

# Informatica® Corporation

## Ultra Messaging Router

### Version 6.7

### Release Notes

#### April 2014

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This document contains important information about new features, enhancements, and limitations for the Ultra Messaging Dynamic Routing Option.

## New Features and Enhancements

Ultra Messaging Router 6.7 includes the following new features and enhancements. This list does not include features introduced in the previous release.

- The UM Router now checks configuration option values to ensure that they are within valid ranges.
- For UM Router XML configuration files you can use the XInclude mechanism to merge multiple configuration files.

## Known Limitations

The following table describes known limitations:

| Bug Number | Description   |
|------------|---|
| 3548       | The UM Router cannot run as a standalone Windows service.   |
| 4126       | When using LBT-IPC transports, 64-bit applications cannot interoperate with 32-bit applications, with or without UM Routers.  |
| 4551       | If using LBT-RDMA with the UM Router and you exit the UM Router with <b>Ctrl-C</b> , you might see a segmentation fault. Informatica has not observed any ill effects from this segmentation fault. |

| Bug Number | Description  |
|------------|--|
| 7784       | Setting option <code>&lt;max-datagram&gt;</code> to a value other than the default of 65535 can cause an infinite loop.  |
| 8736       | When shutting down and restarting a UM Router, the UM Router sometimes does not restart properly, with an indication that the webmon port is still in use.   |
| 8858       | <p>When starting a UM Router on Windows with one or more peer portals configured with dual TCP, and the peer is unable to connect to the other peer, The UM Router might log the following message:</p> <pre>CoreApi-5688-3799: WSAEventSelect: (10038) An operation was attempted on something that is not a socket.</pre> <p>If this happens, to connect to the other peer you must restart the UM Router.</p> |
| 8871       | UM Router daemons using single-tcp peer links might incorrectly declare peer links as inactive, and attempt to tear down and re-establish the peer connection. To avoid this problem, set option <code>fd_management_type</code> to <code>poll</code> for UNIX, or <code>wsaeventselect</code> for Windows.  |
| 8880       | UM Router daemons using dual-tcp peer links might issue many <code>Core-5688-3808</code> log messages. To avoid this problem, set option <code>fd_management_type</code> to <code>select</code> for UNIX, or <code>wsaeventselect</code> for Windows.  |

## Fixed Limitations

The following table describes fixed limitations:

| Bug Number | Description  |
|------------|--|
| 7276       | When using an aggressive keepalive configuration on a UM Router peer link, the UM Router might fatally terminate.  |
| 8256       | <p>When configuring a UM Router Peer Connection on a Microsoft Windows machine, the single-tcp configuration option can result in no message traffic across the link.</p> <p>As a solution, Ultra Messaging now handles all documented error conditions, instead of only WSAECONNREFUSED. This solution addresses issues where a UM Router would not reconnect with a peer under timeout conditions.</p> |
| 8303       | A UM Router might crash when peer connections between two UM Routers quickly disconnect and reconnect.   |
| 8446       | For Windows and 32-bit UNIX platforms, the web monitor displays non-zero values for the statistic <code>Transport topic fragments/bytes dropped due to blocking</code> , but Ultra Messaging does not log the message <code>[information] Gwd-6945-2: Portal [xxx] dropping data due to high volume</code> .   |
| 8459       | Single TCP connections repeatedly disconnect and reconnect under certain conditions  |
| 8461       | UM Router peer connections, both dual and single TCP, might encounter an error and not be restarted. One side effect for the solution to this is that the UM Router now logs every connection attempt failure, resulting in more log messages if the other peer is not up.   |

| Bug Number | Description   |
|------------|---|
| 8752       | Error message Core-5688-1890: handle events returned error 4 [CoreApi-5688-3837: WFMO: (87) The parameter is incorrect] sometimes occurs, primarily in a peer portal connection.  |
| 8763       | The UM Router sometimes asserts with the messages WARNING: failed assertion [Portal->peer.adjacent_node_id==0] at line 2679 in ../../../../src/gateway/tnwgpeer.c and FATAL: failed assertion [void_o_entry!=NULL] at line 4205 in ../../../../src/gateway/tnwgpeer.c . |

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