Message Preparation Server

version 1.1

Installation Guide

This product includes software developed by:
the Apache Software Foundation (http://www.apache.org)
Davisor Ltd. (http://www.davisor.com)
the Free Software Foundation (http://www.fsf.org)
Sun Microsystems Inc. (http://www.sun.com)

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Chapter 1: Overview

Installation and configuration of the Message Preparation Server (MPS) involves a number of steps. Each of these steps is described in the sections under “MPS Installation and Configuration” on page 1. In addition, there are instructions on how to check that your server is correctly installed and configured.

MPS must be installed to the same installed directory as an instance of the Multi-Channel Server (MCS). This may be a pre-existing installation or one created as part of the MPS installation process. A separate document, the MCS Installation Guide covers the installation of MCS without MPS.

You should refer to the MPS User Guide in order to make the configuration clear.

During your use of MPS you will need to perform some tuning of MPS and to maintain the repository with new device policies downloaded from the supplier of this product. Please see the MPS User Guide and the MCS Administrator’s Guide for details.

MPS Installation and Configuration

The main steps involved in installing and verifying MPS are briefly listed here. In the chapters which follow we will cover each step in turn.

MPS Prerequisites

MPS requires MCS to be installed before it is installed itself. For details of this and other prerequisites see Chapter 2, “MPS Prerequisites” on page 3.

Installing and Configuring MPS

This is a relatively straightforward process assisted by an installer. The messages generated from the installer are largely self-explanatory.

The use of MCS and MPS are controlled by licensing software which will need to be set up following the instructions given.

See Chapter 3, “Installing and Configuring MPS” on page 5.

Completing the SetUp

The configuration file is used to control the operation of MCS and MPS. However, the initial settings created by the installation process will normally be adequate for MCS.

This sections also deals with any other issues of which you should be aware.

See Chapter 4, “Completing the SetUp” on page 9.

Verifying the Mariner Installation

Finally, you will want to be reassured that everything works. A sample JSP page is available to test your installation.

See Chapter 4, “Verifying the Mariner Installation” on page 9.

Chapter 2: MPS Prerequisites

Mandatory

The following are mandatory for a working installation of MPS.

MCS

MPS requires MCS to be installed before it is installed itself. Please see the MCS Installation Guide for details of how this should be accomplished.

Note : It is not necessary to install a web application server with MCS in order to be able to use MPS.

MCS holds its policies regarding devices, layouts, components and themes in a repository. You will need to have the repository installed and working to be able to use MPS with MCS. This is decribed in the MCS Installation Guide.

The Policy Manager is a graphical user interface which manages the policies within the repository. Both the Policy Manager and the JRE used by it are installed by the installation process.

Java Mail

This is available as the package **javax.mail** (v 1.3) from http://java.sun.com/.

This package contains classes modeling a mail system.

Java Activation Framework

This is available as the package **javax.activation** (v 1.0.2) from http://java.sun.com/.

The JavaBeans(TM) Activation Framework is used by the JavaMail(TM) API to manage MIME data.

Optional

The following are necessary for the use of channels.

Java Mail SMTP

This is available as the package **com.sun.mail.smtp** from http://java.sun.com/.

An SMTP protocol provider for the JavaMail API that provides access to an SMTP server.

Logica SMPP

This is available as the package **com.logica.smpp** from http://opensmpp.logica.com/

The SMPP Library is set of classes for communication with SMSC using SMPP protocol.

Nokia MMSC

This is available as the package **com.nokia.mms** from http://www.forum.nokia.com/

The jar is **MMSLibrary.jar**.

This is the protocol used for communication with Nokia MMSC.

Issues

If one of the SMTP, MMSC or SMSC JAR files is not in the classpath, and / or one of the channels is not configured correctly this will prevent messages from being delivered and may cause internal problems for the application server.

For this reason each channel element in the configuration file, **mariner-config.xml** is commented out until you specifically enable it. In this way you can activate the channels you need, leaving the others commented out, and not get a failure when trying to initialise channels to which you have no access. See “Channels” on page 39 for details of how to configure channels.

Chapter 3: Installing and Configuring MPS

Using the MPS Installer

The MPS installer is web-based for ease of use.

These instructions assume that you are installing from the CD.

Insert the CD into the CD drive. Using a web browser, open the file **install.html** in the top level directory of the CD and follow the instructions.

Installer

Select the appropriate installer or use the recommended installer.

Types of Installation

You will be presented with a choice of kinds of installation:

Full Install Install the complete product.

Custom Install Install only the selected components.

With a custom install the components which may be selected for installation are:

Message Preparation Server Install the MPS product only

Sample MPS Servlet Only install the example MPS servlet

Documentation Only install the MPS product documentation.

The ***Full Install*** option is selected by default. Click on the ***Next*** button to continue.

On the following screens you will be asked for initial deatils for the channels you intend to use.

SMPT

Enter:

1 Host

2 Auth

3 User

4 Password

SMSC

Enter:

1 IP

2 Port

3 User

4 Password

5 Bind Type

MMSC

Enter:

1 URL

2 Country Code

Installation

Finally, you will be asked where you installed MCS so that MPS can be installed in the same directories.

Setting up Your License

The use of MPS requires a license entitling this use. The license will need to be installed in the same manner as the license for MCS. Please see the instructions given in the Installation Guide for MCS for details of how to do this. You will need to supply the same information to the supplier of this product as is required for an MCS license but you should clearly state that a license for MPS is required.

Chapter 4: Completing the SetUp

Updating the Configuration File

The configuration file defines system parameters for MCS and MPS. The name of the file is **mariner-config.xml**. The installation process will have set the basic parameters.

A description of **mariner-config.xml**.and how to use it can be found in the MPS User Guide.

Setting Up the Documentation Catalog

When using **Search** in the Adobe Acrobat Reader for PDFs you can make an **Index Selection** by clicking on the **Index...** button in the dialog. Be sure to add the index which is with the documentation for the product, so that you are able to search across all the documents in the set. When using the Message Preparation Server you should add both the Multi-Channel Server index and the Message Preparation Server Index.

Appendix A: Compatibility

Supported Software Combinations

The software combinations supported by MPS are those supported by MCS. Please see the MCS Installation Guide for details.

Appendix A: Dependencies

Supported Software Combinations

Just those supported by MCS. Please see the MCS Installation Guide for details.

Dependencies

Mandatory

The following are mandatory for a working installation of MPS.

MCS 2.7.5

MPS 1.0 must be installed into the installed location of MCS 2.7.5. The licensing for MPS 1.0 is handled in the same manner as for MCS 2.7.5, a single license file enable both MCS and MPS. Please see the details on licensing in the MCS Installation Guide.

Note : It is not necessary to install a web application server with MCS in order to be able to use MPS.

MCS holds its policies regarding devices, layouts, components and themes in a repository. You will need to have the repository installed and working to be able to use MPS with MCS. This is decribed in the MCS Installation Guide.

The Policy Manager is a graphical user interface which manages the policies within the repository. Both the Policy Manager and the JRE used by it are installed by the installation process.

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Optional

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