Installation and Administration Guide

iPlanet Delegated Administrator for Messaging and Collaboration

Release 1.1

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Contents

About This Guide

This manual explains how to install and administer the iPlanet Delegated Administrator for Messaging and Collaboration 1.1. iPlanet Delegated Administrator provides a powerful and flexible cross-platform solution to the email needs of enterprises and messaging hosts of all sizes using open Internet standards.

Topics covered in this chapter include:

- Who Should Read This Book
- What You Need to Know
- How This Book is Organized
- Document Conventions
- Where to Find Related Information
- Where to Find This Book Online

Who Should Read This Book

You should read this book if you are responsible for installing and administering the iPlanet Delegated Administrator for Messaging and Collaboration 1.1 at your site.

What You Need to Know

This book assumes that you are responsible for installing and administering the iPlanet Delegated Administrator software and that you have a general understanding of the following:

*   The Internet and the World Wide Web

*   iPlanet Directory Server and LDAP

*   Netscape Console

How This Book is Organized

This book contains the following chapters and appendix:

*   About This Guide (this chapter)

*   Chapter 1, "Pre-Installation Issues and Instructions"

*   Chapter 2, "Installation Instructions"

*   Chapter 3, "Administering the iPlanet Delegated Administrator"

Document Conventions

Monospaced Font

`Monospaced font` is used for any text that appears on the computer screen or text that you should type. It is also used for filenames, distinguished names, functions, and examples.

Bold Monospaced Font

`Bold monospaced font` is used to represent text within a code example that you should type. For example, you might see something like this:

```
./setup
Sun-Netscape Alliance
iPlanet Server Products Installation/Uninstallation
-----------------------------------------------------------------

Welcome to the iPlanet Server Products installation program. This
program will install iPlanet Server Products and the iPlanet Console
on your computer.

It is recommended that you have "root" privilege to install the
software.

Tips for using the installation program:

- Press "Enter" to choose the default and go to the next screen
- Type "Control-B" to go back to the previous screen
- Type "Control-C" to cancel the installation program
- You can enter multiple items using commas to separate them.
For example: 1, 2, 3

Would you like to continue with installation? [Yes]:
```

In this example, `./setup` is what you would type from the command line and the rest is what would appear as a result.

Italicized Font

Italicized font is used to represent text that you enter using information that is unique to your installation (for example, variables). It is used for server paths and names and account IDs.

For example, throughout this document you will see path references of the form:

server-root/msg-*serverID*/...

In these situations, *server-root* represents the directory path in which you install the server, and msg-*serverID* represents the server instance you use when you install it. For example, if you install your server in the directory /usr/iplanet/server5 and use the server instance tango, the actual path is:

/usr/iplanet/server5/msg-tango/

Square or Straight Brackets

Square (or straight) brackets `[ ]` are used to enclose optional parameters. For example, in this document you will see the usage for the `setup` command described as follows:

```
./setup [options] [argument]
```

It is possible to run the `setup` command by itself as follows to start the Messaging Server installation:

```
./setup
```

However, the presence of `[options]` and `[arguments]` indicate that there are additional optional parameters that may be added to the `setup` command. For example, you could use `setup` command with the `-k` option to keep the installation cache:

```
./setup -k
```

Command Line Prompts

Command line prompts (for example, `%` for a C-Shell, or `$` for a Korn or Bourne shell) are not displayed in the examples. Depending on which operating system environment you are using, you will see a variety of different command line prompts. However, you should enter the command as it appears in the document unless specifically noted otherwise.

Where to Find Related Information

In addition to this guide, iPlanet Delegated Administrator for Messaging and Collaboration 1.1 comes with supplementary information for administrators as well as documentation for end users and developers. Use the following URL to see all the Messaging Server documentation:

```
http://docs.iplanet.com/docs/manuals/messaging.html
```

Where to Find This Book Online

You can find the *iPlanet Delegated Administrator for Messaging and Collaboration Installation and Administration Guide.* online in PDF and HTML formats. To find this book, use this URL:

```
http://docs.iplanet.com/docs/manuals/messaging.html
```

Pre-Installation Issues and Instructions

This chapter includes the following sections:

*   "Product Requirements and Limitations"

*   "Pre-Installation Procedures"

Product Requirements and Limitations

This section describes the minimum system requirements for installing the iPlanet Web Server and iPlanet Delegated Administrator for Messaging and Collaboration 1.1 on one computer system. It also describes the limitations of the iPlanet Delegated Administrator

Software Requirements

*   One of the following operating environments:
    *   Solaris 2.x
    *   HP-UX 11.0
    *   Windows NT with Service Pack 6.0 or higher

*   iPlanet Messaging Server 5.1

*   iPlanet Directory Server 4.13

*   iPlanet Web Server 4.1 SP7 (Service Pack 7)

*   Web Browser requirements:

❍ Netscape Communicator 4.76 or higher

❍ Microsoft Internet Explorer 5.0 Service Pack x.x or higher

Hardware Requirements

The hardware requirements are similar to the iPlanet Web Server's hardware requirements. The following are the minimum system requirements for:

- A minimum of 128 MB RAM.

- A minimum of 150 MB hard disk space for the installed server files, although double (2x) this amount is required during the installation process. After installation you can remove the installer files.

- Swap space at least as large as the amount of RAM (twice the amount of RAM is recommended).

Product Limitations

- Requires fresh installation of the Messaging Server and Directory Server. This product will not work on a directory with existing entries.

- Cannot upgrade from an older version of the iPlanet Delegated Administrator to the iPlanet Delegated Administrator for Messaging and Collaboration 1.1.

- Will only work with user or group entries provisioned using the iPlanet Delegated Administrator command line interface, the iPlanet Delegated Administrator GUI, or the *iPlanet Messaging Server Provisioning Guide.* Follow the guidelines in the provisioning guide to upgrade existing entries for use with the iPlanet Delegated Administrator.

Pre-Installation Procedures

Before proceeding with the installation instructions for the iPlanet Delegated Administrator for Messaging and Collaboration 1.1 you must complete the following:

- Install the iPlanet Messaging Server and **record the parameters entered at installation** (see the *iPlanet Messaging Server Installation Guide*) in the table below.

Part of the iPlanet Delegated Administrator installation procedures consist of installing the iPlanet Enterprise Server (Web Server) and noting the install parameters (see "Step 4: Install or Upgrade to iPlanet Web Server 4.1 SP7," on page 9). The table below lists all the attributes you will need to collect for iPlanet Delegated Administrator installation. Write these attributes in the blank spaces. These will be used during the iPlanet Delegated Administrator installation described in the follow chapter.

Table 1-1   Required Information Sheet for iPlanet Delegated Administrator Installation.

Parameter	Specified During	Value
Messenger Express (Webmail) Port Number	Messaging Server installation	Example: 80 (must not conflict with Web Server Port, see "Step 4: Install or Upgrade to iPlanet Web Server 4.1 SP7) Port Number:_____
Messaging Server Administrator	Admin Server portion of Messaging Server installation	Example: UID: ServiceAdmin Password: PaSsWoRd UserID: _____ Password: _____
Messaging Server host name (fully qualified)	Messaging Server installation	Example: galaxy.siroe.com Host:_____
Administration Server host (for the Messaging Server) and its port number	Admin Server portion of Messaging Server installation	Example: galaxy.siroe.com:1210 Host/Port:_____
Web Server Port	Web Server install (see "Step 4: Install or Upgrade to iPlanet Web Server 4.1 SP7," on page 9	Example: 2001 (must not conflict with Web Mail Port!) Web Server Port:_____
Web server config directory	Web Server install (see "Step 4: Install or Upgrade to iPlanet Web Server 4.1 SP7," on page 9	Example: /home/es/https-webserver1/config Directory:_____

Table 1-1 Required Information Sheet for iPlanet Delegated Administrator Installation.

Parameter	Specified During	Value
LDAP server host (fully qualified) and port number containing user/group data	Directory portion of Messaging Server installation	Example: kimura.siroe.com:389 Host/Port:_____
Directory Manager base DN and password	Directory portion Messaging Server installation	Example: cn=Directory Manager; PaSsWoRd DN/Password:_____
Suffix for user data. Root Under organization tree containing user data.	Directory portion Messaging Server installation	Example: o=iplanet.com Suffix:_____

Installation Instructions

This chapter includes the following sections:

- "Step 1: Install the iPlanet Messaging Server 5.1 and Record Your Installation Parameters"

- "Step 2: Configure the Directory Server Plug-ins"

- "Step 3: Configure the Directory Server"

- "Step 4: Install or Upgrade to iPlanet Web Server 4.1 SP7"

- "Step 5: Install Delegated Administrator"

- "Using the Delegated Administrator"

Table 2-1 summarizes the installation steps and where to find the detailed instructions for these steps.

Table 2-1   Summary of Delegated Administrator Installation Procedures

Installation Step	Where to Find Detailed Instructions
1. Install the iPlanet Messaging Server 5.1.	Refer to the *iPlanet Messaging Server Installation Guide*. Note that this step also installs the iPlanet Directory Server 4.13.
2. Configure Directory Server plug-ins.	See "Step 2: Configure the Directory Server Plug-ins" on page 6.
3. Configure Directory Server.	See "Step 3: Configure the Directory Server" on page 7.
4. Install the iPlanet Web Server, Enterprise Edition, 4.1 SP7 on the same machine as the iPlanet Delegated Administrator.	On the same CD as the iPlanet Delegated Administrator. See the Web Server 4.1 Installation Guide, at `http://docs.iplanet.com/docs/manuals/enterprise.html#41`
5. Install iPlanet Delegated Administrator.	See "Step 5: Install Delegated Administrator"

Step 1: Install the iPlanet Messaging Server 5.1 and Record Your Installation Parameters

See the *iPlanet Messaging Server Installation Guide*. Record you installation parameters, especially those listed in Table 1-1 on page 3.

Step 2: Configure the Directory Server Plug-ins

Before you can install the Delegated Administrator, you may wish to configure two optional plug-ins. The plug-ins are automatically installed with Directory Server 4.13, but need to be activated by modifying the SLAPD configuration file. The plug-ins are described below:

Class of Service. This plug-in determines a user's specific configuration values and resource limits based on a Class of Service attribute in the user entry. For more information see the Class of Service section in Chapter 6 of the *iPlanet Delegated Administrator 4.5 Deployment and Customization Guide.*

Directory Entry Counts. This plug-in automatically maintains count values for domains, groups, or users that are added to or deleted from the directory. This provides you with an up-to-date count of the number of entry types.

To Configure the Directory Server Plug-ins

1. Stop the Directory Server.

2. In each instance of Directory Server that you plan to use with Delegated Administrator, modify the following file (where *NSHOME* is the installation Directory root for the Messaging Server):

   NSHOME/slapd-*host_identifier*/config/slapd.ldbm.conf

   a. If you want to enable the Class of Service feature, remove the comments from the following lines by deleting the pound sign (#) at the beginning of the lines:

      ```
      #plugin postoperation on "Class of Service"
      Directory_root/lib/cos-plugin.so cos_init o=iplanet.com
      ```

      ```
      #plugin preoperation on "Class of Service init"
      Directory_root/lib/cos-plugin.so cos_preop_init
      ```

      If the above two lines are missing, add them to the file without the comment characters.

    b. Perform one of the following in order to include the counter plug-ins:

        I. If the following line exists in the file, be sure it is commented out:

```
#include "Directory_root/slapd-rtfm/config/counters.ldbm.conf"
```

        II. Add the contents of this file:

```
Directory_root/slapd-identifier/config/counters.ldbm.conf
```

3. Start the Directory Server.

Step 3: Configure the Directory Server

Optimizing page handling and search performance is recommended, but not required for all Delegated Administrator installations. Modifying the user entries is absolutely required if you've already provisioned your directory with users and groups. Follow the guidelines in the *iPlanet Messaging Server Provisioning Guide* to upgrade existing entries for use with the iPlanet Delegated Administrator.

Optimizing Page Handling and Search Performance

You can optimize Delegated Administrator page handling and search performance by modifying the Directory Server configuration. The following measures are necessary when any domain in your directory exceeds 5000 users.

- Add indexes for the `memberof` attributes.

- Reset the `lookthroughlimit` parameter.

- Reset `sizelimit` parameters.

- Set the All ID Threshold value appropriately.

To add appropriate indexes to your Directory:

1. Using Netscape Console, in the Directory Server window, select the Configuration tab and then click the Database icon.

2. Select the Indexes tab in the right pane.

3. To add the `memberof` attribute, click Add Attribute, and then do the following:

      a. In the Select Attributes window, select the `memberof` attribute and then click OK.

      b. In the Additional Indexes list, select the nsdadomain attribute and then check the boxes for Equality, Presence, and Substring.

4. Click Save.

To reset the lookthroughlimit:

1. Using Netscape Console, in the Directory Server window, select the Configuration tab and then select Database in the left pane.

2. Select the Performance tab in the right pane.

3. In the Look Through Limit field, enter -1.

4. Click Save.

To reset the sizelimit parameter:

1. Using Netscape Console, in the Directory Server window, select the Configuration tab and then select the root entry in the navigation tree in the left pane.

2. Select the Performance tab in the right pane.

3. In the Size Limit field, enter -1.

4. Click Save.

Setting the All IDs Threshold Value

By default, the directory server is set to an All IDs threshold of 4000. For Delegated Administrator, this value should be just higher than the number of users in your directory. For detailed information on changing this value, see the Managing All IDs Threshold section in Chapter 7 of the *Directory Server Administrator's Guide* at `http://docs.iplanet.com/docs/manuals/directory/41/admin/index1.htm#1053642`

Step 4: Install or Upgrade to iPlanet Web Server 4.1 SP7

iPlanet Web Server 4.1 SP7 and iPlanet Delegated Administrator for Messaging and Collaboration 1.1 must be installed on the same computer system. On Solaris, the Web server is on the CD at `/solaris/ES`. For HP-UX, the Web server is on the CD at `/hpux/ES`. For Windows NT, it is on the CD at `/ntx86/ES`.

If you do not have iPlanet Web Server 4.1 SP7 installed, install it now. If you have a pre-4.1 Web Server installed, you must upgrade the server to the 4.1 SP7 version. Follow the instructions in the Web Server 4.1 Installation Guide, available at `http://docs.iplanet.com/docs/manuals/enterprise.html#41`. During installation, you do not have to specify a Directory Server when prompted for one.

NOTE	The iPlanet Web Server port must not be assigned to the same port as the Messenger Express (Web Mail) port, which was specified during the Messaging Server installation. Be sure to write down all parameters set during Web Server installation as these may be needed for configuration and iPlanet Delegated Administrator installation.

Step 5: Install Delegated Administrator

After completing the information sheet in Table 1-1 on page 3, run the Delegated Administrator install program.

UNIX Installation Instructions

Become `root` and `cd` to the installation files directory on the CD at `/solaris/iDA` and enter `./setup`. The following screens will appear during installation. **We recommend that you write the entered installation values in the underscored fields of this document or in some other secure place for future reference.**

Install Screen 1—Tips

```
------------------------------------------------------
                   Sun-Netscape Alliance
   iPlanet Delegated Administrator for Messaging and Collaboration
                   Installation/Uninstallation
------------------------------------------------------
```

Welcome to the iPlanet Delegated Administrator for Messaging and Collaboration installation program. This program will install iPlanet Server Products and the iPlanet Console on your computer.

It is recommended that you have "root" privilege to install the software.

Tips for using the installation program:
  - Press "Enter" to choose the default and go to the next screen
  - Type "Control-B" to go back to the previous screen
  - Type "Control-C" to cancel the installation program
  - You can enter multiple items using commas to separate them.
    For example: 1, 2, 3

Would you like to continue with installation? [Yes]: **Yes**

```
------------------------------------------------------
```

Yes continues with installation. **No** terminates installation process.

```
        *              *              *
```

Install Screen 2—License

```
------------------------------------------------------
                   Sun-Netscape Alliance
   iPlanet Delegated Administrator for Messaging and Collaboration
                   Installation/Uninstallation
------------------------------------------------------
```

BY INSTALLING THIS SOFTWARE YOU ARE CONSENTING TO BE BOUND BY
AND ARE BECOMING A PARTY TO THE AGREEMENT FOUND IN THE
LICENSE.TXT FILE. IF YOU DO NOT AGREE TO ALL OF THE TERMS
OF THIS AGREEMENT, PLEASE DO NOT INSTALL OR USE THIS SOFTWARE.

Do you agree to the license terms? [n]:
```
------------------------------------------------------
```

y continues. **n** terminates installation.

```
        *              *              *
```

Install Screen 3—Install Location

```
---------------------------------------------------------
                 Sun-Netscape Alliance
 iPlanet Delegated Administrator for Messaging and Collaboration
                 Installation/Uninstallation
---------------------------------------------------------
```
This program will extract the iPlanet Delegated Administrator for Messaging
and Collaboration application from the distribution media and install it into a
directory you specify.

Install location [/usr/netscape/ida10]:_____
```
---------------------------------------------------------
```

This is the location of the iPlanet Delegated Administrator installation files. It
can be placed anywhere in the directory. This parameter is required later for
administrative purposes.

     *   *   *

Install Screen 4—Enable Purge Command

```
---------------------------------------------------------
                 Sun-Netscape Alliance
 iPlanet Delegated Administrator for Messaging Installation/Uninstallation
---------------------------------------------------------
```
If you want iPlanet Delegated Administrator for Messaging to manage a
Messaging Server, you will be asked for the Messaging Server identifier
and it's Administration Server URL.

Manage Messaging Server [Yes]:
Specify Host Name [galaxy.siroe.com]: _____
Specify Admin URL: _____
Specify CGI Path [msg-galaxy/Tasks/operation]: _____
```
---------------------------------------------------------
```

Yes gives you access to the `imadmin domain/family/group/user purge`
commands. You have access to the other iPlanet Delegated Administrator
commands whether you answer **yes** or **no**, but the purge commands require
this extra information. After answering **yes**, you are prompted for the
following:

Host Name is the fully-qualified messaging server host name specified during Messaging Server installation, and should be in the Required Information Sheet for iPlanet Delegated Administrator Installation Sheet in Table 1-1 on page 3

Admin URL is the fully qualified host name and port number of the Administration Server for the Messaging Server installation. This information was specified during Messaging Server installation and should be in the iPlanet Delegated Administrator Installation Sheet in Table 1-1 on page 3. Example: `http://galaxy.siroe.com:1210`

CGI Path—use the default. Typically this is
`msg-`*`instance`*`/Tasks/operation`

`msg-`*`instance`* represents the messaging server instance. For example, if your messaging server instance is `siroe`, the path is `msg-siroe/Tasks/operation`.

If you answered **no** to the original question, you can add access to the purge commands later by adding these lines to the `resource.properties` file in *DelegatedAdmin_root*`/nda/classes/netscape/nda/servlet/`.

`MsgSvr0-name=`*fully_qualified_host_name*
`MsgSvr0-adminurl=http://`*fully_qualified_host_name*`:`*host_port*
`MsgSvr0-cgipath=msg-`*host_name*`/Tasks/operation`

*   *   *

After editing the `resource.properties` file, you must restart the enterprise server in order for the changes to take effect.

Install Screen 5—Calendar Server

```
-------------------------------------------------------
                    Sun-Netscape Alliance
 iPlanet Delegated Administrator for Messaging Installation/Uninstallation
-------------------------------------------------------
If you want iPlanet Delegated Administrator for Messaging to manage an
iPlanet Calendar Server, enter 'Yes'.

Manage Calendar Server [No]: _____
-------------------------------------------------------
```

Yes allows you to create Calendar User Entries on the GUI using the iPlanet Delegated Administrator GUI. Note that you also must have the iPlanet Calendar Server installed to create entries. If it is not installed, attempts to create calendar resources on the GUI will fail.

If you answered **no** to the original question, you can enable the creation of calendar user entries by modifying or entering the line `NDADefaultConfiguration-calendar-support=yes` in *DelegatedAdmin_root*`/nda/classes/netscape/nda/servlet/resource.proper ties`. **Enter it under the line** `#### INSTALLER ####`.

* * *

Install Screen 6—Enterprise Server

```
-------------------------------------------------------
                  Sun-Netscape Alliance
  iPlanet Delegated Administrator for Messaging Installation/Uninstallation
-------------------------------------------------------
iPlanet Delegated Administrator for Messaging requires the configuration
directory of the Enterprise server instance.  The Enterprise server must
be installed locally on this computer system, and iPlanet Delegated
Administrator for Messaging will be accessible only for this Enterprise
server instance.

    Example:  /home/es/https-machine/config

Specify Enterprise server config directory: _____
-------------------------------------------------------
```

Enter the configuration directory for the Enterprise Server (web server) instance. The configuration directory is located under the Enterprise Server root directory. Typically: *server_root_dir*`/https-`*machine_name*`/config`. This information is specified during Enterprise Server installation. See "Step 4: Install or Upgrade to iPlanet Web Server 4.1 SP7," on page 9.

* * *

Install Screen 7—LDAP Server Host & Port

```
-------------------------------------------------------
                  Sun-Netscape Alliance
  iPlanet Delegated Administrator for Messaging Installation/Uninstallation
-------------------------------------------------------
iPlanet Delegated Administrator for Messaging requires the use of a
LDAP-based Directory Server for the administration of server
configuration.  This server is called the Configuration Directory.
Enter the non-SSL URL for the directory server:
```

ldap://<host>:<port>

Specify LDAP URL: _____

This URL specifies the location of the machine and server port for the LDAP directory containing user/group data (not configuration data). This information is specified during Messaging Server installation and is in the Required Information Sheet for iPlanet Delegated Administrator Installation in Table 1-1 on page 3. Example: *ldap://galaxy.siroe.com:389*

*   *   *

Install Screen 8—Directory Manager & Password

Sun-Netscape Alliance
iPlanet Delegated Administrator for Messaging Installation/Uninstallation
----
In order to create the suffix for iPlanet Delegated Administrator for
Messaging, enter the base DN and password of the user who can access the
Directory Server.

Specify Directory Manager [cn=Directory Manager]: _____
Password: [from above]_____

Enter the base DN and password of the Directory Manager (specified during the Messaging Server installation). These values are required because the iPlanet Delegated Administrator needs to create configuration entries in the LDAP directory. This information is in the Required Information Sheet for iPlanet Delegated Administrator Installation in Table 1-1 on page 3.

*   *   *

Install Screen 9—Class of Service Plug-ins

Sun-Netscape Alliance
iPlanet Delegated Administrator for Messaging Installation/Uninstallation
----
The Directory Server that iDA uses does not have the Class of Services plugins
installed. You can continue the iDA installation now, but you need to install

the plugins later for iDA to work properly.

Continue iDA installation? [No]: Yes

If the Class of Service plug-in hasn't been installed, this warning message appears. You can continue installation and install the plug-in at any time. See "Step 2: Configure the Directory Server Plug-ins."

*   *   *

Install Screen 10—User Data Suffix

                    Sun-Netscape Alliance
  iPlanet Delegated Administrator for Messaging Installation/Uninstallation
----
iPlanet Delegated Administrator for Messaging requires a suffix to store it's user data. If this base suffix does not exist the Installation program will attempt to create it.

        Example: o=isp
        Exmaple: dc=isp, dc=com

Specify Suffix: _____

Enter the root of the organization tree specified during the directory portion of the Messaging Server installation. It is the root under which the user data is to be stored. This information is in the Required Information Sheet for iPlanet Delegated Administrator Installation in Table 1-1 on page 3.

*   *   *

Install Screen 11—DC Suffix

                    Sun-Netscape Alliance
  iPlanet Delegated Administrator for Messaging Installation/Uninstallation
----
This suffix is already present in the directory.

Continue without installing iDA information in the directory? [No]: Yes

Specify DC Suffix [o=internet]:_____

- For the first request, answer **Yes**. This parameter is for a standalone non-iMS installation. Sample data will not be installed.

- The second request is for the DC tree root that the system uses to locate domain information. This parameter is by default o=internet. Unless this parameter was reconfigured in the Messaging System, use the default.

*   *   *

Install Screen 12—Configuration Suffix

```
-------------------------------------------------------
                    Sun-Netscape Alliance
iPlanet Delegated Administrator for Messaging Installation/Uninstallation
-------------------------------------------------------
iPlanet Delegated Administrator for Messaging requires a suffix to store
it's configuration data.  If this base suffix does not exist the
Installation program will attempt to create it.

     Example: o=isp
     Exmaple: dc=isp, dc=com

Specify Suffix [o=siroe.com]:
-------------------------------------------------------
```

Use the same suffix as user data. See "Install Screen 10—User Data Suffix," on page 15.

*   *   *

Install Screen 13—URL

```
-------------------------------------------------------
                    Sun-Netscape Alliance
iPlanet Delegated Administrator for Messaging Installation/Uninstallation
-------------------------------------------------------
Extracting Netscape core components...
Extracting iPlanet Delegated Administrator for Messaging...

Restarting Enterprise Server
Connecting netscape browser to http://galaxy.siroe.com:2001/nda/start.htm

Press Return to continue...
-------------------------------------------------------
```

Remember the URL listed (example `http://galaxy.siroe.com:2001/nda/login.htm`) as you will need this to log in to the iPlanet Delegated Administrator. If you forget the port number, you can find it in *server_root_dir*/https-*machine_name*/config/magnus.conf

Windows NT Installation Instructions

Double-click on the `setup` icon located on the CD at `/ntx86/iDA`. The following screens will appear during installation. **We recommend that you write the entered installation values in the underscored fields of this document or in some other secure place for future reference.**

Install Screen 1—Welcome

```
--------------------------------------------------------
Welcome to the iPlanet Delegated Administrator for Messaging and
Collaboration setup program.

We strongly recommend that you exit all Windows programs before running
this Setup program. Click Cancel to quit Setup and then close any programs
you have running. Click Next to continue with the Setup program.

WARNING: This program is protected by copyright law and international
treaties.

Unauthorized reproduction or distribution of this program, or any
portion of it, may result in severe civil and criminal penalties, and
will be prosecuted to the maximum extent possible under law.
--------------------------------------------------------
```

Next continues with installation. **Cancel** terminates installation process. **View Readme** brings up information about iPlanet Delegated Administrator.

*   *   *

Install Screen 2—License

```
--------------------------------------------------------
To install iDA for Messaging and Collaboration, you must accept the
following license agreement. Use the scroll bars to view the rest of the
agreement
```

[*Software Evaluation Agreement is displayed*]

Do you accept all of the terms of the preceeding License Agreement?
If you choose No, the program will close.
––---

Yes continues. **No** terminates installation.

*   *   *

Install Screen 3—Install Location

––---
The setup program will install iDA for Messaging and Collaboration
in the destination directory shown below. If you want to install products
in a different directory, click Browse and choose a directory now. The
destination directory becomes the server root when installation is
complete.

When the directory you want as destination directory is shown below,
click Next.

You can choose not to proceed with installation by clicking Cancel
to exit Setup.

Installation Directory
c:\netscape\ida10   [Browse...]
––---

This is the location of the iPlanet Delegated Administrator installation files. It
can be placed anywhere in the directory. This parameter is required later for
administrative purposes.

*   *   *

Install Screen 4—Components to Install

––---
Select the products you want to install; uncheck the products
you do not want to install.

Products:
iDA for Messaging and Collaboration

Description of Selected Component
iPlanet Delegated Administrator for

Messaging and Collaboration   [Change...]

Space Required: 7MB   Space Available: 4564 MB

Make sure that "iDA for Messaging and Collaboration" is highlighted in the "Products:" list in order for it to install.

Install Screen 5—Messaging Server Information

If you want iPlanet Delegated Administrator for Messaging to manage a
Messaging Server that is already installed, enter the following information.

Manage Messaging Server

Messaging Server Information
Server Identifier: [galaxy.siroe.com]_____
Administration Server URL:
___http://galaxy.siroe.com:<Enter the Admin Server Port Number>___
CGI Path: [msg-galaxy/Tasks/Operation]_____

Checking **Manage Messaging Server** gives you access to the imadmin domain/family/group/user purge commands. You have access to the other iPlanet Delegated Administrator commands whether you check the box or not, but the purge commands require this extra information.

Server Identifier is the fully-qualified messaging server host name specified during Messaging Server installation, and should be in the Required Information Sheet for iPlanet Delegated Administrator Installation Sheet in Table 1-1 on page 3.

Administration Server URL is the fully qualified host name and port number of the Administration Server for the Messaging Server installation. This information was specified during Messaging Server installation and should be in the iPlanet Delegated Administrator Installation Sheet in Table 1-1 on page 3. Example: http://galaxy.siroe.com:1210

CGI Path—use the default. Typically this is msg-*instance*/Tasks/operation

msg-*instance* represents the messaging server instance. For example, if your messaging server instance is siroe, the path is msg-siroe/Tasks/operation.

If you unchecked **Manage Messaging Server**, you can add access to the purge commands later by adding these lines to the resource.properties file in *DelegatedAdmin_root*/nda/classes/netscape/nda/servlet/.

```
MsgSvr0-name=fully_qualified_host_name
MsgSvr0-adminurl=http://fully_qualified_host_name:host_port
MsgSvr0-cgipath=msg-host_name/Tasks/operation
```

      *   *   *

After editing the resource.properties file, you must restart the enterprise server in order for the changes to take effect.

Install Screen 6—Calendar Server

```
------------------------------------------------------
If you want iPlanet Delegated Administrator for Messaging to manage an
iPlanet Calendar Server, check the box below.

Manage Calendar Server
------------------------------------------------------
```

Checking **Manage Calendar Server** allows you to create Calendar User Entries on the GUI using the iPlanet Delegated Administrator GUI. Note that you also must have the iPlanet Calendar Server installed to create entries. If it is not installed, attempts to create calendar resources on the GUI will fail.

By default, **Manage Calendar Server** is unchecked.

If you leave **Manage Calendar Server** unchecked, you can enable the creation of calendar user entries by modifying or entering the line NDADefaultConfiguration-calendar-support=yes in *DelegatedAdmin_root*/nda/classes/netscape/nda/servlet/resource.proper ties. Enter it under the line #### INSTALLER ####.

      *   *   *

Install Screen 7—Enterprise Server

```
------------------------------------------------------
The Enterprise server must be installed locally on this computer
system. iPlanet Delegated Administrator for Messaging will be
accessible only for this Enterprise server instance.
```

Enter the full path to the Configuration Directory of the
Enterprise server instance:
___d:\iplanet\ES4.1\https-galaxy.siroe.com\config_

Enter the configuration directory for the Enterprise Server (web server)
instance. The configuration directory is located under the Enterprise Server
root directory. Typically: *server_root_dir*\https-*machine_name*\config. This
information is specified during Enterprise Server installation. See "Step 4:
Install or Upgrade to iPlanet Web Server 4.1 SP7," on page 9.

*   *   *

Install Screen 8—LDAP Server Host & Port

----
iPlanet Delegated Administrator for Messaging requires the use of a
LDAP-based Directory Server for the administration of server
configuration. This server is called the Configuration Directory.

Host Name: [galaxy.siroe.com]_____

Non-SSL Port: [389]_____

Setup will verify that this information is correct when you click
Next. Ensure that the Server Configuration Directory is running.

This URL specifies the location of the machine and server port for the LDAP
directory containing user/group data (not configuration data). This
information is specified during Messaging Server installation and is in the
Required Information Sheet for iPlanet Delegated Administrator Installation in
Table 1-1 on page 3. Example: ldap://galaxy.siroe.com:389

*   *   *

Install Screen 9—Directory Manager & Password

In order to create the suffix for iPlanet Delegated Administrator for
Messaging, enter the base DN and password of the user who can access the
Directory Server.

Base DN: __cn=Directory Manager_____

Password: _____

–––-––---

Enter the base DN and password of the Directory Manager (specified during the Messaging Server installation). These values are required because the iPlanet Delegated Administrator needs to create configuration entries in the LDAP directory. This information is in the Required Information Sheet for iPlanet Delegated Administrator Installation in Table 1-1 on page 3.

*   *   *

Install Screen 10—Class of Service Plug-ins

–––-––---

The Directory Server that iDA uses does not have the Class of Services plugins installed. You can continue the iDA installation now, but you need to install the plugins later for iDA to work properly.

Continue iDA installation? [Yes]: Yes

–––-––---

If the Class of Service plug-in hasn't been installed, this warning message appears. You can continue installation and install the plug-in at any time. See "Step 2: Configure the Directory Server Plug-ins."

*   *   *

Install Screen 11—DC Suffix

–––-––---

iPlanet Delegated Administrator for Messaging requires the Directory Server domain component (DC) tree suffix that the Delegated Administrator will manage.

If this suffix does not exist, the Installation program will attempt to create it.

Enter the suffix under which the domain component (DC) tree in the Directory Server resides.
Example: o=internet.

_____

–––-––---

This request is for the DC tree root that the system uses to locate domain information. This parameter is by default o=internet. Unless this parameter was reconfigured in the Messaging System, use the default.

*   *   *

Install Screen 12—Configuration Suffix

```
------------------------------------------------------
iPlanet Delegated Administrator for Messaging requires a suffix to store
it's configuration data.  If this suffix does not exist, the Installation
program will attempt to create it.

      Example: o=isp
      Example: dc=isp, dc=com


_____
------------------------------------------------------
```

Use the same suffix as user data. See "Install Screen 10—User Data Suffix," on page 15.

*   *   *

Install Screen 13—Configuration Summary

```
------------------------------------------------------
If you want to review or change any information about the
installation about to be performed, click Back until you find the
screen with the relevant information. If you are ready to install,
click Next to begin the installation process.

Current Settings:

[List of current settings]


------------------------------------------------------
```

Review the list of current settings. If any of the settings needs to be changed, click **Back** until you find the relevant screen.

If you are ready to install, click **Next**.

A dialog appears indicating the status of the install process.

Install Screen 14—Completion of Installation

```
-------------------------------------------------------
Setup has finished installing.

View Readme

When you click Finish, your installation will be complete


-------------------------------------------------------
```

Check `View Readme` to read information about iPlanet Delegated Administrator for Messaging and Collaboration 1.1.

When you click `Finish`, your browser will bring you to the iPlanet Delegated Administrator start page.

Reboot System

On Windows NT systems, it is necessary to reboot your system after the installation is complete.

Using the Delegated Administrator

Access the iPlanet Delegated Administrator for Messaging and Collaboration 1.1 Login Page by pointing a web browser to `http://`*host*`:`*webserver_port*`/nda/login.htm`.

You can use the Login Page to log in as any level of administrator named in the page. The user ID and password you use to log in determines your administrator role and determines which branches of the directory to which you have access.

To start Delegated Administrator from the Start Page:

1. In a browser, enter the URL for the Delegated Administrator host using the form `http://`*host*`:`*webserver_port*`/nda/start.htm`.

2. Click Login.

3. In the Delegated Administrator Login window, using the information on the Start Page, enter an administrator's system user ID and password. For example, to log in as serviceadmin, you would enter the following:

User ID: serviceadmin@*default_domain***.com**

Password: *password*

4. Click Login.

    Delegated Administrator displays the administration page that is appropriate for the User ID you entered.

Administering the iPlanet Delegated Administrator

This chapter includes the following sections:

- "Uninstalling Delegated Administrator"
- "Changing the iPlanet Delegated Administrator Privileged User Password"
- "Changing the LDAP Server and Port"
- "Changing the Messaging Server Host or Administration Server Port"
- "Restarting the iPlanet Delegated Administrator Web Server"
- "Adding Single Sign-on"
- "Adding Secure Socket Layer"
- "Changing the Input Validation Servlets"

Uninstalling Delegated Administrator

When you run the uninstall program, the following occurs:

- All Delegated Administrator binaries are removed.
- The web server configuration reverts to the way it was before Delegated Administrator was installed.
- The web server is restarted.
- All Delegated Administrator files that were generated after initial installation remain on your computer system.

- All data that was added to the directory when Delegated Administrator was installed, and any data that was added subsequently, remains in the directory.

To uninstall Delegated Administrator, run the uninstall program:

- Both Directory Server and Web Server should be installed and running when you uninstall Delegated Administrator.

- In Unix, `cd` to the install directory and enter `./uninstall`

- For Windows NT, execute the `uninst.exe` program.

Changing the iPlanet Delegated Administrator Privileged User Password

During installation, a privileged user (DN: `cn=NDAUser, ou=config,o=<root of Org Tree`) is created in the directory. This user is employed by the Delegated Administrator to bind to the directory in order to do anonymous searches. A default password (auth) is also created for this user. If you want to change the password, you'll need to change it as described below.

1. Go to the directory where the file `resource.properties` is stored:

   DelegatedAdmin_root`/nda/classes/netscape/nda/servlet/`

2. In the file `resource.properties`, change the password for the following entry:

   `NDABasicAuth-uidrespw=auth`

   Be sure that only authorized personnel have access to this password!

3. Use `ldapmodify` to change the password for the NDAUser entry. In the directory *DirectoryServer_root*`/shared/bin`, enter the following:

   `ldapmodify -h` *host_name* `-p` *port_number* `-D "cn=directory manager" -w` *password*

4. At the prompt, enter the following:

   ```
   dn: uid=NDAUser, ou=config, o=base_suffix
   changetype: modify
   replace: userpassword
   userpassword: newpassword
   ```

5. To complete the command:

○ On Unix, enter `<Ctrl-D>`.

○ On Windows NT, enter `<Ctrl-Z>`.

6. Restart Web Server.

Changing the LDAP Server and Port

If you change the LDAP Server host or port to which the iPlanet Delegated Administrator points (specified during the iPlanet Delegated Administrator installation, see "Install Screen 7—LDAP Server Host & Port," on page 13), modify the attributes `LDAPDatabaseInterface-ldaphost` and `LDAPDatabaseInterface-ldapport` as required. The attributes are located in the file `resource.properties` at

DelegatedAdmin_root`/nda/classes/netscape/nda/servlet/`

Changing the Messaging Server Host or Administration Server Port

If you change the Messaging Server host or the Administration Server port which the iPlanet Delegated Administrator supports (specified during Messaging Server installation), modify the attributes `MsgSvr0-name` (host name) and `MsgSvr0-adminurl` (Administration Server URL) as required. The attributes are located in the file `resource.properties` at

DelegatedAdmin_root`/nda/classes/netscape/nda/servlet/`

Restarting the iPlanet Delegated Administrator Web Server

If the iPlanet Delegated Administrator Web Server process hangs, stop and start it by executing the following commands:

root_of_web_server`/https-`*fully-qualified_machine_name*`/stop`
root_of_we_server`/https-`*fully-qualified_machine_name*`/start`

Example:

```
/export/servers/enterpriseserver/https-red.iplanet.com/stop
/export/servers/enterpriseserver/https-red.iplanet.com/start
```

Adding Single Sign-on

To enable single sign-on for iPlanet Delegated Administrator for Messaging and Collaboration 1.1 refer to Chapter 2 of the *iPlanet Messaging Server Administrator's Guide.*

Adding Secure Socket Layer

To configure the iPlanet Delegated Administrator to use SSL-based connections, refer to Secure Sockets Layer (SSL) section in Chapter 4 of the *iPlanet Delegated Administrator 4.5 Deployment and Customization Guide* at
```
http://docs.iplanet.com/docs/manuals/deladmin/45/html/04_conf.htm#2
2559
```

Adding User Directory Failover

Refer to the User Directory Failover section in Chapter 4 of the *iPlanet Delegated Administrator 4.5 Deployment and Customization Guide* at
```
http://docs.iplanet.com/docs/manuals/deladmin/45/html/04_conf.htm#2
7796
```

Changing the Input Validation Servlets

When data is input to certain attribute fields in the iPlanet Delegated Administrator, a validation servlet or *routine* may verify that the data is of a specific type such as alphabetic or alpha-numeric before accepting the data.

Some attributes may have validation routines that you may wish to modify. For example, the default validation for the telephone number is numeric-punctuation, and you may wish it to be alpha-numeric-punctuation.

Although these validation routines can be changed or removed, please think carefully before doing this as some routines may be important to the proper functioning of the Delegated Administrator for Messaging.

To change the validation routine for a particular attribute, modify the appropriate attribute/validation pair in the `resource.properties` file at

DelegatedAdmin_root`/nda/classes/netscape/nda/servlet`

and restart the web server that supports the Delegated Administration for Messaging binaries.

Each attribute/validation pair has the following format:

`validateAttr-`*attribute*`=`*java_servlet*

Examples:

```
validateAttr-givenname=netscape.nda.util.ValAlphaNumericPunctuation
validateAttr-surname=netscape.nda.util.ValAlphaNumericPunctuation
validateAttr-telephonenumber=netscape.nda.util.ValNumericPunctuation
validateAttr-fax=netscape.nda.util.ValTelephone
```

Depending on the deployment needs, the validation routines can be changed. For example, `givenname` can be restricted to only alphabetic characters with the following attribute-value pair setting:

```
validateAttr-givenname=netscape.nda.util.ValAlpha
```

Validation can also be removed entirely by deleting the line or commenting it out with a hash mark, "`#`"at the beginning of the line.

The validation routines are as follows:

- `netscape.nda.util.ValAlpha` - tests for valid alphabetic string

- `netscape.nda.util.ValAlphaNumeric` - tests for valid alpha-numeric string

- `netscape.nda.util.ValAlphaNumericPunctuation` - tests for valid alpha-numeric or punctuated string

- `netscape.nda.util.ValNumericPunctuation` - tests for valid numeric or punctuated string

- `netscape.nda.util.ValPositiveInteger` - tests for "0" or positive integer

- `netscape.nda.util.ValTelephone` - tests for a string with numbers or the following punctuation marks:) (-

The following validation routines are for internal use only. Lines with these routines should not be modified.

```
netscape.nda.util.ValAccess
netscape.nda.util.ValBroadcaster
netscape.nda.util.ValBroadcasterPolicy
netscape.nda.util.ValDomain
```

```
netscape.nda.util.ValMailAddress
netscape.nda.util.ValMailAutoReplyMode
netscape.nda.util.ValMailDeliveryOption
netscape.nda.util.ValIMSStatus
netscape.nda.util.ValQuota
netscape.nda.util.ValExtendedQuota
netscape.nda.util.ValVacationDate
```

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