

# Installation Guide

*iPlanet Portal Server: Mobile Access Pack*

**3.0**

November 2001

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The *iPlanet™ Portal Server: Mobile Access Pack Installation Guide* provides overview information and instructions for installing the iPlanet Portal Server: Mobile Access Pack 3.0 software, which enables your portal site users to access your portal's content from their mobile devices.

## Who Should Use This Book

System administrators who are installing the Mobile Access Pack software should already be familiar with iPlanet™ Portal Server 3.0, Service Pack 3a.

If you plan to use the iPlanet Messaging Server to offer mail and address book to your mobile device user and the iPlanet Calendar Server to offer calendar to your mobile device users, you should already be familiar with:

- iPlanet™ Messaging Server 5.1
- iPlanet™ Calendar Server 5.0p3

Familiarity with basic UNIX system administration and networking is assumed.

## How This Book Is Organized

This book contains the following chapters:

Chapter 1 provides an overview of the installation and describes system requirements and configuration.

Chapter 2 contains Mobile Access Pack installation procedures and instructions for required post-installation tasks.

Chapter 3 contains instructions for removing the Mobile Access Pack software.

# Documentation

Mobile Access Pack documentation includes:

- *iPlanet Portal Server: Mobile Access Pack Release Notes*
- *iPlanet Portal Server: Mobile Access Pack Installation Guide* (this book)
- *iPlanet Portal Server: Mobile Access Pack Administration Guide*
- *iPlanet Portal Server: Mobile Access Pack Programmer's Guide*

The release notes, installation guide, administration guide, and programmer's guide are online in PDF and HTML formats. To find these documents, use this URL:

<http://docs.iplanet.com/docs/manuals/wireless.html>

The documents are under the heading iPlanet Portal Server: Mobile Access Pack 3.0.

## Supported Third-Party Software

For information on third-party software supported by the Mobile Access Pack server, go to this URL:

<http://www.iplanet.com/downloads>

## Typographic Conventions

The text in this book uses the following typographic styles:

Typeface or Symbol	Meaning	Example
AaBbCc123	The names of commands, files, and directories; on-screen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files.
<b>AaBbCc123</b>	On-screen computer input	Type <b>exit</b> at the command prompt.
<b><i>AaBbCc123</i></b>	Command-line placeholder, to be replaced with a real name or value	To delete a file, type <b>rm <i>filename</i></b> .

Typeface or Symbol	Meaning	Example
<i>AaBbCc123</i>	Book titles, new words or terms, or words to be emphasized	Read the <i>User's Guide</i> . These are called <i>class options</i> .



# Installation Overview

Before you begin installing your iPlanet Portal Server: Mobile Access Pack software, you should familiarize yourself with how the installation software is packaged, what the requirements for your system are, and what information you must have so that you can complete the installation successfully.

## Installation Options

The Mobile Access Pack product includes files for downloading and product documentation available on the iPlanet Web site.

You can add the Mobile Access Pack to an existing installation of the iPlanet Portal Server 3.0, Service Pack 3a, or you can complete a new installation of the iPlanet Portal Server 3.0, Service Pack 3a followed by an installation of the Mobile Access Pack.

## System Requirements

The Mobile Access Pack product has several system requirements that you must meet before you start your installation. This section explains in Table 1-1 what these are.

**Table 1-1** System Requirements for Deploying the Mobile Access Pack

Component	Description
Computer type	Dual CPU class system.
Operating environment	Solaris™ 8, Solaris 7, or Solaris 2.6
Memory	256 MB minimum with 512 MB swap.

**Table 1-1** System Requirements for Deploying the Mobile Access Pack

Component	Description
Disk space	1 GB free in the directory where iPlanet Portal Server 3.0, Service Pack 3a is installed 100 MB free in the /usr directory 100 MB free in the /etc/opt directory 512 MB free in the /var/opt directory
Software	iPlanet Portal Server 3.0, Service Pack 3a iPlanet Messaging Server 5.1 (optional) iPlanet Calendar Server 5.0p3 (optional)
Web browsers	Netscape™ Communicator 4.06 or higher (except 4.6) or Microsoft Internet Explorer 4.0 or higher with SSL 3.0 JavaScript™ enabled

## Contents of Tar Archive

You can install the Mobile Access Pack software using the iPlanet Portal Server: Mobile Access Pack installation CD-ROM or download the iPlanet Portal Server: Mobile Access Pack software from this web site:

<http://www.iplanet.com/downloads/download/>

Both provide the `ipsMAP3.0-01.tar` file, which includes the following directories and files:

```
install
uninstall
patches
ipsinstall
mapinstall
111867-01
112042-01
l10ninstall
iPS/locales/
MAP/locales/
```

The compressed size of the installation files is about 1.6 MB. The uncompressed size is about 3 MB.

## Understanding What Is Installed

The Mobile Access Pack install script installs the following Mobile Access Pack packages:

- SUNWwp, the Mobile Access Pack server
- SUNWwpht, authorization and desktop HTML templates
- SUNWwpwt, authorization and desktop WML templates
- SUNWwpct, authorization and desktop cHTML templates
- SUNWwc, client classes
- SUNWwcht, client HTML templates
- SUNWcwt, client WML templates
- SUNWcct, client cHTML templates
- SUNWwd, Javadoc files
- SUNWwda, administration console help files
- SUNWwde, user help files



# Installing the Software

You must install Mobile Access Pack on each server where iPlanet Portal Server is installed. This chapter provides instructions for the following installations:

- Installing iPlanet Portal Server 3.0, Service Pack 3a and Mobile Access Pack at the same time

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**NOTE** Before you can use the Mobile Access Pack, you must install iPlanet Portal Server 3.0, Service Pack 3a.

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- Installing Mobile Access Pack only, when you already have installed iPlanet Portal Server 3.0, Service Pack 3a
- iPlanet Messaging Server 5.1, if you have not already installed Messaging Server and you plan to use it to deliver the mail feature to your mobile device user
- iPlanet Calendar Server 5.0p3, if you have not already installed Calendar Server and you plan to use it to deliver the calendar feature to your mobile device user

---

**NOTE** To achieve optimum performance, install Messenger Server and Calendar Server on a separate machine from Portal Server.

---

Before you begin installing Mobile Access Pack, read Chapter 1 of this book to ensure that your system requirements are satisfied.

# Portal Server and Mobile Access Pack

To install Portal Server and Mobile Access Pack at the same time, complete the following steps:

1. Insert the Mobile Access Pack CD-ROM, or download the software from this web site:

`http://www.iplanet.com/downloads/download/`

Download all of the iPlanet Portal Server: Mobile Access Pack files and run the script `assembleiPSMAP3SP3a`, which is one of these files.

2. To install Portal Server, use the installation instructions in the *iPlanet Portal Server 3.0, Service Pack 3a Release Notes* document, which is available at this web site:

`http://docs.iplanet.com/`

3. Change to root using the `su root` command.
4. Execute the following command:  

```
./install
```
5. When the `Log file located at message` appears, record the log file's location.
6. From another terminal window, execute this command to monitor your installation's progress:  

```
tail -f logfilename
```
7. Read the license agreement when the prompt appears and type `yes` if you wish to continue with the installation.
8. If you are installing this software on the same machine as Messaging Server and Calendar Server, provide a unique port number when you respond to the `the what is the port for the directory server?` prompt.

---

**NOTE** You cannot assign the same port to Portal Server and Messaging Server. Messaging Server contains Netscape Directory Server 4.13, and by default this server uses port 389 for Directory Server. This instance of Directory Server is not the same Directory Server that Portal Server uses.

---

# Mobile Access Pack

To install the Mobile Access Pack, when you already have iPlanet Portal Server 3.0, Service Pack 3a installed, complete the following steps:

1. Change to root using the `su root` command.
2. Stop the Portal Server using this command:  
`/etc/init.d/ipsserver stopall`
3. Use the `cd` command to change to the directory where the Web Server is installed and use the `ls` command to identify how many server instances you have.

Here is an example of an installation with three server instances:

```
# cd /opt/iplanet/server4
# ls
README.txt                bin
extras                    setup
https-1.red-a.iplanet.com
https-1.red-b.iplanet.com@444
https-1.red-c.iplanet.com@8080
```

4. Use the `cd` command to change to each Web Server's directory, and use the `./stop` command to stop each server.
5. Use this command to verify that all server processes are stopped:

```
ps -ef | grep https
```

6. Stop all instances of Web browsers by closing them.
7. Use this command to verify that the port for each Web Server is free:

```
netstat -a | grep "\.port[^\ ]"
```

Replace *port* with the value you assigned to iPS port during installation. For example:

```
netstat -a | grep "\.8080[^\ ]"
```

Whenever any output, such as `WAIT` or `CLOSE`, is returned, repeat the command.

---

**NOTE** It may take up to a minute before each port is freed.

---

8. Insert the Mobile Access Pack CD-ROM, or download the software from this web site:

`http://www.iplanet.com/downloads/download/`

Download all of the iPlanet Portal Server: Mobile Access Pack files and run the script `iPSMAP3`, which is one of these files.

9. Execute the following command:

```
./mapinstall
```

10. Select the option to install the Mobile Access Pack software.
11. When the `Log file located at message` appears, record the log file's location.

12. From another terminal window, execute this command to monitor your installation's progress:

```
tail -f logfile
```

13. Read the license agreement when the prompt appears and type `yes` if you wish to continue with the installation.
14. Be prepared to respond to other queries should the installation detect discrepancies with system requirements and similar issues.

---

**NOTE** These queries appear should the Mobile Access Pack installation detect questions about issues such as your user name, iPlanet Portal Server installation, operating environment, and disk space.

---

15. Start the Portal Server using this command:

```
/etc/init.d/ipsserver startall
```

## Messaging Server

To use Mobile Access Pack software to provide the iPlanet Messaging Server mail to your mobile device user, you must install and configure iPlanet Messaging Server 5.1. You must complete the steps in this section if you have not already installed Messaging Server.

The Messaging Server software is available for download at this web site:

<http://www.iplanet.com/downloads/download/>

Installation instructions and other documentation for this product are available at:

<http://docs.iplanet.com/>

When your Messaging Server installation is completed, use the iPlanet Delegated Administrator to create and enable users for mail services.

To do this, complete the following steps:

1. Go to this URL:

`messaging_server_name:8080/nda/start.htm`

2. Select log in.
3. Enter your service administrator Login ID (for example: ServiceAdmin@siroe.iplanet.com) and then enter your password.
4. In the right pane of the console, expand your domain by selecting your default domain.

---

**TIP** Internet is shown as root.

If your default domain is `siroe.iplanet.com`, you would select `com`, then `iplanet`, and then `siroe`.

---

5. Select the New User icon to display the Create User window.
6. Create a new user.

---

**NOTE** The First Name, Last Name, Password, Confirm Password and Email address fields are required. The other fields are optional.

---

7. From the menu options in left of the Create User window, select Enable Additional Services.
8. Select Mail.
9. Select OK to save this user and then select Continue.
10. When you have created your new users, repeat step 6 through step 9 to create a new user with the following Login ID:  
  
calmaster

---

**NOTE** A user with this name is required to install Calendar Server. You can omit this step if you do not plan to offer the calendar feature to your mobile device users.

---

11. Open a terminal window and enter the following command to synchronize your data with your Messaging Server directory:

```
msg_install_directory/msg-host_name/imsimta dirsync -F
```

---

**NOTE** When your Messaging Server installation is complete, log on as a user and verify that the software is working correctly. Your users must be able to access mail and the address book via Messaging Server.

---

## Calendar Server

To use the Mobile Access Pack software to provide the iPlanet Calendar Server calendar to your mobile device user, you must install and configure iPlanet Calendar Server 5.0p3. You must complete the steps in this section if you have not already installed Calendar Server.

The Calendar Server software is available for download at this web site:

<http://www.iplanet.com/downloads/download/>

Installation instructions and other documentation for this product are available at:

<http://docs.iplanet.com/>

---

**NOTE** When your Calendar Server installation is complete, log on as a user and verify that the software is working correctly. Your users must be able to access the calendar via Calendar Server.

---

## Post-Installation Tasks

This section provides information about post-installation tasks you should complete. The tasks include:

- Recording information about your installations
- Reducing the Portal Server session cookie name

## Recording Information

Various administration tasks for the Mobile Access Pack require information about your Portal Server, Messaging Server, and Calendar Server installations.

For future reference, you may find it useful to record the following information about your software installations now:

- Portal Server port number
- IMAP server name
- Calendar server name
- SMTP server name
- Messenger Express URL
- Calendar Express HTTP port
- Address book directory (LDAP) server name
- Address book directory (LDAP) server port
- Address book admin DN

---

**TIP** To obtain the address book admin DN, perform the following steps:

1. As root, log in to the iPlanet Messaging Server 5.1 server machine.
2. Issue a command of the form:

```
/usr/iplanet/server5/msg-hostname/configutil | grep local.service.pab.ldapbinddn
```

This returns the address book admin DN.

---

- Address book admin password

---

**TIP** To obtain the address book password, perform the following steps:

1. As root, log in to the iPlanet Messaging Server 5.1 server machine.
2. Issue a command of the form:

```
/usr/iplanet/server5/msg-hostname/configutil | grep local.service.pab.ldappasswd
```

This returns the address book admin password.

---

- Address Book directory (LDAP) search base

---

**TIP**

To obtain the directory search base, perform the following steps:

1. As root, log in to the iPlanet Messaging Server 5.1 server machine.
2. Issue a command of the form:

```
/usr/iplanet/server5/msg-hostname/configutil | grep  
local.ugldapbasedn
```

This returns the directory search base.

---

- Authentication directory (LDAP) server name.
- Authentication directory (LDAP) server search base.

## Shortening the Session Cookie Name

Reduce the length of the Portal Server session cookie name to minimize the length of URLs. This is important when you support mobile devices with small content buffers.

To shorten the name, complete these steps:

1. Log in as root.
2. Stop the Portal Server using this command:  

```
/etc/init.d/ipsserver stopall
```
3. Use the `cd` command to change to the `/etc/opt/SUNWips` directory.
4. Edit each `platform.conf` file to shorten `ips.cookie.name=name` to something with fewer characters (for example: `ips.cookie.name=iPS`).
5. Start the Portal Server using this command:

```
/etc/init.d/ipsserver startall
```

# Removing the Software

You can use the iPlanet Portal Server: Mobile Access Pack installation script to remove the Mobile Access Pack software and patches from your server. This chapter describes the steps involved.

## Backing Up the Installation

Make a back-up copy of your iPlanet Portal Server 3.0, Service Pack 3a installation before you remove the Mobile Access Pack installation. This is required because your user files and custom template files are removed during the uninstall process.

Making a back-up copy allows you to retain and re-use these customized files.

## Uninstalling the Software

To remove the Mobile Access Pack, complete the following steps:

1. Change to root using the `su root` command.
2. In the Mobile Access Pack installation directory, execute the following command:

```
./mapinstall
```

3. Accept the license agreement when the prompt appears.
4. Select option 2) **Remove current installation** to start the uninstall process.

After you remove your Mobile Access Pack software, you must also remove your iPlanet Portal Server 3.0, Service Pack 3a software.

The steps for removing the Portal Server software are in the *iPlanet Portal Server 3.0, Service Pack 3a Release Notes*. Refer to the Removing the Service Pack 3a Software text in the Installation Instructions section of this document. This document is available at this web site:

<http://docs.iplanet.com/>