



Informatica® Ultra Messaging Desktop  
Services

6.12

# Quick Start Guide

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# Preface

The *Ultra Messaging Desktop Services Quick Start Guide* is written for the developers and software engineers who are responsible for installing and implementing UMDS servers and applications. This guide helps first-time users initially configure and start the UMDS Server and run some of the example applications. The *Ultra Messaging Desktop Services Quick Start Guide* assumes you have knowledge of your operating systems and Ultra Messaging concepts.

# CHAPTER 1

## Introduction

This chapter includes the following topic:

- [Overview, 6](#)

## Overview

This guide helps you initially configure and start the UMDS Server, and run some of the Java example applications.

## CHAPTER 2

# UMDS Installation Summary

This chapter includes the following topics:

- [Overview, 7](#)
- [UMDS Server Installation Summary, 7](#)
- [UMDS Client Installation Summary, 8](#)

## Overview

UMDS requires different types of installations for the UMDS Server and the UMDS Client.

When you install the UMDS Server and UMDS Client, the installer or installation procedure places files in an *[installdir]* directory.

On a Linux machine, *[installdir]* is typically the following:

```
/home/user-id/rel-id/platform-id
```

where *rel-id* is the release identifier, such as `UMDS-6.0`, and *platform-id* describes the ABI (Application Binary Interface), such as `Linux-glibc-2.5-x86_64`.

For a client on a Microsoft Windows machine, *[installdir]* is typically the following:

```
C:\Program Files\Informatica\UMDS_6.0_client\Win2k-x86_64
```

To review UMDS documentation, navigate to *[installdir]/doc*.

## UMDS Server Installation Summary

You must install the UMDS Server on a Linux or non-SPARC Solaris machine that also has the current version of UMS, UMP, or UMQ.

To install the UMDS Server, perform the following procedure:

1. Download the UMDS package, the current UMS, UMP, or UMQ version Linux or Solaris package that matches your UMDS package platform, and a UMDS license file. Contact Informatica Sales or initiate a shipping request.
2. Install the current version of UMS, UMP, or UMQ, if not already installed.
3. Install UMDS Server by navigating to *[installdir]* and executing the script, *platform-id.sh*.
4. Save the UMDS license file to *[installdir]*. Note the path and filename for later use with the UMDS configuration file.
5. Note the install path for when you later update `LD_LIBRARY_PATH`.

## UMDS Client Installation Summary

Install UMDS Clients on either UNIX or Microsoft Windows machines. The UMDS Client does not require an Ultra Messaging UMS, UMP, or UMQ installation on the client host.

1. For Windows UMDS clients, download the UMDS Windows client package. Contact Informatica Sales or initiate a shipping request. The UMDS package for UNIX contains both the server and Java clients.
2. Run the UMDS client installation appropriate for your client platform. For Windows, run `UMDS_6.0_client-install.exe`. For UNIX, unpack the file `UMDS_6.0_jdk1.5.0_12.jar`.
3. If you run Java, download the `openmdx-kernel.jar` and `log4j-1.2.9.jar` files, or locate the same files in the UMS, UMP, or UMQ installation.

**Note:** The example applications install under the *installdir* in the `dotnet_client/bin` and `java_client/bin` directories.



## CHAPTER 3

# Updating the UMDS Server Configuration File

This chapter includes the following topic:

- [Overview, 9](#)

## Overview

Before starting the UMDS Server, perform the following adjustments to the UMDS Server configuration file. When editing, do not change the order of the elements in `cfg.xml`.

1. Open `[installdir]/doc/UMDS/QuickStart/cfg.xml` in a text editor.
2. Add the UMDS license file name to the `<lbm-license-file>` element.
3. Specify a null UMS configuration file with `<lbm-config></lbm-config>` or specify a valid UMS configuration file. Note that the UMDS Server ignores some parameters.
4. The default server connection port is 14701. If this is unavailable, edit the `<server ...>` element to use a different port, for example `<server bind-addr="*:14733"/>`. Note this server's IP address and the new port number for later use.
5. If using the UMDS Web Monitor, ensure that the Web Monitor port number does not conflict with other UMDS Servers or other applications.
6. Save the updated `cfg.xml` configuration file in `[installdir]`.

## CHAPTER 4

# Starting the UMDS Server

This chapter includes the following topic:

- [Overview, 10](#)

## Overview

To start the UMDS Server, perform the following procedure:

1. Open a terminal window and navigate to the server bin directory.

```
$ cd [installdir]/bin
```

2. Update `LD_LIBRARY_PATH` with both UMDS and Ultra Messaging library paths.

```
$ LD_LIBRARY_PATH=/usr/lib:[LBMinstalldir]/lib;export LD_LIBRARY_PATH
```

3. Issue the following command.

```
$ ./umdsd ../cfg.xml
```

You see output similar to the following:

```
Ultra Messaging Desktop Services Version 6.0 Build: Jun 22 2014, 06:21:04 (UMS 6.5  
[UMP-6.5] [UMQ-6.5] [64-bit] Build: Jun 25 2013, 18:22:39 ( DEBUG license LBT-RM LBT-RU  
LBT-IPC LBT-SMX LBT-RDMA ) WC[PCRE 7.4 2007-09-21, regex, apcb] HRT[gettimeofday()])
```

```
Purpose: UMDS daemon
```

```
authentication: Warning: no authentication methods specified, 'none' assumed
```

Open a Web browser to the web monitor IP address and port mentioned in [“Overview” on page 9](#), e.g.,  
`http://172.16.254.1:8080`.

## CHAPTER 5

# Running UMDS Example Applications

This chapter includes the following topics:

- [Overview, 11](#)
- [Microsoft Windows Example Java Applications, 11](#)

## Overview

To run UMDS client example applications, perform the following platform and source language procedure.

## Microsoft Windows Example Java Applications

To run UMDS example Java applications on a Microsoft Windows machine, perform the following procedure.

1. Save the `openmdx-kernel.jar` file to UMDS [*installdir*].
2. Locate the UMDS jar file in [*installdir*], for example, `UMDS_6.0_jdk1.5.0_12.jar`.
3. Open a Command Prompt and start a UMDS receiver connection to the server. Substitute the UMDS Server's IP address and port number for `ip:port`.

```
> java -cp C:\Program Files\Informatica\UMDS_6.0_client\UMDS_6.0_jdk1.5.0_12.jar;  
C:\Program Files\Informatica\UMDS_6.0_client\openmdx-kernel.jar umdsreceive -S  
ip:port sample
```

4. Open a second Command Prompt and Start a UMDS source connection to the server for the same topic. Substitute the UMDS Server's IP address and port number for `ip:port`.

```
> java -cp C:\Program Files\Informatica\UMDS_6.0_client\UMDS_6.0_jdk1.5.0_12.jar;  
C:\Program Files\Informatica\UMDS_6.0_client\openmdx-kernel.jar umdsend -S ip:port  
sample
```

If there are problems, first check version compatibility by issuing the following command:

```
> java -version
```

Compare the installed java version with the version in the UMDS jar file name. The jar file should be older or at the same version as the installed java version.