

Service Pack Installation Guide

iPlanet™ Message Queue for Java™

Version 2.0, Service Pack 1

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Contents

Preface	5
Audience for This Guide	5
Conventions	5
Text Conventions	5
Environment Variable Conventions	6
The iMQ Documentation Set	7
Chapter 1 Install/Uninstall Procedures	9
Introduction	9
Solaris	10
Installing iMQ 2.0 Service Pack 1 on Solaris	10
Uninstalling iMQ 2.0 Service Pack 1 on Solaris	12
Linux	13
Installing iMQ 2.0 Service Pack 1 on Linux	13
Uninstalling iMQ 2.0 Service Pack 1 on Linux	14
Windows	16
Installing iMQ 2.0 Service Pack 1 on Windows	16
Uninstalling iMQ 2.0 Service Pack 1 on Windows	17

Preface

This book explains how to install iPlanet Message Queue for Java (iMQ) 2.0, Service Pack 1. It assumes you have already installed iMQ 2.0.

This preface contains the following sections:

- [Audience for This Guide](#)
- [Conventions](#)
- [The iMQ Documentation Set](#)

Audience for This Guide

The audience for this guide is iMQ developers and administrators.

Conventions

This section provides information about the conventions used in this document.

Text Conventions

Table 1 Document Conventions

Format	Description
<i>italics</i>	Italicized text represents a placeholder. Substitute an appropriate clause or value where you see italic text. Italicized text is also used to designate a document title, for emphasis, or for a word or phrase being introduced.

Table 1 Document Conventions (*Continued*)

Format	Description
monospace	Monospace text represents example code, commands that you enter on the command line, directory, file, or path names, error message text, class names, method names (including all elements in the signature), package names, reserved words, and URLs.
[]	Square brackets to indicate optional values in a command line syntax statement.
ALL CAPS	Text in all capitals represents file system types (GIF, TXT, HTML and so forth), environment variables (JMQ_HOME), or acronyms (iMQ, JSP).
Key+Key	Simultaneous keystrokes are joined with a plus sign: Ctrl+A means press both keys simultaneously.
Key-Key	Consecutive keystrokes are joined with a hyphen: Esc-S means press the Esc key, release it, then press the S key.

Environment Variable Conventions

iMQ makes use of two environment variables.

Table 2 iMQ Environment Variables

Environment Variable	Description
JMQ_HOME	This is the root iMQ installation directory in which all installed files are placed. On Windows, the installer sets JMQ_HOME to the iMQ installation directory. On Solaris and Linux, JMQ_HOME is manually set to /opt/SUNWjmq.
JMQ_VARHOME	This is a directory in which all transient or dynamically-created configuration and data files are stored. On Windows JMQ_VARHOME is set to JMQ_HOME\var. On Solaris and Linux, JMQ_VARHOME is manually set to /var/opt/SUNWjmq.

In this guide, JMQ_HOME and JMQ_VARHOME are shown *without* platform-specific environment variable notation or syntax (for example, \$JMQ_HOME on UNIX). However, all path names use UNIX file separator notation (/).

The iMQ Documentation Set

The following documents are included with the iMQ product, listed in [Table 3](#) in the order in which you would normally use them:

Table 3 iMQ Documentation Set

Document	Audience	Description
<i>iMQ Installation Guide</i>	Developers and administrators	Explains how to install iMQ software on Solaris, Linux, and Windows NT platforms.
<i>iMQ Release Notes</i>	Developers and administrators	Includes descriptions of new features, limitations, and known bugs, as well as technical notes.
<i>iMQ Migration Guide</i>	Developers and administrators	Explains differences between JMQ 1.1 and iMQ 2.0 and how to perform necessary conversions.
<i>iMQ Developer's Guide</i>	Developers	Provides a quick-start tutorial and programming information relevant to the iMQ implementation of JMS.
<i>iMQ Administrator's Guide</i>	Administrators, also recommended for developers	Provides background and information needed to perform administrative tasks using iMQ administration tools.

Install/Uninstall Procedures

This chapter contains procedures for installing and uninstalling iPlanet Message Queue for Java (iMQ) 2.0 Service Pack 1 on the following platforms:

- Solaris
- Linux
- Windows

The Service Pack distributions for these platforms are freely available from the iPlanet web site.

Introduction

iMQ 2.0 Service Pack 1 is an update to the iMQ 2.0 product. It contains a set of bug fixes and performance improvements. You can find the details of these changes in the current *iMQ Release Notes*.

This service pack can be applied to any of the available iMQ editions: Trial, Developer, and Enterprise. It is 100% compatible with the 2.0 product.

This service pack must be installed on a system that currently has iMQ 2.0 installed. This service pack cannot be installed as a standalone product nor applied to the JMQ 1.1 product.

The Service Pack installer will back up all files being updated. The original files can be restored if necessary.

If you have any questions or problems with this service pack please feel free to contact the iMQ team by sending email to imq-feedback@sun.com

Solaris

The installer will make use of the Solaris patch mechanism to back up all files being updated. The Service Pack requires about 8 megabytes of free space to store these backups. The Solaris patch mechanism checks to see if there is sufficient space.

Installing iMQ 2.0 Service Pack 1 on Solaris

The following instructions explain how to install iMQ 2.0 Service Pack 1 on Solaris.

► **To install the iMQ Service Pack 1**

1. Download Service Pack 1 from the iPlanet web site into an empty, temporary download directory. (You can delete this directory after successfully installing the service pack.)

The download file is: `imq2_0sp1-solsparc.tar.Z`

2. Uncompress the downloaded file.

```
uncompress -f imq2_0sp1-solsparc.tar.Z
```

This create a single tar file: `imq2_0sp1-solsparc.tar`

3. Become root on your system.

```
su root
```

4. Untar the archive.

```
tar xvpf imq2_0sp1-solsparc.tar
```

A directory named `111858-01` will be created. This directory contains distribution files, an installation program, an uninstall program, a license file, a README file, and *iMQ Release Notes*.

5. Change your current working directory to `111858-01`.

```
cd 111858-01
```

6. Before installing the Service Pack, be sure to shut down any running brokers and iMQ-based clients.

7. Run the `installpatch` program to install the Service Pack.

```
./installpatch `pwd`
```

This program assumes that iMQ is installed in the default location, `/opt/SUNWjmq`. If you had chosen to install iMQ 2.0 in a directory different from the default (using the `-R` option), then you need to specify that same directory (using the `-R` option) of the `installpatch` command.

If the Service Pack is installed successfully, the following message will be displayed:

```
Patch number 111858-01 has been successfully installed.
See /var/sadm/patch/111858-01/log for details
Executing postpatch script...
Storing Version: //opt/SUNWjmq/patches/VERSION
Patch packages installed:
SUNWjqapi
SUNWjqrtr
```

The man page for the `patchadd` command has a “Patch Installation errors” section that might be helpful in diagnosing any problem that occurs. Depending on where the Service Pack failed to install, it might be necessary to run the `backoutpatch` script before attempting to reinstall the patch (see [“Uninstalling iMQ 2.0 Service Pack 1 on Solaris”](#)).

► **To confirm that the Service Pack is installed**

1. Run the `jqbroker` command with the `-v` option.
2. Inspect the startup banner.

The version will be 2.0 SP1 and the Patch ID 111858-01 will be shown.

Uninstalling iMQ 2.0 Service Pack 1 on Solaris

The following instructions explain how to uninstall iMQ 2.0 Service Pack 1 on Solaris.

► **To uninstall the iMQ Service Pack 1**

1. Stop any running brokers or iMQ-based clients
2. Become root.

```
su root
```

3. Change your current working directory to the patch directory.

```
cd JMQ_HOME/patches/111858-01
```

4. Run the `backoutpatch` program to restore the iMQ 2.0 files (thus removing the Service Pack from the installation).

```
./backoutpatch 111858-01
```

If the Service Pack is uninstalled successfully, the following message will be displayed:

```
Restoring Version: //opt/SUNWjmq/patches/VERSION
```

```
Patch 111858-01 has been backed out.
```

If an error occurs, check the log in `/tmp/backoutlog.xxxx` to view the logged errors displayed while performing the `backoutpatch` command.

► **To confirm that the Service Pack is uninstalled**

1. Run the `jmqbroker` command with the `-v` option.
2. Inspect the startup banner.

The version will be 2.0.

Note: Uninstalling Service Pack 1 (or uninstalling iMQ 2.0) does not remove the `JMQ_HOME/patches` directory. Therefore, to avoid errors, be sure to manually remove this directory before reinstalling either iMQ 2.0 or the service pack.

Linux

The installer will attempt to back up all files being updated. It will back up these files into the `JMQ_HOME/patches` directory. The Service Pack requires about 8 megabytes of free space in `JMQ_HOME` to store these backups. If you do not have at least this much free space you should not install this Service Pack.

Installing iMQ 2.0 Service Pack 1 on Linux

The following instructions explain how to install iMQ 2.0 Service Pack 1 on Linux.

► To install the iMQ Service Pack 1

1. Download Service Pack 1 from the iPlanet web site into an empty, temporary download directory. (You can delete this directory after successfully installing the service pack.)

The download file is: `imq2_0sp1-linx86.tar.gz`

2. Uncompress the downloaded file.

```
gunzip imq2_0sp1-linx86.tar.gz
```

This create a single tar file: `imq2_0sp1-linx86.tar`

3. Become root on your system.

```
su root
```

4. Untar the archive.

```
tar xvpf imq2_0sp1-linx86.tar
```

A directory named `111858-01` will be created. This directory contains distribution files, an installation program, an uninstall program, a license file, a README file, and *iMQ Release Notes*.

5. Change your current working directory to `111858-01`.

```
cd 111858-01
```

6. Before installing the Service Pack, be sure to shut down any running brokers and iMQ-based clients.

7. Run the `installpatch` program to install the Service Pack.

This program requires that the `-imqhome` option be set to the location of the installed iMQ 2.0 product. This program accepts an optional `-verbose` flag. Use this flag if you want to monitor the details of the Service Pack installation.

```
installpatch -imqhome JMQ_HOME [-verbose]
```

For example:

```
./installpatch -imqhome /opt/SUNWjmq -verbose
```

If the Service Pack is installed successfully, the following message will be displayed:

```
Patch id: 111858-01 has been successfully installed.
```

If an error occurs, the information in the error message might be helpful in diagnosing the problem. Running `installpatch` with the `-verbose` option might also be useful in diagnosing any problem that occurs. Depending on where the Service Pack failed to install, it may be necessary to run the `uninstallpatch` program before attempting to reinstall the patch (see [“Uninstalling iMQ 2.0 Service Pack 1 on Linux”](#)).

► To confirm that the Service Pack is installed

1. Run the `jmqbroker` command with the `-v` option.
2. Inspect the startup banner.

The version will be 2.0 SP1 and the Patch ID 111858-01 will be shown.

Uninstalling iMQ 2.0 Service Pack 1 on Linux

The following instructions explain how to uninstall iMQ 2.0 Service Pack 1 on Linux.

► To uninstall the iMQ Service Pack 1

1. Stop any running brokers or iMQ-based clients.
2. Become root.

```
su root
```

3. Change your current working directory to the patch directory.

```
cd JMQ_HOME/patches/111858-01
```

For example:

```
cd /opt/SUNWjmq/patches/111858-01
```

4. Run the `backoutpatch` program to restore the iMQ 2.0 files (and uninstall the Service Pack).

This program requires the `-imqhome` option to be set to the location of the installed iMQ 2.0 Service Pack 1. This program accepts an optional `-verbose` flag. Use this flag if you want to monitor the details of the Service Pack uninstall.

```
backoutpatch -imqhome JMQ_HOME [-verbose]
```

For example:

```
./backoutpatch -imqhome /opt/SUNWjmq -verbose
```

If the Service Pack is uninstalled successfully, the following message will be displayed:

```
Patch id: 111858-01 has been removed.
```

If an error occurs, the information in the error message might be helpful in diagnosing the problem. Running `backoutpatch` with the `-verbose` option might also be useful in diagnosing any problem that occurs.

► **To confirm that the Service Pack is uninstalled**

1. Run the `jmqbroker` command with the `-v` option.
2. Inspect the startup banner.

The version will be 2.0.

Note: Uninstalling Service Pack 1 (or uninstalling iMQ 2.0) does not remove the `JMQ_HOME/patches` directory. Therefore, to avoid errors, be sure to manually remove this directory before reinstalling either iMQ 2.0 or the service pack.

Windows

The installer will attempt to back up all files being updated. It will back up these files into the `JMQ_HOME/patches` directory. The Service Pack requires about 8 megabytes of free space in `JMQ_HOME` to store these backups. If you do not have at least this much free space you should not install this Service Pack.

Installing iMQ 2.0 Service Pack 1 on Windows

The following instructions explain how to install iMQ 2.0 Service Pack 1 on Windows.

► To install the iMQ Service Pack 1

1. To install this Service Pack you must have Administrator privileges (Windows NT, Windows 2000).
2. Download Service Pack 1 from the iPlanet web site into an empty, temporary download directory. (You can delete this directory after successfully installing the service pack.)

The download file is: `imq2_0sp1-win.zip`

3. Unzip the downloaded file.

A directory named `111858-01` will be created. This directory contains distribution files, an installation program, an uninstall program, a license file, a README file, and *iMQ Release Notes*.

4. Change your current working directory to `111858-01`.

```
cd 111858-01
```

5. Before installing the Service Pack, be sure to shut down any running brokers and iMQ-based clients.

6. Run the `installpatch` program to install the Service Pack.

This program requires the `JMQ_HOME` environment variable to be set. This variable was set when iMQ 2.0 was installed. If, for some reason, it is not set, then set it now. It should be set to the location in which iMQ 2.0 is installed (for example, `C:\Program Files\iPlanetMessageQueue2.0`).

This program accepts an optional `-verbose` flag. Use this flag if you want to monitor the details of the Service Pack installation.

```
installpatch.bat [-verbose]
```

For example:

```
C:\tmp\111858-01> installpatch -verbose
```

If the Service Pack is installed successfully, the following message will be displayed:

```
Patch id: 111858-01 has been successfully installed.
```

If an error occurs, the information in the error message might be helpful in diagnosing the problem. Running `installpatch` with the `-verbose` option might also be useful in diagnosing any problem that occurs. Depending on where the Service Pack failed to install, it may be necessary to run the `uninstallpatch` program before attempting to reinstall the patch (see [“Uninstalling iMQ 2.0 Service Pack 1 on Windows”](#)).

➤ **To confirm that the Service Pack is installed**

1. Run the `jmqbroker` command with the `-v` option.
2. Inspect the startup banner.

The version will be 2.0 SP1 and the Patch ID 111858-01 will be shown.

Uninstalling iMQ 2.0 Service Pack 1 on Windows

The following instructions explain how to uninstall iMQ 2.0 Service Pack 1 on Windows.

➤ **To uninstall the iMQ Service Pack 1**

1. To uninstall this Service Pack you must have Administrator privileges (Windows NT, Windows 2000).
2. Before removing the Service Pack be sure to shut down any running brokers and iMQ-based clients.
3. Change your current working folder to the patch folder.

```
cd JMQ_HOME\patches\111858-01
```

For example:

```
cd C:\Program Files\iPlanetMessageQueue2.0\patches\111858-01
```

4. Run the `backoutpatch` program to restore the iMQ 2.0 files (thus removing the Service Pack from the installation).

This program requires the `JMQ_HOME` environment variable to be set. This variable was set when iMQ 2.0 was installed. If, for some reason, it is not set, then set it now. It should be set to the location in which iMQ 2.0 is installed (for example, `C:\Program Files\iPlanetMessageQueue2.0`).

This program accepts an optional `-verbose` flag. Use this flag if you want to monitor the details of the Service Pack uninstallation.

```
backoutpatch [-verbose]
```

For example:

```
C:\Program Files\iPlanetMessageQueue2.0\patches\111858-01>
backoutpatch -verbose
```

If the Service Pack is uninstalled successfully, the following message will be displayed:

```
Patch id: 111858-01 has been removed.
```

If an error occurs, the information in the error message might be helpful in diagnosing the problem. Running `backoutpatch` with the `-verbose` option might also be useful in diagnosing any problem that occurs.

► **To confirm that the Service Pack is uninstalled**

1. Run the `jmqbroker` command with the `-v` option.
2. Inspect the startup banner.

The version will be 2.0.

Note: Uninstalling Service Pack 1 (or uninstalling iMQ 2.0) does not remove the `JMQ_HOME/patches` directory. Therefore, to avoid errors, be sure to manually remove this directory before reinstalling either iMQ 2.0 or the service pack.