



Informatica® Ultra Messaging
6.12

Documentation Introduction

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Preface

This document introduces the documentation available for using, configuring, and managing Ultra Messaging products.

Informatica Resources

Informatica Network

Informatica Network hosts Informatica Global Customer Support, the Informatica Knowledge Base, and other product resources. To access Informatica Network, visit <https://network.informatica.com>.

As a member, you can:

- Access all of your Informatica resources in one place.
- Search the Knowledge Base for product resources, including documentation, FAQs, and best practices.
- View product availability information.
- Review your support cases.
- Find your local Informatica User Group Network and collaborate with your peers.

Informatica Knowledge Base

Use the Informatica Knowledge Base to search Informatica Network for product resources such as documentation, how-to articles, best practices, and PAMs.

To access the Knowledge Base, visit <https://kb.informatica.com>. If you have questions, comments, or ideas about the Knowledge Base, contact the Informatica Knowledge Base team at KB_Feedback@informatica.com.

Informatica Documentation

To get the latest documentation for your product, browse the Informatica Documentation Portal at <https://docs.informatica.com>.

If you have questions, comments, or ideas about this documentation, contact the Informatica Documentation team through email at infa_documentation@informatica.com.

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Product Availability Matrixes (PAMs) indicate the versions of operating systems, databases, and other types of data sources and targets that a product release supports. If you are an Informatica Network member, you can access PAMs at

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Informatica Velocity

Informatica Velocity is a collection of tips and best practices developed by Informatica Professional Services. Developed from the real-world experience of hundreds of data management projects, Informatica Velocity represents the collective knowledge of our consultants who have worked with organizations from around the world to plan, develop, deploy, and maintain successful data management solutions.

If you are an Informatica Network member, you can access Informatica Velocity resources at

<http://velocity.informatica.com>.

If you have questions, comments, or ideas about Informatica Velocity, contact Informatica Professional Services at ips@informatica.com.

Informatica Marketplace

The Informatica Marketplace is a forum where you can find solutions that augment, extend, or enhance your Informatica implementations. By leveraging any of the hundreds of solutions from Informatica developers and partners, you can improve your productivity and speed up time to implementation on your projects. You can access Informatica Marketplace at <https://marketplace.informatica.com>.

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You can contact a Global Support Center by telephone or through Online Support on Informatica Network.

To find your local Informatica Global Customer Support telephone number, visit the Informatica website at the following link:

<http://www.informatica.com/us/services-and-training/support-services/global-support-centers>.

If you are an Informatica Network member, you can use Online Support at <http://network.informatica.com>.

CHAPTER 1

Introduction

This chapter includes the following topics:

- [Getting Started, 7](#)
- [Read About Ultra Messaging Concepts, 7](#)
- [Review Example Source Code, 8](#)
- [Browse API Reference Information, 8](#)
- [Review the Ultra Messaging Configuration Guide, 8](#)
- [Access the Ultra Messaging Knowledgebase, 8](#)

Getting Started

See the *UM Quick Start Guide* to get started quickly using an Ultra Messaging binary distribution. This is the best starting place for those interested in performance measurement or for those interested in getting a feel for how Ultra Messaging works without actually writing any code.

The *UM Quick Start Guide* only applies to LBM and UME products.

Go directly to *UMDS Quick Start Guide* to get started with the UMDS server configuration, client APIs and examples.

Read About Ultra Messaging Concepts

Read *Ultra Messaging Concepts* to learn some of the fundamental concepts and features of Ultra Messaging. The *Ultra Messaging Manager Guide* shows you how to use the UMM GUI to more easily configure Ultra Messaging for your applications.

The Ultra Messaging Guide for Queuing presents concepts, tutorials, implementation and configuration information about Ultra Messaging queuing.

Review Example Source Code

After considering the examples in the *UM Quick Start Guide* and familiarizing yourself with Ultra Messaging concepts, we suggest digging right into more complex source code examples to see how to use Ultra Messaging. See the following examples:

- *examples of C source code*
- *Java source code examples*
- *.NET source code examples*
- *JMS source code examples*

Ultra Messaging Desktop Services (UMDS) presents information about the UMDS Client and UMDS Server with links to the UMDS example applications and the UMDS APIs.

When you're ready to start writing your own code, you may want to start with `minsrc.c` and `minrcv.c` from the *Quick Start Guide*. Then cut and paste code from the more complicated examples mentioned above, such as `lbmprice.c`. It demonstrates not only the API usage, but also some common design patterns used with Ultra Messaging.

Browse API Reference Information

As you read through the code, refer to the following for details on the functions and data structures.

- *C Application Programming Interface*
- *Java Application Programming Interface*
- *.NET Application Programming Interface*
- *JMS Application Programming Interface*

Review the Ultra Messaging Configuration Guide

Refer to the *UM Configuration Guide* to learn how to set configuration options in order to tune your messaging applications and make the most of your operating environment.

Access the Ultra Messaging Knowledgebase

Be sure to visit the [UM Knowledgebase](#). It contains a wealth of excellent information.

CHAPTER 2

UM Documentation Table of Contents

This chapter includes the following topic:

- [Overview, 9](#)

Overview

And more ... refer to the *Documentation Table of Contents* below for more helpful documents about Ultra Messaging.

Document	Description
<i>Release Notes</i>	Information about changes in the current release.
<i>Quick Start Guide</i>	Step-by-step guide to running binary evaluation tools and to building minimal programs.
<i>Concepts Guide</i>	Fundamental concepts behind Ultra Messaging.
<i>Configuration Guide</i>	A guide to the configuration options for Ultra Messaging and examples.
<i>Operations Guide</i>	Contains monitoring strategies, troubleshooting information and error message descriptions for supporting the operation of Ultra Messaging.
<i>Ultra Messaging Manager Guide</i>	Information about using the UMM GUI to create configuration templates, application configurations and assign applications to users. Also contains information about running the UMM daemon, <code>ummd</code> .
<i>Guide for Queuing</i>	Concepts, tutorials and configuration information for UMQ.
Informatica Knowledge Base and How-To Library	A collection of notes on Ultra Messaging. Includes a list of frequently asked questions (FAQ), articles answering common support questions, new hardware issues, source code examples and more.
<i>C Application Programming Interface</i>	Documentation for the UM C API

Document	Description
<i>Java Application Programming Interface</i>	Documentation for the UM Java API
<i>.NET Application Programming Interface</i>	Documentation for the UM .NET API (Note - the Windows doc package also contains a standard Windows help package for the .Net API. See LBMCS in the LBM program group.)
<i>UMM Java Application Programming Interface</i>	Documentation for the UM Manager Java API
<i>C Example Source Code</i>	Source code for many complete example programs using the UM C API.
<i>Java Example Source Code</i>	Source code for many complete example programs using the UM Java API.
<i>C# Example Source Code</i>	Source code for many complete example programs using the UM .NET API.

CHAPTER 3

Ultra Messaging Code

This chapter includes the following topics:

- [Overview, 11](#)
- [Unix Packages, 11](#)
- [Java Packages, 12](#)
- [Microsoft Windows Packages, 12](#)
- [Stratus OpenVOS Package, 12](#)
- [HP NonStop Package, 13](#)

Overview

Within each platform directory, the `bin/`, `lib/`, and `include/` directories contain the binary files, library files, and include files respectively.

Unix Packages

The following Unix packages are self-extracting archives that contain the Ultra Messaging code for the corresponding platform/ABI. If you transfer these packages with `FTP`, you must use binary mode. For Linux, select the package that matches your `glibc`. After download, make these files executable with the following command.

```
chmod +x *.sh
```

Run the archives from a central directory intended for Ultra Messaging products as in the following example.

```
mkdir Informatica
cd Informatica
../UMQ_5.3_Linux-glibc-2.3-ia64.sh
```

If you have multiple packages of different platforms and ABIs, and different releases, they can all reside in the same directory without conflict.

Java Packages

When downloading jar files, some browsers offer to open the file with a java application. Override this and save the jar files to disk. After downloading the appropriate jar files for your version of Java, save them in the directory where you normally keep your Java class and/or jar files.

Important: Please make certain that your Java API package version matches your base library Ultra Messaging version.

The Ultra Messaging Java API supports Java versions 1.5, 1.6, and 1.7.

Microsoft Windows Packages

The Microsoft® Windows® packages are standard installation executables which contain the Ultra Messaging code. These packages have dependencies on the Microsoft VC++ 2012 libraries.

Important: All current Ultra Messaging installation packages for Microsoft Windows might cause the install process to replace the value of the Windows Path system variable. This happens when the length of the variable string exceeds 1024 bytes before you install Ultra Messaging. See the Informatica Knowledge Base for more information.

Stratus OpenVOS Package

The Stratus® OpenVOS package is a self-extracting archive that contain the Ultra Messaging code for the Stratus OpenVOS platform. If you transfer these packages with `FTP`, you must use binary mode.

Ultra Messaging supports Stratus OpenVOS Release 17.0.2aq.

The following Ultra Messaging components and features do not run on the Stratus OpenVOS platform.

- Ultra Messaging daemons
 - UM Router or UM Gateway (tngwd)
 - Ultra Messaging Manager (ummd)
- Java API and .NET API
- UM transports LBT-IPC, LBT-RDMA, or LBT-SMX
- Accelerated Multicast

The following Ultra Messaging products do not run on the Stratus OpenVOS platform.

- Ultra Messaging Persistence Edition
- Ultra Messaging Queuing Edition
- Ultra Messaging Desktop Services
- Ultra Messaging Cache

HP NonStop Package

The HP NonStop[®] package is a self-extracting archive that contain the Ultra Messaging Persistence Edition code for the HP NonStop platform. If you transfer these packages with `FTP`, you must use binary mode.

Ultra Messaging supports HP NonStop Version J06-17.

The following UMP components and features do not run on the HP NonStop platform.

- Ultra Messaging daemons
 - Persistent Store (umestored)
 - UM Router or UM Gateway (tngwd)
 - Ultra Messaging Manager (ummd)
- Java API and .NET API
- UM transports LBT-IPC, LBT-RDMA, or LBT-SMX
- Accelerated Multicast

The following Ultra Messaging products do not run on the HP NonStop platform.

- Ultra Messaging Queuing Edition
- Ultra Messaging Desktop Services
- Ultra Messaging Cache

CHAPTER 4

Legal Notices

This chapter includes the following topic:

- [Third Party Notices, 14](#)

Third Party Notices

1. UM's Java API makes use of the log4j software package, which is included with the Ultra Messaging distribution. The following terms of use apply (taken from <http://www.apache.org/licenses/LICENSE-2.0.txt>):

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