4.

2. Select the language you want to use during IBM Directory installation. Click **OK**.

Note: If a previous version of IBM Directory is installed on your system, see "Migration" in the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms*.

3. To continue with the installation, click **Next**.
4. After reading the Software license, click **I accept the terms in the license agreement**. Click **Next**.
5. Any preinstalled components and corresponding version levels are displayed. Click **Next**.
6. Select the language you want to use in IBM Directory 4.1. Click **Next**.
7. Select **Typical** installation. Click **Next**.
8. The following list displays:
 - Client SDK 4.1
 - DMT 4.1 and Java 1.3
 - Server 4.1

Select the features you want to install. Click **Next**

Note: If you select to install the Server, you must select to install both the Client and the DMT.

9. A screen summarizing the components selected for installation and configuration is displayed. If you wish to change any of your selections, click **Back**. To begin installation, click **Next**.

Note: Any corequisite products needed by IBM Directory, such as DB2 or a Web server, are automatically installed. These products are listed in the summary described in this step.

10. After the files are installed, the Client README opens. If you installed the server, the Server README is also available. Click **Next** from the Client README to open the Server README.
11. Click **Finish**.
12. You have completed a Typical installation. To configure the IBM Directory, see Chapter 2, "IBM Directory Configuration (ldapxcfg)" on page 5.

Chapter 2. IBM Directory Configuration (Ildapxcfg)

This configuration utility is not necessary if you are installing IBM Directory version 4.1 on a Windows NT and Windows 2000 system. The InstallShield GUI configures the IBM Directory for Windows NT and Windows 2000.

Note: You can reconfigure IBM Directory for Windows NT and Windows 2000 using the Ildapxcfg utility, if necessary.

Configuration of an IBM Directory consists of setting the IBM Directory administrator DN, configuring a database, and configuring a Web server for IBM Directory.

Setting the IBM Directory administrator DN and password

To set the IBM Directory administrator DN and password:

1. Select **Set the directory administrator name and password**, and then click **Next**.

Note: The IBM Directory administrator DN must contain **cn=** as part of the DN.

2. Type the IBM Directory administrator DN (or accept the default DN), type in a password, and retype to confirm the password.

Note: Record this password for future reference.

3. Click **Next**.
4. Review the Configuration Summary panel, and then click **Configure**.
5. The Configuration Completion panel is displayed. Click **OK**.

Configuring a directory database

To configure a directory database:

1. Select **Create the directory DB2 database**. Click **Next**.
2. Select **Create a default directory DB2 database** or **Use my own DB2 database** (this selection is also referred to as a custom database). For information on creating a custom database, see "Appendix C. Creating a database manually" in the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms*. The default directory selections are recommended.
3. Click **Next**.
4. For the default database selections: If prompted, select **Create a Universal DB2 database (UTF-8)** to create the database in the Universal Character Set, or select **Create a local codepage DB2 database** to create the database in the local codepage. You can also select **Create a database for Change Log support** to enable the change log.
5. If prompted, specify the directory where you want the database to reside, or accept the default directory. Click **Next**.

Note: Select a drive with at least 80 MB of free space.

6. If you selected **Use my own DB2 database**, fill in the four required fields. Click **Next**.

7. The Configuration Completion panel is displayed. Click **OK**.

Configuring a Web server

To configure a Web server:

1. Ensure that the Web server is installed.
2. Select **Configure a web server for directory server administration**.
3. Click **Next**.
4. Choose the appropriate Web server.
5. Click **Next**.
6. If prompted, enter the full pathname of the Web server configuration file.

Note: Make note of the pathname of the Web server configuration file. Click **Next**.

7. Review the **Configuration Summary** panel, and then click **Configure**.
8. The **Configuration Completion** panel is displayed. Make note of the administration Web address, and then click **OK**.
9. Stop the Web server. Restart the Web server. For more information on this, see the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms*.
10. Verify the installation configuration of the IBM Directory server. See Chapter 3, "Loading a sample database" on page 7.

Chapter 3. Loading a sample database

The following information enables you to load a sample database and start the IBM Directory server.

Note: This information does not apply to Linux platforms or HP platforms. To install a sample database on a Linux platform or on an HP platform, see the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms*.

1. Using a Web browser, connect to `http://hostname/ldap`, then log on as the IBM Directory administrator DN.

Note: `hostname` is the name of the machine you installed the IBM Directory on.

Note: Some Web servers might require you to specify `index.html` in the Web address. If you are unable to get to the Server Administration tool with `http://hostname:portnumber/ldap`, try `http://hostname:portnumber/ldap/index.html`. The default port number is 80.

2. You are presented with the **IBM Directory Server Administration** panel.
3. Enter your IBM Directory administrator ID.
4. Click **Logon**.
5. Click **Settings** in the left navigation bar. Click **Suffixes**.
6. Enter a **Suffix DN**.

Note: You must enter `o=ibm,c=us`.

7. Click **Update**.
8. Click **Database** in the left navigation bar. Click **Import LDIF**.
9. Verify that **Path and file name** is the correct path where you installed IBM Directory. The path name must specify `sample.ldif`.
10. Click **Import**. If successful, you receive the following message in **Completed task messages**:
 x entries have been successfully added out of x attempted.
11. Click **Current State**.
12. Click **Start/Stop**.
13. Click **Start**. You see the following message:
The directory server is running.

You have verified that the sample database is loaded correctly, and that the installation is successful.

Chapter 4. Troubleshooting

If you are having problems installing or configuring the IBM Directory version 4.1 product, refer to the *IBM Directory Server Version 4.1 Installation and Configuration Guide for Multiplatforms*.

Appendix. Notices

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