Informatica Ultra Messaging (Version 5.3.5)

Operations Guide

Informatica Ultra Messaging Operations Guide

Version 5.3.5
November 2013

Part Number: UM-OPS-53000-0001

Table of Contents

Preface

This document introduces important fundamental design concepts behind Ultra Messaging® high performance message streaming. Understanding these concepts is important to software developers designing and writing application code that uses the Ultra Messaging® Application Programming Interfaces (API).

Informatica Resources

Informatica My Support Portal

As an Informatica customer, you can access the Informatica My Support Portal at http://mysupport.informatica.com.

The site contains product information, user group information, newsletters, access to the Informatica customer support case management system (ATLAS), the Informatica How-To Library, the Informatica Knowledge Base, Informatica Product Documentation, and access to the Informatica user community.

Informatica Documentation

The Informatica Documentation team takes every effort to create accurate, usable documentation. If you have questions, comments, or ideas about this documentation, contact the Informatica Documentation team through email at infa_documentation@informatica.com. We will use your feedback to improve our documentation. Let us know if we can contact you regarding your comments.

The Documentation team updates documentation as needed. To get the latest documentation for your product, navigate to Product Documentation from http://mysupport.informatica.com.

Informatica Web Site

You can access the Informatica corporate web site at http://www.informatica.com. The site contains information about Informatica, its background, upcoming events, and sales offices. You will also find product and partner information. The services area of the site includes important information about technical support, training and education, and implementation services.

Informatica How-To Library

As an Informatica customer, you can access the Informatica How-To Library at http://mysupport.informatica.com. The How-To Library is a collection of resources to help you learn more about Informatica products and features. It includes articles and interactive demonstrations that provide

solutions to common problems, compare features and behaviors, and guide you through performing specific real-world tasks.

Informatica Knowledge Base

As an Informatica customer, you can access the Informatica Knowledge Base at http://mysupport.informatica.com. Use the Knowledge Base to search for documented solutions to known technical issues about Informatica products. You can also find answers to frequently asked questions, technical white papers, and technical tips. If you have questions, comments, or ideas about the Knowledge Base, contact the Informatica Knowledge Base team through email at KB_Feedback@informatica.com.

Informatica Support YouTube Channel

You can access the Informatica Support YouTube channel at http://www.youtube.com/user/INFASupport. The Informatica Support YouTube channel includes videos about solutions that guide you through performing specific tasks. If you have questions, comments, or ideas about the Informatica Support YouTube channel, contact the Support YouTube team through email at supportvideos@informatica.com or send a tweet to @INFASupport.

Informatica Marketplace

The Informatica Marketplace is a forum where developers and partners can share solutions that augment, extend, or enhance data integration implementations. By leveraging any of the hundreds of solutions available on the Marketplace, you can improve your productivity and speed up time to implementation on your projects. You can access Informatica Marketplace at http://www.informaticamarketplace.com.

Informatica Velocity

You can access Informatica Velocity at http://mysupport.informatica.com. 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 have questions, comments, or ideas about Informatica Velocity, contact Informatica Professional Services at ips@informatica.com.

Informatica Global Customer Support

You can contact a Customer Support Center by telephone or through the Online Support.

Online Support requires a user name and password. You can request a user name and password at http://mysupport.informatica.com.

The telephone numbers for Informatica Global Customer Support are available from the Informatica web site at http://www.informatica.com/us/services-and-training/support-services/global-support-centers/.

CHAPTER 1

Monitoring UM Statistics, Logs and Daemons

This chapter includes the following topics:

Monitoring Transport Statistics

Monitoring the activity on your UM transport sessions is the most important component of your UM monitoring effort. UM provides the following four methods to monitor your **UM** activities.

- Use **UM** API function calls within your applications to retrieve statistics and deliver them to your monitoring application.
- Use the **UM** Monitoring API to more easily retrieve and send statistics to your monitoring application.
- Use Automatic Monitoring to easily employ the **UM** Monitoring API to monitor **UM** activity at an **UM** context level.
- Use the **Ultra Messaging SNMP Agent** and MIB (purchased separately to monitor statistics through a Network Management System). See *The Ultra Messaging SNMP Agent* for detailed information.

Automatic Monitoring is the easiest method to implement using configuration options or environment variables. Since many topics can use multiple transport sessions, UM Monitoring doesn't provide transport information for individual topics. From an Operations point of view, however, the health and behavior of your transport sessions is more correlated to system performance. Although UM Monitoring also provides statistics on event queues, these statistics are more specific to a single application and not a system wide health indication.

The optimum interval for collecting statistics is between 5-10 seconds. The shorter the interval, the greater the data collected which may require most advanced methods of evaluation.

This section lists some of the more important transport statistics to monitor listed by transport type.

LBT-RM and LBT-RU Receiver Statistics

Essentially, aside from **msg_rcved** and **bytes_rcved**, if any receiver statistics increment, a problem may exist. The following lists the most important statistics.

1. **naks_sent**means a transport has a gap in sequence numbers, which can be recoverable or unrecoverable loss.
2. **unrecovered_txw** and **unrecovered_tmo** loss statistics. Indicates retransmissions not delivered to a receiver. (The receiving application will have received a LBM_MSG_UNRECOVERABLE_LOSS or LBM_MSG_UNRECOVERABLE_LOSS_BURST log message via its receive callback, which should be found in the streaming or API log file.
3. **lbm_msgs_no_topic_rcved** indicates that receivers may be doing too much topic filtering (wasting CPU resource) because they are processing messages in which they have no interest. If this statistic is greater than 25% of msgs_rcvd , a problem may exist or topics may need to be distributed to different transport sessions.
4. **dgrams_dropped_*** - Indicates the reception of invalid datagrams, e.g. a non-UMS datagram or datagram from an incompatible version.

LBT-RM and LBT-RU Source Statistics

The following lists the most important statistics.

1. **rxs_sent** indicates that some lost messages are being recovered, but the reason for the loss should be investigated and corrected.
2. **naks_shed** indicates the number of retransmission requests (NAKs) the source transport has not fulfilled, sending a NCF instead. This statistics can help pinpoint transport bottlenecks, such as **retransmit_rate_limiter** (configuration option).

TCP Receiver and Source Statistics

lbm_msgs_no_topic_rcvd. Indicates that receivers may be doing too much topic filtering (wasting CPU resource) because they are processing messages in which they have no interest. If this statistic is greater than 25% of **msgs_rcvd** , a problem may exist or topics may need to be distributed to different transport sessions.

LBT-IPC Receiver and Source Statistics

lbm_msgs_no_topic_rcvd. Indicates that receivers may be doing too much topic filtering (wasting CPU resource) because they are processing messages in which they have no interest. If this statistic is greater than 25% of **msgs_rcvd**, a problem may exist or topics may need to be distributed to different transport sessions.

Event Queue Statistics

The following lists the most important statistics.

1. **data_msgs** & **events** - Total data messages and events enqueued - check these not growing beyond pre-defined bounds

2. **age_mean** & **age_max** - If an application uses a receive-side event queue for message delivery rather than direct callbacks, this indicates average and longest time messages wait on that queue before the application starts processing them.
3. **data_msgs_svc_mean** & **data_msgs_svc_max** - indicates average and longest time the application spends processing each event-queued message.

Monitoring Application Log Messages

UM returns log messages to your application when conditions warrant. Your applications can decide what messages to collect and log. Most UM development teams are concerned with the efficiency and performance of their applications and therefore will log any messages returned to their applications from UM. It may be helpful to meet with your UM development team to learn exactly what they log and how best to monitor the log files. Ideally your UM development team includes a timestamp when they log a message, which can be important for comparison of disparate data, such as CPU information to transport statistics.

See the UM Log Messages section for individual messages and descriptions.

UM daemons (lbmrd, umestored, tnwgd) automatically log messages to the log files specified in their XML configuration files.

Monitoring the UMP Store Daemon (umestored)

The UM store provides persistence services to UM sources and receivers. Multiple stores can be used in the following two configurations .

- Round-Robin, which allows only one store of the group to be the active store.
- Quorum/Consensus, which allows a number of stores to be used at the same time. Multiple stores can fail and **UMP** can continue operation unhindered.

Monitor the following for all stores.

- Store log files
- Application events and log files
- Store's internal transport statistics
- UMP store daemon web monitor

Store Log File

The store's XML configuration file specifies the location of the log file. UM always appends store log files. If you use the same log file for the same store over multiple days, it will contain all the information logged across a number of days. Each store should have its own log file.

The following lists critical things to monitor in a store log file.

- aio_warnings - may indicate a problem with the disk (disk full, cannot write, etc.)
- Proxy source creation - indicates that a source 'went away'. This may be fine, but could also indicate an error condition. Discuss with your UM development team when this event is safe and when it indicates a problem.

- Rapid log file growth - Log files growing rapidly or growing much more rapidly than normal, may indicate a problem. Look at what types of messages are being written to the log at higher-than-normal rates to see where the issue might be.

In application log files, look for LBM_SRC_EVENT_UME_REGISTRATION_ERROR messages. These can indicate many different problems that will prevent message persistence. See the UM Log Messages section for details.

Monitoring a Store's Internal Transport Statistics

Since `umestored` is a proprietary UM application developed with the UM API library, you can configure the daemon with automatic monitoring and then access transport statistics for the daemon's internal sources and receivers. To accomplish this, follow the procedure below.

1. Enable Automatic Monitoring in the UM configuration file cited in the umestored XML configuration file's <daemon> element.
2. For each store configured in the umestored XML configuration file, add a **<context-name>** element. Automatic Monitoring then maintains complete transport statistics for each store at the interval set in the UM configuration file.

UMP Store Web Monitor

Explanations of umestored statistics can be found in *Section 13*, *UM Guide for Persistence and Queuing*. The store XML configuration file contains the location of the Store Web Monitor. Information you can monitor on the umestored Web Monitor include the following.

1. List of stores the daemon is running.
2. List of topics and wildcard topic patterns for each store, along with registration IDs for the sources sending on the topics.
3. Source and receiver information for each topic.
4. UM Stats or transport-level statistics for underlying receivers in the store. These are similar to the transport statistics mentioned earlier, however they indicate how the store is communicating with its sources for a given topic. For example, a non-zero number of **naks_sent** means the store is experiencing some loss.

TIP: You can build a script that executes the Linux wget command at a 5 second interval to grab a web monitor screen shot and save it to a directory or file. (Also curl or geneos web tool kit.)

Detecting UMP Store Failures

You can detect the loss of a store with the following.

- Loss of the UMP Store's Process ID (PID)
- Application log messages stating the loss of connection to the store

Stores can also be "too busy" and therefore cannot service source and receiving applications. Sources declare a store inactive with the LBM_SRC_EVENT_UME_STORE_UNRESPONSIVE event when the store's activity timeout expires . This can be caused by the following.

- Disk is too busy (or when the system starts swapping)
- The store is processing an overly-large load of recovery traffic. You may want to recommend that UM administrators consider a larger quorum / consensus group size.

Monitoring the UM Gateway (tnwgd)

The Ultra Messaging UM Gateway links disjoint topic resolution domains by forwarding multicast and/or unicast topic resolution traffic ensuring that receivers on the "other" side of the UM Gateway receive the topics to which they subscribe. See the *UM Gateway Guide* for more details.

Understand UM Gateway (tnwgd) output traffic and WAN impacts - especially the use of rate limiters.

- WAN overrun is the number one source of UM Gateway problems
- Test WAN link throughput to determine the real limits of the UM Gateway and environment
- Make sure WAN bandwidth can cope with UM and any other traffic

Review and understand loss conditions unique to using a UM Gateway. Collaborate with your UM development team to ensure the correct tuning and configurations are applied for your messaging system. Also monitor latency over the UM Gateway with the UM sample application `lbmpong` routinely and monitor output.

Monitor the following for UM Gateways.

- UM Gateway log files
- Application events and log files
- UM Gateway internal transport statistics
- UM Gateway daemon web monitor

UM Gateway Log File

You can monitor the UM Gateway log for changes detected by the UM Gateway. Like store logs, UM Gateway logs are appended, not overwritten. In general, you can ignore most Level 7 LBM_LOG_INFO messages. Critical and warning (Level 2 MUL_LOG_CRIT and Level 5 MUL_LOG_WARNING) messages should always be investigated as soon as they occur.

The following are important UM Gateway (tnwgd) log messages.

Connection Failure Messages to Monitor

- peer portal [name] failed to connect to peer at [IP:port] via [interface] [err]: *reason*
- peer portal [name] failed to accept connection (accept) [err]: *reason*

Lost Connection Messages to Monitor

- peer portal [name] lost connection to peer at [IP:port] via [interface]
- peer portal [name] connection destroyed due to socket failure
- peer portal [name] detected dropped inbound connection (read) [err]: *reason*
- peer portal [name] detected dropped inbound connection (zero-len read)

Endpoint Messages to Monitor

If a store is adjacent to the gateway and the gateway has been restarted, messages in the following form appear in the log file.

endpoint portal [name] has no forwarding entry for destination ctxinst [string], dropping msg (lbmc cntl ume) These messages are normal and will stop when the gateway has established the forwarding information for the given context.

Peer Messages to Monitor

Dual TCP:

- peer portal [name] received connection from [IP:port]
- peer portal [name] connected to [IP:port]

Single TCP:

- Acceptor: peer portal [name] received connection from [IP:port]
- Initiator: peer portal [name] connected to [IP:port]

UM Gateway Transport Statistics

Using the **<monitor>** element in a UM Gateway's XML configuration file, you can monitor the transport activity between the UM Gateway and its Topic Resolution Domain. The configuration also provides Context and Event Queue statistics. The statistics output identifies individual portals by name.

UM Gateway Web Monitor

The UM Gateway web monitor provides access to a UM Gateway's portal and general statistics and information. The UM Gateway XML configuration file contains the location of the gateway web monitor. The default port is 15305.

A UM Gateway Web Monitor provides a web page for each endpoint and peer portal configured for the UM Gateway. Peer portals connect UM Gateways and communicate only with other peer portals. Endpoint portals communicate with topic resolution domains. Each statistic display a value for units (messages or fragments) and bytes.

Important statistics you can monitor on the **tnwgd** Web Monitor include the following.

Endpoint Send Statistics

Increases in the Endpoint Send Statistics values indicate errors and problems. A separate statistic appears for each of the three types of topic message: transport topic, immediate topic, immediate topicless.

1. Fragments/bytes dropped due to blocking - Indicates inability to send due to a transport's rate controller. Message rates on other portals probably exceed the rate controller limit on the monitored portal. The UM Gateway's XML configuration file may need to be adjusted.
2. Fragments/bytes dropped due to error - Indicates a possible network socket or memory failure.
3. Fragments/Bytes Dropped Due To Fragment Size Error - Indicates a configuration error which should be corrected. Maximum datagram size for all transports must be the same throughout the network. Nonzero indicates fragments were received which were larger than the egress portal's maximum datagram size.

Peer Send Statistics

Increases in the Peer Send Statistics values indicate errors and problems.

1. Fragments/bytes (or messages/bytes) dropped (blocking) - The result of attempting to send too much data via the peer link.
2. Fragments/bytes (or messages/bytes) dropped (not operational) - Peer connection not yet fully established. The UM Gateway peer could be down or starting up.
3. Current/maximum data bytes enqueued - Indicates how much data is currently queued and indicates the maximum amount of data queued because the incoming rate exceeded what the TCP connection could handle. Results in a latency penalty. Size of the queue is limited, so if the limit is exceeded, messages are dropped due to blocking.

4. Messages or bytes Received / Fragments or bytes Forwarded - Increasing counters indicate communicating peers. Stagnant counters indicate a lack of traffic flow. A sender could be down, receivers on the remote side could have no interest for the topics, the peer connection could have failed.

Detecting UM Gateway Failures

You can detect the loss of a UM Gateway by the following.

- Loss of the UM Gateway's Process ID (PID)
- Loss of the UM Gateway's Web Monitor (you can poll the UM Gateway's Web Monitor to be sure it is accessible.)
- Monitoring the performance of applications sending messages through the UM Gateway.
  - Are applications receiving the appropriate volume of data?
  - Do you see a high number of retransmissions?
  - Are applications generating the expected number of actions? Understanding the expected flow and actions is critical and requires collaboration with your UM development team.
- Monitoring network performance and behavior in and out of the UM Gateway. Understanding your network topology and the expected network traffic through the UM Gateway is critical and requires collaboration with your UM development team.

Monitoring Messaging System Resources

In addition to monitoring UM activity, you must also consider the health and activity of your system resources.

- CPU usage
- Memory Usage
- (netstat -s)
- Latency
- UDP buffers

Informatica recommends periodic checks of system resources that employ
. It is one of the most authoritative logs you can look at to see how your system is behaving. For example, running a daily or weekly sanity check on the percentage of topic-resolution traffic to data traffic can be very useful.

UMP Store System Considerations

Consider the following system issues regarding UMP Store monitoring.

- Make sure that the environment in which a UMP Store daemon (umestored) is started has enough available file descriptors for the number of sources in your environment. UM uses a minimum of 2 file descriptors per UM source in addition to normal UM file descriptors for transports and other objects. You can use **ulimit** in Linux and *Process Explorer* on Microsoft® Windows® to monitor file handles.

  Note: The reduced-fd repository type uses 5 File Descriptors for the entire store, regardless of the number of topics, in addition to normal UM file descriptors for transports and other objects. Use of this repository type may impact performance.
- Monitor system resources (CPU usage, memory, disk space, wait%, memory swapping.
- If the system is about to start swapping, your resources are insufficient for the required system performance. Reconfiguration and/or additional resources will be required.

Sources of Latency

The following are common sources of latency.

- Loss and recovery
- Slow receivers
- Wildcard receivers with overly broad interest patterns
- High resource utilization
- 'Busy' applications - messages backed up in event queues. Your UM Development Team can tell you if your UM applications use event queues.

Runtime Diagnostics

Use the following to validate a healthy system.

- UM monitoring metrics are active as a sign of liveness
- Pre-defined thresholds are not breached in the monitoring systems
- Application logs are clear of errors/warnings
- Required processes are running i.e. **lbmrd**
- General system resources are within pre-defined bounds i.e. CPU, memory, network stats (specific to the applications)
- Operating system e.g. UDP buffers for loss detection

Use the following to validate the system is operating within acceptable limits.

1. Monitor memory usage and growth over time.
   - Applications with increasing memory could indicate a future problem
   - Could indicate apps are misconfigured for required scalability
   - Event queue growth (also UM metrics)
   - Theoretical memory limits for 32-bit/64-bit processes, dependent on OS and language choice.
2. Spikes in CPU usage across multiple systems indicate a system wide event and could be an indication of a "crybaby" receiver causing source retransmissions or a rogue wildcard receiver.
3. Monitor network activity across the environment.
   - Switch failures / unplugged cable
   - Network Interface Card (NIC) failures

- Symptoms of NIC bonding failure
- Significant changes in overall network traffic could indicate a problem such as loss (discussed later)

4. Look for correlated activity. Do CPU spikes and network spikes lead or lag each other?
5. Build thresholds based on an established business as usual (BAU) baseline.
6. These diagnostics and UM metrics could indicate a general problem with the applications, network or underlying hardware.

Startup/Shutdown Procedures 5.3

In a multicast environment, only the applications and monitoring tools need to be started. If using UMP (Persistence) the store daemon (**umestored**) also needs to be started. Likewise, use of the UM Gateway requires starting the UM Gateway daemon (**tnwgd**).

In a unicast-only environment, one or more resolver daemons (**lbmrd**) are typically required. It is recommended that you start the lbmrd before starting the applications.

Informatica recommends that you shutdown applications using UM sources and receivers cleanly, even though UM is able to cope with the ungraceful shutdown and restart of applications and UM daemons.

A failed assertion could lead to immediate application shutdown. If opting to restart a UM client or **lbmrd**, no other components need be restarted. Failed assertions should be logged with Informatica support.

Topic Resolution

Your UM development or administration team should anticipate the time and bandwidth required to resolve all topics when all applications initially start. This team should also establish any restarting restrictions. Operations staff should not have any direct topic resolution tasks aside from monitoring the increased CPU and bandwidth usage.

Topic resolution is the discovery of a topic's transport session information by a receiver to enable the receipt of topic messages. Although in a multicast environment, topic resolution does not need to be started or shutdown, it does use network resources and can cause deaf receivers and other problems if not operating properly. See *Topic Resolution* in the *UM Concepts Guide* for more detailed information.

Applications cannot deliver messages until topic resolution completes. UM monitoring statistics are active before all topics resolve. In a large topic space approximately 10,000 topics) topic resolution messages may be 'staggered' or rate controlled, taking potentially several seconds to complete.

For example, 10,000 topics at the default 1,000 **resolver_initial_advertisements_per_second** will take 10 seconds to send out an advertisement for every topic. If all receiving applications have been started first, fully resolving all topics may not take much more than 10 seconds. The rate of topic resolution can also be controlled with the **resolver_initial_advertisement_bps** configuration option. Topic advertisements contain the topic string and approximately 110 bytes overhead. Topic queries from receivers contain no overhead, only the topic string.

UM Applications

Your UM development team should provide you with the application names, resident machines and startup parameters, along with a sequence of application/daemon startups and shutdowns.

The following lists typical application startup errors.

- Lack of resources
- License not configured - LOG Level 3: CRITICAL: LBM license invalid [LBM_LICENSE_FILENAME nor LBM_LICENSE_INFO are set]
- Cannot bind port - lbm_context_create: could not find open TCP server port in range.
  Too many applications may be running using the UM context's configured port range on this machine. This possibility should be escalated to your UM development team.

  Application is possibly already running. It is possible to start more than one instance of the same UM application.
- Invalid network interface name / mask - lbm_config: line 1: no interfaces matching criteria
- Multiple interfaces detected - LOG Level 5: WARNING: Host has multiple multicast-capable interfaces; going to use [en1][10.10.10.102]
  This message appears for multi-homed machines. UM is not explicitly configured to use a single interface. This may not cause an issue but requires configuration review by your UM development team.

Indications of Possible Application Shutdown

A UM application shutdown may not be obvious immediately, especially if you are monitoring scores of applications. The following lists events that may indicate an application has shutdown.

- The Process ID disappears. Consider a method to monitor all process IDs (PIDs).
- You notice the existence of a core dump file on the machine.
- UM statistics appear to reduce in volume or stop flowing.
- In an Application Log, one or more End Of Session (EOS) events signaling the cessation of a transport session. This may indicate a source application may have shut down. Your UM development team must explicitly log LBM_MSG_EOS events. Some EOS events may be delayed for some transports.
- In an Application Log, disconnect events (LBM_SRC_EVENT_DISCONNECT) for unicast transports (if implemented) indicate UM receiver applications have shutdown.

Unicast Topic Resolver (lbmrd)

If not using multicast topic resolution, one or more instances of **lbmrd** must be started prior to stating applications. Unicast resolver daemons require an XML configuration file and multiple resolver daemons can be specified by your UM development team for resiliency. See *UM Concepts Guide*, *Unicast Topic Resolution* for more details.

Execute the following command on the appropriate machine to start a unicast topic resolver (**lbmrd**).

lbmrd --interface=ADDR -L daemon_logfile.out -p PORT lbmrd.cfg

- To stop the resolver, use the kill command.
- If a unicast resolver daemon terminates, restart it.
- Observe the **lbmrd** logfile for errors and warnings

If running multiple s and an **lbmrd** in the list becomes inactive, the following log message appears.

unicast resolver <ip>:<port> went inactive

If all unicast resolver daemons become inactive, the following log message appears,

No active resolver instances, sending via inactive instance

After all topics are resolved, daemons do not strictly need to be running unless you restart applications. Resolver daemons do not cache or persist state and do not require other shutdown maintenance.

UMP Store (umestored)

Stores can operate in disk-backed or memory-only mode specified in the store's XML configuration file. Disk backed stores are subject to the limitations of the disk hardware. Stores should not be run on virtual machines and each store should have a dedicated disk. UM holds messages in memory until written to disk.

Starting a Store

Execute the following command on the appropriate machine to start a (**umestored**).

umestored config-file.xml

- Record umestored PID to monitor process presence for failure detection.
- On Microsoft Windows®, monitor the umestored service.
- Observe the **umestored** logfile for errors and warnings

In disk mode, stores create two types of files.

- Cache file - contains the actual persisted messages, and can grow to be very large over time. It is important to ensure that there is enough disk space to record the appropriate amount of persisted data.
- State file - contains information about the current state of each client connection and is much smaller.

Stores do not create any files in memory-only mode.

Restarting a Store

Perform the following procedure to restart a store.

1. If the store is still running, kill the PID (Linux) or use the Windows Service Manager® to stop the Windows service.
2. If you want a clean "start-of-day" start, delete the cache and state files. The location of these files is specified in the store's XML configuration file.
3. Wait 20-30 seconds to let timeouts expire. Due to its use of connectionless protocols, UMP depends upon timeouts. Therefore, do not rapidly restart the store.
4. Run the command: umestored config-file.xml**umestored** automatically uses the existing cache and state files after a graceful shutdown and resumes as part of the current messaging stream at its last known position.

Common Startup and Shutdown Issues

- Cache and state directories don't exist.
- Disk space - Cache files contain the actual persisted messages, and can grow to be very large over time. It is important to ensure that there is enough disk space to record the appropriate amount of persisted data.
- Configuration error - UM parses a store's XML configuration file at startup, reporting errors to standard error.
- Configuration error - UM reports other configuration errors the store's log file.
- Missing license details.

UM Gateway (tnwgd)

When a UM Gateway starts it discovers all sources and receivers in the topic resolution domains to which it connects. This results in a measurable increase and overall volume of topic resolution traffic and can take some time to complete depending upon the number of sources, receivers, and topics. The rate limits set on topic resolution also affect the time to resolve all topics.

See also " Topic Resolution" on page 9 above.

Starting a UM Gateway

Execute the following command on the appropriate machine to start a UM Gateway (**tnwgd**).

tnwgd config-file.xml

- Record **tnwgd** PID to monitor process presence for failure detection.
- Observe the **tnwgd** logfile for errors and warnings.

Restarting a UM Gateway

Perform the following procedure to restart a UM Gateway.

1. If the UM Gateway is still running, kill the PID.
2. Wait 20-30 seconds to let timeouts expire. After a restart new proxy sources and receivers must be created on the UM Gateway. Applications will not use the new proxies until the transport timeout setting expires for the old connections. Until this happens, applications may appear to be "deaf" since they are still considering themselves as connected to the "old" UM Gateway proxies. Therefore, do not rapidly restart the UM Gateway.
3. Run the command: tnwgd config-file.xml

UM Analysis Tools

Tools available to analyze UM activity and performance.

Packet Capture Tools

- **Wireshark**® is an open-source network packet analysis tool, for which Informatica provides 'dissectors' describing our packet formats. It is used to open and sift through packet capture files, which can be gathered by a variety of both software and hardware tools. For more information about Wireshark or to download the UM Wireshark plugins, please visit http://www.29west.com/wireshark.
- **Tshark** is a command-line version of Wireshark.
- **Tcpdump** is the primary software method for gathering packet capture data from a specific host. It is available on most Unix-based systems, though generally gathering packet captures with the tool requires super-user permissions.

Resource Monitors

- **Top** is a system resource monitor available on Linux/Unix that presents a variety of useful data, such as CPU use (both average and per-CPU), including time spent in user mode, system mode, time processing interrupts, time spent waiting on I/O, etc.
- **Microsoft** ®**Windows**® **System Resource Manager** manages Windows Server® 2008 processor and memory usage with built-in or custom resource policies.
- **prstat** is a resource manager for Solaris® that provides similar CPU and memory usage information.

Process Analysis Tools

- **pstack** dumps a stack trace for a process (pid). If the process named is part of a thread group, then **pstack** traces all the threads in the group.
- **gcore** generates a coredump for a Solaris, Linux, and HP-UX process. The process continues after core has been dumped. Thus, **gcore** is especially useful for taking a snapshot of a running process.

Network Tools

- **netstat** provides network statistics for a computer's configured network interfaces. This extensive command-line tool is available on Linux/Unix based systems and Windows operating systems.
- **wget** is a Linux tool that captures content from a web interface, such as a UM daemon web monitor. Its features include recursive download, conversion of links for offline viewing of local HTML, support for proxies, and more.
- **netsh** is a Windows utility that allows local or remote configuration of network devices such as the interface.

UM Tools

- **lbmmoncache** is a utility that monitors both source notification and source/receiver statistics. Contact UM Support for more information about this utility.
- **lbtrreq** restarts the opic resolution process. Contact UM Support for more information about this utility.

UM Debug Flags

The use of UM debug flags requires the assistance of UM Support. Also refer to the following Knowledge Base articles for more information about using debug flags.

- KB ID: 80100 - Using debug flags
- KB ID: 80101 - Using debug flags in application code
- KB ID: 80242 - Using debug flags with daemons
- KB ID: 80241 - Using debug flags with daemons running as windows services

CHAPTER 2

Troubleshooting UM Applications

This chapter includes the following topics:

Application Crashes

These are common application and daemon liveness issues.

UMP Store Crashed

Symptom	Cause	Resolution
umestored process (PID) not running or a core file exists		Contact Informatica Support

UM Router Crashed

Symptom	Cause	Resolution
tnwgd process (PID) not running or a core file exists		Contact Informatica Support

Excessive Resource Use

Symptom	Cause	Resolution
Excessive CPU usage, often 100%	- Application thread may be deadlocked or spinning. - Heap fragmentation on source (with Smartheap) - Overloaded transports - Improper allocation of transports and applications causing kernel-level copying of messages	Check "no-topic-messages" statistic. Check if SI% (time spent processing system interrupts) is high; if so there may be too many contexts interested in the same transport data Contact Informatica Support

Crash on deletion of an object

Symptom	Cause	Resolution
Application doesn't shutdown well -or- Application crashes during shutdown or the deletion of an object	Improper object deletion	See Informatica UM Knowledge Base article, *LBM Deletion Best Practices* (ID 80076)

Datagram size mismatches

Symptom	Cause	Resolution
Log message: endpoint portal [%s] unable to send: datagram size mismatch. transport_XXX_datagram_max_size must be properly configured.	Datagram sizes are inconsistently configured across the system.	Coordinate the maximum datagram size among the following configuration options. - resolver_datagram_max_size - transport_tcp_datagram_max_size - transport_lbtrm_datagram_max_size - transport_lbtru_datagram_max_size - transport_lbtipc_datagram_max_size - transport_lbtrdma_datagram_max_size - <max-datagram> for the UM Router's Peer portal.

Assertions

UM produces assertions for conditions that are not expected to occur. They are not error conditions and indicate extenuating conditions that we don't handle or don't expect.

Fatal Assertions

Fatal assertions appear for conditions that are not expected to occur and therefore require a shutdown.

Contact Informatica Support.

Non-fatal Assertions

Non-fatal assertions occur for unexpected conditions but do not require shutdown. Normal operation may continue.

Contact Informatica Support.

Message Loss

UM can recover message loss automatically but any recurring loss situation should be investigated and resolved.

Symptom

The receiving application monitoring statistic, **lost**, reports the number of datagrams detected as lost.

In addition, NAKing activity also indicates message loss, however, you could turn NAKing off. (If you are concerned about message loss, however, you should not turn it off.) Your source application monitoring statistics show values for **naks_rcved** or **nak_pckets_rcved**. Receiving application monitoring statistics show values for **naks_sent** or **nak_pckets_sent**. Refer to Chapter 1, “Monitoring UM Statistics, Logs and Daemons” on page 1.

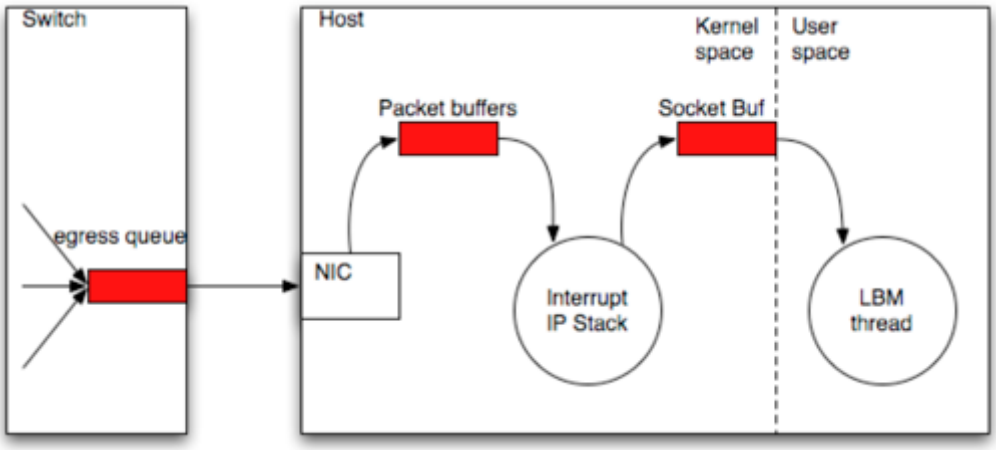
Cause

Message loss in source-paced transports (LBT-RM, LBT-RU) can occur due to the following.

- Slow or overloaded receiver applications drop packets because, for example, the CPU can't service network interrupts or UDP socket buffers.
- An overloaded network infrastructure drops packets because of, for example, switch buffer overflows or NIC ring buffer overflows.
- A network component fails.

The following diagram depicts possible locations of message loss.

Figure 1. Buffers Where Message Loss Can Occur



Resolution

Select the appropriate command from the table below to diagnose UDP socket buffer or NIC ring buffer loss.

Platform	Buffer	Command	Result
Linux	UDP socket buffer	netstat -s	Look for the UDP field, packet receive errors
Linux	NIC ring buffer	ifconfig eth0	Look for RX packets ... overruns
Solaris	UDP socket buffer	kstat | grep udpInOverflows	Look for the UDP field, packet receive errors
Solaris	NIC ring buffer	kstat -n bge0 | grep norcvbuf	Look for RX packets ... overruns
Network component	---	Refer to the components documentation.	---

Use the following table if you find loss with any of the above actions.

If you find loss in ...	And the loss ...	Resolution
UDP socket buffer	occurs in small bursts	Increase the UDP buffer size.
UDP socket buffer	Is constant	Escalate the issue to your UM development team.
NIC ring buffer	---	Maximize the NIC's receive descriptors. If this doesn't reduce the loss, escalate the issue to your UM development team.
A network component	---	Escalate the issue to your network team or UM development team.

If you do not find loss in any buffers or network components, contact Informatica Support.

Note: Microsoft® Windows® does not report buffer loss accurately. If you believe you are experiencing UDP socket buffer overflows, you can try increasing the UDP buffer size. If you believe you are experiencing NIC ring buffer overflows, contact your NIC vendor for assistance.

Unrecoverable Loss

Unrecoverable message loss refers to messages that have not been delivered and are not available for retransmission.

Symptom	Cause	Resolution
Monitoring statistics, **unrecovered_txw** > zero	Unrecovered messages have been removed from the source's transmission and cannot be retransmitted.	Identify the source of the loss using the information found in the section, "Message Loss" on page 16. -or- Contact Informatica Support.
Monitoring statistics, **unrecovered_tmo** > zero	Unrecovered messages that were not recovered before the NAK generation interval expired.	
Application log messages: LBM_MSG_UNRECOVERABLE_LOSS or LBM_MSG_UNRECOVERABLE_LOSS_BURST	Either of the two causes mentioned above for unrecovered_txw or unrecovered_tmo.	

See also Informatica UM Knowledge Base article ID 80014, *LBT-RM reports unrecoverable loss. What should I do?*

High Latency

High latency can appear as latency spikes or just slow recovery processes such as Late Join.

Symptom	Cause	Resolution
Latency spikes	Two most common causes: 1. Misconfigured implicit batching settings. 2. Message Loss	1. Check implicit batching settings. If you desire the lowest latency at all times - which can bring a penalty of higher CPU utilization and increased probability for receivers to experience UDP buffer overflows - set implicit_batching_minimum_length to **1**. The same effect can be achieved by using the LBM_MSG_FLUSH flag inside the **lbm_src_send()** call. 2. Check for loss in receiver statistics. If loss is occurring, refer to "Message Loss" on page 16. If these scenarios are not the problem, contact Informatica Support.
Slow Late Join operation	---	Contact Informatica Support

Deaf Receivers

Receiver deafness is a general term that means receivers are not getting messages. This could be due to messages not being sent or simply not received. Awareness of this condition can come from many sources, such as business people complaining that they are not receiving expected data or from your own monitoring of statistics, application logs or the liveness of processes.

Use the following table to help detect topic or receiver deafness.

Symptom	Cause	Resolution
All transport monitoring statistics stop "ticking".	When statistics for the affected transports stop increasing, it indicates an application has stopped publishing data for some reason. As a result the receivers of that data will go deaf.	Restart the sending applications or contact Informatica Support
LBT-RM or LBT-RU source monitoring statistics, **msgs_sent** and **bytes_sent** stop increasing	Indicates a source or sources has gone offline, resulting in receiver deafness.	Restart the sending applications or contact Informatica Support
LBT-RM or LBT-RU receiver monitoring statistics, **msgs_rcvd** and **bytes_rcvd** stop increasing	Indicates a receiver or receivers have gone offline.	Restart the receiving applications or contact Informatica Support

Symptom	Cause	Resolution
LBT-RU or TCP source monitoring statistics, **num_clients** change in unusual ways.	LBT-RU and TCP sources are able to track the number of connected clients. Unusual changes to the number of connected LBT-RU or TCP clients can indicate a problem. For example, clients dropping off during trading hours, or rapid changes in the number of clients.	Restart the sending and/or receiving applications or contact Informatica Support
End of Session (EOS) messages appear in applications logs.	When activity intervals expire, UM issues EOS messages to receiving applications. These appear in the application logs.	Restart the receiving applications or contact Informatica Support
The lbmrd Process ID (PID) disappears on either a sending or receiving machine(s).	Topic resolution has stopped. May not result in immediate topic deafness if topic resolution has already been completed, but may result in deafness if a new source or receiver comes up.	If the receiving context's monitoring statistic **tr_rcv_unresolved_topics** is zero, all topics are resolved and this may not be a problem. Either restart the receiving applications or contact Informatica Support

Deaf Receivers with the UM Gateway

After a receiver-side gateway is shutdown and restarted, receivers will be deaf to any forwarded traffic until EOS is triggered.

Deaf Wildcard Receivers

Symptom	Cause	Resolution
Wildcard receivers are not receiving messages.	---	- Be sure the resolver_cache is enabled (set to 1, which is the default. - Be sure wildcard queries are enabled by setting resolver_query_minimum_interval is set to the default of 50 ms.

UMP Sending Problems

UM sources sending from a UMP persistence application can encounter problems with flight size or the persistent store.

Flight Size

A blocked source due to flight size limitations is not a visible problem unless the operator can see all data flows through the system.

Symptom	Cause	Resolution
Monitoring statistics show a lower level of activity for a UMP application than expected.	Source not sending because it is blocked by flight size	- Increase flight size by increasing the allowable number of messages in flight with the configuration option, ume_flight_size - Slow down sources. - Contact Informatica Support

Persistent Store Connectivity

Symptom	Cause	Resolution
Store log contains message, LBM_SRC_EVENT_UME_STORE_UNRESPONSIVE	Unresponsive store	The receiver can track the inability to complete registration by correlating the receipt of a new source notification with a LBM_MSG_UME_REGISTRATION _ COMPLETE_EX event. The new source notification is defined by the option receiver source_notification_function. A timer should be set to log a message or trigger an alarm if the completion message is not received after multiple seconds. To match the source in the callback to the completion event, a string comparison should be used on the **lbm_msg->source** field. The timer for each source should be canceled when its registration complete event is received.
The source can detect a loss of quorum by checking the error string passed in for the event LBM_SRC_EVENT_UME_STORE_UNRESPONSIVE. The string will contain "(quorum lost)" .	Lost quorum (EUMENOREG)	Restart the affected persistent stores.

Contacting Informatica Support

Please include the following information when contacting Informatica Support.

- The contact information you would like us to use to contact you: email, cell phone number, office phone number, etc.
- The UM product versions you are running.

- The platforms you run on and whether they are 32-bit or 64-bit.
- The UM components you use, such as UMP, the UM Gateway, etc.
- Is this problem ongoing / repeatable / reproducible?
- Were your applications starting and stopping?
- Was there a burst of message activity?
- All log files
- Any Wireshark or packet captures or a TCP dump.

Thank You.

CHAPTER 3

UM 5.3 Log Messages

This chapter includes the following topics:

UM 5.3 Core Messages

The following table lists log messages from UM core functionality.

You may find searching on the Log Message ID the most effective method to find the message's description.

Table 1. UM 5.3 Core Log Messages

Message	Description	Resolution
Core-5402-1: Hot-failover receiver ignoring mismatched sequence number size	A hot failover receiver dropped a message that had a sequence number size different than what it was expecting.	Ensure that all hot failover sources on the same topic are sending using the same sequence number size
Core-5455-1: epoll_ctl: EPOLL_CTL_DEL returned: errno: %d:%s	If errno is EBADF or ENOENT, File descriptor is closed before lbm_cancel_fd call	
Core-5455-2: lbm_fd_cancel epoll_ctl: epoll_op: %d returned errno:%d:%s	If errno is EBADF or ENOENT, file desc is closed before lbm_cancel_fd_call	
Core-5480-1: OTR Initiated for [%s] [%s]	OTR has been initiated either for the first time on this source, or it has been at least a log_alert_cooldown's length of time since the last log alert.	

Message	Description	Resolution
Core-5480-2: OTR Repeated for [%s][%s] (%u times)	OTR has been ongoing for this source.	
Core-5480-3: no response received to late join initiation request - skipping late join	The receiver was unable to get a response from a source claiming to provide late join.	Contact Informatica support.
Core-5480-45: message delivery failed: persrc ctlr %p perrcv ctlr %p sqn %x	Internal error attempting to process recovered data.	Contact Informatica support
Core-5480-46: rxr ctlr %p request failed recovering sqns %x - %x from perrcv ctlr %p	Internal error attempting to initiate recovery of data.	Contact Informatica support.
Core-5480-47: mtt register failed: (%u) [%s]	Internal error while attempting to process a command on an mtt transport thread.	Contact Informatica support.
Core-5688-1279: WARNING: TCP session exists and uses a different transport_session_maximum_buffer [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_session_maximum_buffer setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1280: WARNING: TCP session exists and uses a different transport_tcp_multiple_receiver_behavior [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_tcp_multiple_behavior setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1281: WARNING: TCP session exists and uses a different transport_source_side_filtering_behavior [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_source_side_filtering_behavior setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1284: WARNING: LBT-RM session for multicast address %s exists and uses a different transport_lbtrm_tgsz [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtrm_tgsz setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	

Message	Description	Resolution
Core-5688-1285: WARNING: LBT-RM session for multicast address %s exists and uses a different transport_lbtrm_ignore_interval [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtrm_ignore_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1286: WARNING: LBT-RM session for multicast address %s exists and uses a different transport_lbtrm_sm_minimum_interval [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtrm_sm_minimum_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1287: WARNING: LBT-RM session for multicast address %s exists and uses a different transport_lbtrm_sm_maximum_interval [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtrm_maximum_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1288: WARNING: LBT-RM session for multicast address %s exists and uses a different transport_lbtrm_transmission_window_size [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtrm_transmission_window_size setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1289: WARNING: LBT-RM session for multicast address %s exists and uses a different transport_lbtrm_transmission_window_size [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtrm_transmission_window_size setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1290: WARNING: LBT-RM session for multicast address %s exists and uses a different transport_lbtrm_coalesce_threshold [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtrm_coalesce_threshold setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	

Message	Description	Resolution
Core-5688-1291: WARNING: LBT-RU session exists and uses a different transport_lbtru_client_map_size [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtru_client_map_size setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1292: WARNING: LBT-RU session exists and uses a different transport_lbtru_transmission_window_size [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtru_transmission_window_size setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1293: WARNING: LBT-RU session exists and uses a different transport_lbtru_transmission_window_size [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtru_transmission_window_size setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1294: WARNING: LBT-RU session exists and uses a different transport_lbtru_ignore_interval [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtru_ignore_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1295: WARNING: LBT-RU session exists and uses a different transport_lbtru_sm_minimum_interval [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtru_sm_minimum_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1296: WARNING: LBT-RU session exists and uses a different transport_lbtru_sm_maximum_interval [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtru_sm_maximum_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	

Message	Description	Resolution
Core-5688-1297: WARNING: LBT-RU session exists and uses a different transport_lbtru_client_activity_timeout [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtru_client_activity_timeout setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1298: WARNING: LBT-RU session exists and uses a different transport_lbtru_coalesce_threshold [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtru_coalesce_threshold setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1299: WARNING: LBT-RU session exists and uses a different transport_source_side_filtering_behavior [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtru_source_side_filtering_behavior setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1302: WARNING: LBT-IPC session exists and uses a different transport_lbtipc_sm_interval [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtipc_sm_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1303: WARNING: LBT-IPC session exists and uses a different transport_lbtipc_transmission_window_size [%d] than requested [%d].	Once a source has created a transport session a subsequent source joining the same transport session cannot configure a different transport_lbtipc_transmission_window_size setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-1305: WARNING: Host has multiple RDMA-capable interfaces; going to use [%s][%s].	As UMS initializes, it scans for RMDA capable interfaces in the system. If more than one is found and a specific interface has not be configured, the first one found will be used. Use "transport_lbtrdma_interface" to specify the desired RDMA interface.	

Message	Description	Resolution
Core-5688-1793: WARNING: Requested receiver attributes will be ignored, previous receiver for topic [%s] has already defined the attributes.	Indicates a programming error where a receiver topic lookup was performed using different receiver attributes. In this case the original attributes are used.	
Core-5688-1795: WARNING: transport_lbtru_activity_timeout [%d] is less than transport_lbtru_nak_generation_interval [%d], this can result in silent data loss if loss occurs within the activity timeout interval prior to the end of the transport session.	If the transport_lbtru_activity_timeout is less than the transport_lbtru_nak_generation_interval it is possible that a receiver can tear down the transport session before it was able to send a NAK for a lost message. When this happens the message is unrecoverable.	
Core-5688-1797: LBT-RU client %s.%u sent unknown CREQ request %x	UMS received a unicast message with an invalid message type. The message is dropped. Contact Informatica support if this message occurs frequently or when only one version of Informatica software is being used.	
Core-5688-1798: LBMD EV version incorrect (%u). Dropping.	UMS daemon received a message with an invalid version number. The message is dropped. Contact Informatica support if this message occurs frequently or when only one version of Informatica software is being used.	
Core-5688-1799: LBMD EV type not support (%u). Dropping.	UMS daemon received a message with an invalid message type. The message is dropped. Contact Informatica support if this message occurs frequently or when only one version of Informatica software is being used.	
Core-5688-1800: LBMD EV source type support (%u). Dropping.	UMS daemon received a message from an unknown type of source. The message is dropped. Contact Informatica support if this message occurs frequently or when only one version of Informatica software is being used.	

Message	Description	Resolution
Core-5688-1801: LBMD EV unknown next header %x, ignoring header.	UMS daemon received a message with a header that was not recognized. This header will be ignored, but the rest of the message will be processed. This is potentially due to a newer version of software sending messages and is not harmful. Contact Informatica support if this message occurs frequently or when only one version of Informatica software is being used.	
Core-5688-1802: LBMD EV unknown next header %x, dropping message.	UMS daemon received a message with an invalid message type. The message is dropped. Contact Informatica support if this message occurs frequently or when only one version of Informatica software is being used.	
Core-5688-1804: HF message receiver function returned -1	An error occurred processing a message received by a hot failover receiver. The message was discarded. Please contact Informatica if this message occurs frequently.	
Core-5688-1811: FATAL: WSA startup error - %d	FATAL: Error in starting Windows Socket. The specific Windows Sockets Error Code is returned in the error message.	
Core-5688-1833: WARNING: Host has multiple multicast-capable interfaces; going to use [%s][%s].	This warning occurs if the host machine has multiple multicast-capable interfaces detected, and the context attributes do not specify an interface (via the resolver_multicast_interface option). In this situation the first interface found is used.	
Core-5688-1836: CRITICAL: DBL support requested, but %s not found. Ensure %s is in the search path to enable DBL support.	This error results when dbl acceleration is specified through context configuration, but we are unable to locate the dbl shared library. Usually this just means adding /opt/dbl/lib/ to your LD_LIBRARY_PATH or the dbl.dll location to your PATH on Windows.	
Core-5688-1841: default thread stack size is perhaps too small, %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small. The size of the default stack size is dumped and will then be set to a larger size automatically.	

Message	Description	Resolution
Core-5688-1842: reset thread stack size to %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small and is reallocated. This message reports the new size of the stack.	
Core-5688-1847: default thread stack size is perhaps too small, %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small. The size of the default stack size is dumped and will then be set to a larger size automatically.	
Core-5688-1848: reset thread stack size to %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small and is reallocated. This message reports the new size of the stack.	
Core-5688-1864: dbl thread join: WFSO res=%d, GLE=%d	An error occurred while waiting for the DBL thread to terminate. Should not happen. Please contact Informatica support for more details.	
Core-5688-1865: lbm_context_delete: WFSO res= %d, GLE=%d	Error waiting for context thread to cleanly exit. Should not happen. Please contact Informatica support for more details.	
Core-5688-1866: lbm_context_delete: ISmall memory leak happened due to probable race condition in Windows. Can be ignored unless it happens many times per hour.		
Core-5688-1879: timer returned error %u [%s]	UMS encountered an error expiring timers while processing events. Please contact Informatica support for more details.	
Core-5688-1880: wait returned error %u [%s]	UMS encountered an error processing an event on a file descriptor. The event is dropped. Please contact Informatica support for more details.	
Core-5688-1881: handle events returned error %u [%s]	Socket returned error while waiting for context deletion. Can ignore unless happens many times per hour.	
Core-5688-1883: timer returned error %u [%s]	UMS encountered an error expiring timers while processing events. Please contact Informatica support for more details.	

Message	Description	Resolution
Core-5688-1888: timer returned error %u [%s]	UMS encountered an error expiring timers while processing events. Please contact Informatica support for more details.	
Core-5688-1889: wait returned error %u [%s]	UMS encountered an error processing an event on a file descriptor. The event is dropped. Please contact Informatica support for more details.	
Core-5688-1890: handle events returned error %u [%s]	Socket returned error while waiting for context deletion. Can ignore unless happens many times per hour.	
Core-5688-1892: timer returned error %u [%s]	UMS encountered an error expiring timers while processing events. Please contact Informatica support for more details.	
Core-5688-261: LBT-RDMA: Client Connection: failed to register client	A client has joined the LBT-RDMA transport but an error occurred trying to add the client to the client map.	
Core-5688-262: LBT-RDMA: Client Disconnect: failed to remove client	A client has left the LBT-RDMA transport but an error occurred trying to remove the client to the client map.	
Core-5688-263: LBT-RDMA: VMS connection failed event (%s)	A connection failed event has been received from the VRT library (formerly VMS library). Please refer to the description given.	
Core-5688-264: LBT-RDMA: unknown VMS connection event ID: %d (%s)	A connection event has been received from the VRT library (formerly VMS library) but the event is not understood. Please refer to the event ID and description given.	
Core-5688-265: LBT-RDMA: VMS Memory error event: (%s)	A memory error event has been received from the VRT library (formerly VMS library). Please refer to the description given.	
Core-5688-266: LBT-RDMA: VMS Generic library event: (%s)	A generic event has been received from the VRT library (formerly VMS library). Please refer to the description given.	
Core-5688-267: LBT-RDMA: VMS unknown library event: %d (%s)	An event was received from the VRT library (formerly VMS library) that is not understood. Please refer to the event ID and description given.	

Message	Description	Resolution
Core-5688-27: WARNING: %s config variable %s is deprecated. Use %s instead.	Configuration option is deprecated and has been replaced, Informatica suggests the config option that can be used instead.	
Core-5688-270: LBT-RDMA: unknown VMS log level: %d (%s)	A log event was received from the VRT library (formerly VMS library) that is not understood. Please refer to the event ID and description given.	
Core-5688-271: LBT-RDMA: VMS transport event received but not expected: %d (%s)	A transport event was received from the VRT library (formerly VMS library) that is not expected. Please refer to the event ID and description given.	
Core-5688-272: LBT-RDMA: VMS fabric event received but not expected: %d (%s)	A fabric event was received from the VRT library (formerly VMS library) that is not expected. Please refer to the event ID and description given.	
Core-5688-273: LBT-RDMA: VMS unknown event class received: %d (%s)	An event was received from the VRT library (formerly VMS library) that is not understood. Please refer to the event ID and description given.	
Core-5688-276: lbtrdma_txw_open: failed to subscribe to VMS store (0x %x:%s:%u)	An error occurred when trying to join the LBT-RDMA transport given. This could occur if the Topic Advertisement is stale and the transport has already been deleted.	
Core-5688-277: lbtrdma_init: Problem loading VMS library	The VRT library (formerly VMS library) required for LBT-RDMA can not be loaded. Please check the installation.	
Core-5688-278: lbtrdma_init: Can not initialize the VMS library (%d)	The VRT library (formerly VMS library) required for LBT-RDMA reported an initialization error (given). Please check the installation.	
Core-5688-279: lbtrdma_init: Can not initialize VMS client (%d)	The VRT library (formerly VMS library) required for LBT-RDMA reported a client initialization error (given). Please check the installation.	
Core-5688-28: WARNING: %s config variable %s is deprecated. Has no effect.	Configuration option is deprecated and has no effect, UMS will ignore the config options and continue operation.	

Message	Description	Resolution
Core-5688-280: lbtrdma_init: Can not initialize VMS server (%d)	The VRT library (formerly VMS library) required for LBT-RDMA reported a server initialization error (given). Please check the installation.	
Core-5688-281: lbtrdma_init: Can not register VMS event handler (%d)	The VRT library (formerly VMS library) required for LBT-RDMA reported the given error when registering an event callback function. Please check the installation.	
Core-5688-282: lbm_transport_lbtrdma_ctlr_delete: WFSO res=%d, GLE=%d	The LBT-RDMA receiver thread failed to shutdown during context delete. Refer to the return status and OS error code given.	
Core-5688-283: default thread stack size is perhaps too small, %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small. The size of the default stack size is dumped and will then be set to a larger size automatically.	
Core-5688-284: reset thread stack size to %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small and is reallocated. This message reports the new size of the stack.	
Core-5688-285: LBT-RDMA Error: Creating Receiver Thread (%d)	An error was returned when trying to create the LBT-RDMA receiver thread. Please refer to the OS error number given.	
Core-5688-286: CRITICAL: LBM license invalid [%s]	Critical: The UMS license could not be validated. Contact Informatica support to verify the license.	
Core-5688-287: WARNING: LBM license warning [%s]	Warning: The UMS license could not be validated. Contact Informatica support to verify the license.	
Core-5688-288: CRITICAL: LBM not licensed	Critical: The UMS license could not be validated. Check the correct license is being specified. Contact Informatica support to verify the license.	
Core-5688-2947: default thread stack size is perhaps too small, %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small. The size of the default stack size is dumped and will then be set to a larger size automatically.	

Message	Description	Resolution
Core-5688-2948: reset thread stack size to %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small and is reallocated. This message reports the new size of the stack.	
Core-5688-2950: NOTICE: could not drain dbl socket on exit. (Read %d datagrams) Proceeding with cleanup.	During shutdown, the DBL thread closes all open sockets and then drains all user-space buffers. This warning can be safely ignored.	
Core-5688-2951: WARNING: DBL enabled, but transport LBT-RM datagram max size %d > %d. Packet larger than MTU will be dropped.	DBL does not support fragmentation. In order to guarantee that no datagrams are dropped for being too large, UMS must be instructed to fragment messages itself using the specified attribute. This warning is printed if the datagram_max_size is greater than 9000 bytes, the maximum frame size currently supported by DBL.	
Core-5688-2952: NOTICE: DBL enabled, but transport LBT-RM datagram max size %d > %d. Packets larger than MTU will be dropped.	DBL does not support fragmentation. In order to guarantee that no datagrams are dropped for being too large, UMS must be instructed to fragment messages itself using the specified attribute. This warning is printed if the datagram_max_size is greater than 1500 bytes, the standard frame size supported by DBL.	
Core-5688-2953: WARNING: DBL enabled, but transport LBT-RU datagram max size %d > %d. Packet larger than MTU will be dropped.	DBL does not support fragmentation. In order to guarantee that no datagrams are dropped for being too large, UMS must be instructed to fragment messages itself using the specified attribute. This warning is printed if the datagram_max_size is greater than 9000 bytes, the maximum frame size currently supported by DBL.	
Core-5688-2954: NOTICE: DBL enabled, but transport LBT-RU datagram max size %d > %d. Packets larger than MTU will be dropped.	DBL does not support fragmentation. In order to guarantee that no datagrams are dropped for being too large, UMS must be instructed to fragment messages itself using the specified attribute. This warning is printed if the datagram_max_size is greater than 1500 bytes, the standard frame size supported by DBL.	

Message	Description	Resolution
Core-5688-2955: WARNING: DBL enabled, but resolver datagram max size %d > %d. Packet larger than MTU will be dropped.	DBL does not support fragmentation. In order to guarantee that no datagrams are dropped for being too large, UMS must be instructed to fragment messages itself using the specified attribute. This warning is printed if the datagram_max_size is greater than 9000 bytes, the maximum frame size currently supported by DBL.	
Core-5688-2956: NOTICE: DBL enabled, but resolver datagram max size %d > %d. Packets larger than MTU will be dropped.	DBL does not support fragmentation. In order to guarantee that no datagrams are dropped for being too large, UMS must be instructed to fragment messages itself using the specified attribute. This warning is printed if the datagram_max_size is greater than 1500 bytes, the standard frame size supported by DBL.	
Core-5688-2959: WARNING: deleting dbl device returned %d	The DBL device could not be closed cleanly. DBL currently does not return failure from the specified function, but the log message is included in case future versions return failure.	
Core-5688-2972: LBT-RDMA: Source Paced, wakeup not expected	The LBT-RDMA transport is source paced and no rate limiter is implemented. Therefore, a wake-up event should never occur. Please contact Informatica support.	
Core-5688-3096: Unable to create dctlr entry: %s	This generally means memory couldn't be allocated. The error message included should specify the exact error condition.	
Core-5688-3101: NOTICE: UME receiver has ordered_delivery set to 0 and ume_explicit_ack_only set to 1.	This notice is issued when a UMP receiver controller is created and is intended to warn of a potentially undesirable configuration setting. The UMP store considers an explicit ACK for any sequence number as an implicit ACK for all prior sequence numbers. Turning off ordered_delivery in combination with explicit ACKs has the potential to acknowledge messages which have not yet been received by the application.	

Message	Description	Resolution
Core-5688-3102: NOTICE: UME group index %uUMP has received an updated topic advertisement with an inconsistent UMP store group index. UMP recovers by ? flattening? the stores into a single group.		
Core-5688-3103: NOTICE: UME store has out-of-range group index %u, setting to 0.	UMP has received an updated topic advertisement specifying a store with a group index which is greater than the number of advertised store groups. UMP recovers by setting the group index for the store in question to zero.	
Core-5688-3104: NOTICE: setting compatibility (UME <= 1.2) mode for UME receiver. Extended events will not be delivered.	The UMP receiver controller creation logic has detected a receiver utilizing an older style (UMP version <= 1.2) registration callback function and turns off delivery of any extended UMP registration events.	
Core-5688-3106: NOTICE: UME group index %uUMP has received an updated topic advertisement with an inconsistent UMP store group index. UMP recovers by ? flattening? the stores into a single group.		
Core-5688-3107: NOTICE: UME store has out-of-range group index %u, setting to 0.	UMP has received an updated topic advertisement specifying a store with a group index which is greater than the number of advertised store groups. UMP recovers by setting the group index for the store in question to zero.	
Core-5688-3117: WARNING: received PREG RESP with out-of-bounds StoreID	A registration response message was received from a store but the store ID in the message was invalid. The response is discarded.	
Core-5688-3118: WARNING: received PREG RESP with unused StoreID	A registration response message was received from a store, but the source is not registered to that store.	Check the source log for more information. Source may have restarted
Core-5688-3122: NOTICE: 1.2 UME store in use, turning off ACK to source	For compatibility, UMP will automatically turn off sending ACKs to sources when a V1.x UMP store is used.	

Message	Description	Resolution
Core-5688-3156: NOTICE: setting compatibility (UME <= 1.2) mode for UME source. Extended events will not be delivered.	UMP will tell you when it is setting compatibility to UMP <= 1.2 mode for UMP sources. When this setting is in effect, no extended events will not be delivered.	
Core-5688-3157: NOTICE: ume_message_stability_notification not set. Setting for compatibility.	UMP will automatically set the ume_message_stability_notification configuration option if it is not specified. Check the configuration guide for more information.	
Core-5688-3165: WARNING: received keepalive without StoreID set	A UMP Source received a keep alive packet from a store without a Store ID in the packet.	
Core-5688-3166: WARNING: received keepalive with out-of-bounds StoreID %uA UMP Source received a keep alive packet from a store that has an out of range Store ID.		
Core-5688-3167: WARNING: received keepalive from non-active store %u	A UMP Source received a keep alive packet from a non registered store. This may happen if a source did not successfully register with the particular store in question.	
Core-5688-3168: WARNING: received keepalive from store %u with incorrect RegID %u	A UMP Source received a keep alive packet from a store that has an invalid register ID.	

Message	Description	Resolution
Core-5688-3169: NOTICE: store %s:%u reports it has not received TIR. Possible misconfiguration?	The UMP store reported it has not yet received a TIR (topic advertisement) for a topic which already has one or more registered sources. UMP registration happens via a different mechanism than topic resolution, and is sometimes a bit faster. Registration allows the source to begin sending, but the store does not actually begin listening for messages until it receives a topic advertisement from the source and sets up receivers for the appropriate topics. In that brief interval, the store will send these notices to the source, just in case you actually did forget to configure the store to listen to the correct topic resolution channel. Once the store receives a topic resolution advertisement and begins listening to the topic, the store will perform a Late Join recovery if the source has already started sending, and should be able to catch up unless you have changed your source's transmission window to a small value (by default, a source keeps 24 MB of data for retransmission).Our recommended delay before sending should prevent you from seeing this notice most of the time, but you may occasionally see it during store failover.	
Core-5688-3170: WARNING: received ACK with out-of-bounds StoreID %uA UMP Source received an acknowledgment packet with a store that is not within the range of Store IDs. This should not happen and is not a serious condition.		
Core-5688-3171: WARNING: received ACK from non-active store %u	UMP received ACK from non-active store, this is not a serious condition unless it happens frequently and messaging is affected.	
Core-5688-3172: WARNING: received stability ACK without StoreID set	UMP received stability ACK without StoreID set, this is not a serious condition unless it happens frequently and messaging is affected.	

Message	Description	Resolution
Core-5688-3178: WARNING: too many UME stores specified for topic resolution (max %u)	Too many stores were specified when creating a source. Reduce the number of stores when setting the ume_store configuration option. Check the configuration guide for more information.	
Core-5688-3185: WARNING: too many UME store groups specified for topic resolution (max %u)	Too many store groups were specified when creating a source. Reduce the number of store groups when setting the ume_store_group configuration option. Check the configuration guide for more information.	
Core-5688-3193: WARNING: too many UME stores specified for topic resolution (max %u)	Too many stores were specified when creating a source. Reduce the number of stores when setting the ume_store configuration option. Check the configuration guide for more information.	
Core-5688-3228: WARNING: socket reuseaddr and socket exclusiveaddr set at the same time	The configuration options *_tcp_reuseaddr and *_tcp_exclusiveaddr (Windows only) can not be used at the same time. Please check your configuration settings.	
Core-5688-3234: WARNING: could not create TCP connection socket: %s	An error was returned from the OS while trying to create a socket (TCP). Please refer to the OS error number and message given after the UMS message "could not create TCP connection socket".	
Core-5688-3236: WARNING: could not set nonblock on TCP connection socket: %s	An error was returned from the OS while trying to set the O_NONBLOCK and O_NDELAY flags on the socket. Please refer to the OS error number and message given after the UMS message "could not set nonblock on TCP connection socket".	
Core-5688-3238: WARNING: could not set nonblock on TCP connection socket: %s	An error was returned from the OS while trying to set the O_NONBLOCK and O_NDELAY flags on the socket. Please refer to the OS error number and message given after the UMS message "could not set nonblock on TCP connection socket".	

Message	Description	Resolution
Core-5688-3240: WARNING: could not bind, port %d, on TCP connection socket: %s	An error was returned from the OS while trying to bind the socket to the given port. Please refer to the OS error number and message given after the UMS message "could not bind, port xxxxx, on TCP connection socket".	
Core-5688-3244: WARNING: could not set SO_KEEPALIVE on TCP connection socket: %s	SO_KEEPALIVE was requested on the receiver end of TCP connection, but was not able to be set on the socket. This could be because the OS is not Windows or Linux, or because there was an error in the OS system call to set the socket options.	
Core-5688-3245: WARNING: could not connect on TCP connection socket: %s	An error was returned from the OS while trying to connect to the socket. Please refer to the OS error number and message given after the UMS message "could not connect on TCP connection socket".	
Core-5688-3247: WARNING: could not connect on TCP connection socket: %s	An error was returned from the OS while trying to connect to the socket. Please refer to the OS error number and message given after the UMS message "could not connect on TCP connection socket".	
Core-5688-3263: WARNING: could not set SO_REUSEADDR on multicast receive socket: %s	An error was returned from the OS while trying to set the socket option SO_REUSEADDR per the *_tcp_reuseaddr configuration parameter. Please refer to the OS error number and message given after the UMS message "could not set SO_REUSEADDR on multicast receive socket".	
Core-5688-3265: WARNING: could not set SO_REUSEPORT on multicast receive socket: %s	An error was returned from the OS while trying to set the socket option SO_REUSEPORT per the *_tcp_reuseaddr configuration parameter. Please refer to the OS error number and message given after the UMS message "could not set SO_REUSEPORT on multicast receive socket".	

Message	Description	Resolution
Core-5688-3269: WARNING: could not IP_ADD_MEMBERSHIP on multicast receive socket: %s	An error was returned from the OS while trying to set the socket option IP_ADD_MEMBERSHIP. Please refer to the OS error number and message given after the UMS message "could not IP_ADD_MEMBERSHIP on multicast receive socket".	
Core-5688-3271: WARNING: could not set nonblock on multicast receive socket: %s	An error was returned from the OS while trying to set the O_NONBLOCK and O_NDELAY flags on the socket. Please refer to the OS error number and message given after the UMS message "could not set nonblock on multicast receive socket".	
Core-5688-3272: WARNING: could not set nonblock on multicast receive socket: %s	An error was returned from the OS while trying to set the O_NONBLOCK and O_NDELAY flags on the socket. Please refer to the OS error number and message given after the UMS message "could not set nonblock on multicast receive socket".	
Core-5688-3273: WARNING: could not set multicast SO_RCVBUF to requested value %u	An error was returned from the OS while trying to set the socket option SO_RCVBUF per the *_receiver_socket_buffer configuration parameter. The requested buffer size has not been set. Please refer to the configuration guide for instructions about changing the OS limits.	
Core-5688-3274: INFO: mcast rcv could only get SO_RCVBUF %u (desired %u)	The OS has set the socket option SO_RCVBUF but not to the value specified per the *_receiver_socket_buffer configuration parameter. The actual and desired values are given in the message. Please refer to the configuration guide for instructions about changing the OS limits.	
Core-5688-3284: WARNING: could not getaddress on dbl unicast rcv socket: %s	An error occurred while creating a DBL socket. This may prevent the receiver from proceeding. Contact Informatica support for more details.	

Message	Description	Resolution
Core-5688-3289: WARNING: could not set multicast SO_RCVBUF to requested value %u	An error was returned from the OS while trying to set the socket option SO_RCVBUF per the *_receiver_socket_buffer configuration parameter. The requested buffer size has not been set. Please refer to the configuration guide for instructions about changing the OS limits.	
Core-5688-3292: WARNING: could not find open unicast port in range [%d-%d] on dbl unicast bidir socket: %s	Could not bind a port in the specified range. The range may need to be expanded or moved to a range where less ports are in use.	
Core-5688-3294: WARNING: could not bind, port %d, on dbl unicast bidir socket: %s	An error occurred while creating a DBL socket. This may prevent the receiver from proceeding. Contact Informatica support for more details.	
Core-5688-3296: WARNING: could not getaddress on dbl unicast bidir socket: %s	An error occurred while creating a DBL socket. This may prevent the receiver from proceeding. Contact Informatica support for more details.	
Core-5688-3298: WARNING: could not create unicast bidir socket: %s	An error was returned from the OS while trying to create a socket (UDP). Please refer to the OS error number and message given after the UMS message "could not create unicast bidir socket".	
Core-5688-3300: WARNING: could not find open unicast port in range [%d-%d] on unicast bidir socket: %s	There are no ports available in the given range. Use *_port_low and/or *_port_high configuration parameters to specify a different range of ports to use.	
Core-5688-3302: WARNING: could not bind, port %d, on unicast bidir socket: %s	An error was returned from the OS while trying to bind the socket to the given port. Please refer to the OS error number and message given after the UMS message "could not bind, port xxxxx, on unicast bidir socket".	
Core-5688-3304: WARNING: could not getsockname on unicast bidir socket: %s	An error was returned from the OS while trying to get the socket name. Please refer to the OS error number and message given after the UMS message "could not getsockname on unicast bidir socket".	

Message	Description	Resolution
Core-5688-3306: WARNING: could not set nonblock on unicast bidir socket: %s	An error was returned from the OS while trying to set the O_NONBLOCK and O_NDELAY flags on the socket. Please refer to the OS error number and message given after the UMS message "could not set nonblock on unicast bidir socket".	
Core-5688-3307: WARNING: could not set nonblock on unicast bidir socket: %s	An error was returned from the OS while trying to set the O_NONBLOCK and O_NDELAY flags on the socket. Please refer to the OS error number and message given after the UMS message "could not set nonblock on unicast bidir socket".	
Core-5688-3308: WARNING: could not set bidir SO_RCVBUF to requested value %u	An error was returned from the OS while trying to set the socket option SO_RCVBUF per the *_receiver_socket_buffer configuration parameter. The requested buffer size has not been set. Please refer to the configuration guide for instructions about changing the OS limits.	
Core-5688-3309: INFO: ucast bidir could only get SO_RCVBUF %u (desired %u)	The OS has set the socket option SO_RCVBUF but not to the value specified per the *_receiver_socket_buffer configuration parameter. The actual and desired values are given in the message. Please refer to the configuration guide for instructions about changing the OS limits.	
Core-5688-3330: lbm_socket_send: msg dropped (EWOULDBLOCK): adjust rate limit or buffers	The combination of the *_data_rate_limit and *_rate_interval configuration parameters are used to determine the amount of data that will be sent at each interval. If that amount exceeds the configured *_socket_buffer setting, each interval may experience an EWOULDBLOCK status from the OS due to the fact that the data does not fit into the OS buffer allocated. The configuration settings should be reviewed should this message be seen often.	

Message	Description	Resolution
Core-5688-3331: lbm_socket_send: msg dropped (EWOULDBLOCK): adjust rate limit or buffers	The combination of the *_data_rate_limit and *_rate_interval configuration parameters are used to determine the amount of data that will be sent at each interval. If that amount exceeds the configured *_socket_buffer setting, each interval may experience an EWOULDBLOCK status from the OS due to the fact that the data does not fit into the OS buffer allocated. The configuration settings should be reviewed should this message be seen often.	
Core-5688-3335: lbm_socket_sendb: msg dropped (EWOULDBLOCK): adjust rate limit or buffers	The combination of the *_data_rate_limit and *_rate_interval configuration parameters are used to determine the amount of data that will be sent at each interval. If that amount exceeds the configured *_socket_buffer setting, each interval may experience an EWOULDBLOCK status from the OS due to the fact that the data does not fit into the OS buffer allocated. The configuration settings should be reviewed should this message be seen often.	
Core-5688-3336: lbm_socket_sendb: msg dropped (EWOULDBLOCK): adjust rate limit or buffers	The combination of the *_data_rate_limit and *_rate_interval configuration parameters are used to determine the amount of data that will be sent at each interval. If that amount exceeds the configured *_socket_buffer setting, each interval may experience an EWOULDBLOCK status from the OS due to the fact that the data does not fit into the OS buffer allocated. The configuration settings should be reviewed should this message be seen often.	

Message	Description	Resolution
Core-5688-3340: lbm_socket_sendtob: msg dropped (EWOULDBLOCK): adjust rate limit or buffers	The combination of the *_data_rate_limit and *_rate_interval configuration parameters are used to determine the amount of data that will be sent at each interval. If that amount exceeds the configured *_socket_buffer setting, each interval may experience an EWOULDBLOCK status from the OS due to the fact that the data does not fit into the OS buffer allocated. The configuration settings should be reviewed should this message be seen often.	
Core-5688-3341: lbm_socket_sendtob: msg dropped (EWOULDBLOCK): adjust rate limit or buffers	The combination of the *_data_rate_limit and *_rate_interval configuration parameters are used to determine the amount of data that will be sent at each interval. If that amount exceeds the configured *_socket_buffer setting, each interval may experience an EWOULDBLOCK status from the OS due to the fact that the data does not fit into the OS buffer allocated. The configuration settings should be reviewed should this message be seen often.	
Core-5688-3345: lbm_socket_sendbv: msg dropped (EWOULDBLOCK): adjust rate limit or buffers	The combination of the *_data_rate_limit and *_rate_interval configuration parameters are used to determine the amount of data that will be sent at each interval. If that amount exceeds the configured *_socket_buffer setting, each interval may experience an EWOULDBLOCK status from the OS due to the fact that the data does not fit into the OS buffer allocated. The configuration settings should be reviewed should this message be seen often.	

Message	Description	Resolution
Core-5688-3346: lbm_socket_sendbv: msg dropped (EWOULDBLOCK): adjust rate limit or buffers	The combination of the *_data_rate_limit and *_rate_interval configuration parameters are used to determine the amount of data that will be sent at each interval. If that amount exceeds the configured *_socket_buffer setting, each interval may experience an EWOULDBLOCK status from the OS due to the fact that the data does not fit into the OS buffer allocated. The configuration settings should be reviewed should this message be seen often.	
Core-5688-3351: lbm_socket_sendtobv: msg dropped (EWOULDBLOCK): adjust rate limit or buffers	The combination of the *_data_rate_limit and *_rate_interval configuration parameters are used to determine the amount of data that will be sent at each interval. If that amount exceeds the configured *_socket_buffer setting, each interval may experience an EWOULDBLOCK status from the OS due to the fact that the data does not fit into the OS buffer allocated. The configuration settings should be reviewed should this message be seen often.	
Core-5688-3352: lbm_socket_sendtobv: msg dropped (EWOULDBLOCK): adjust rate limit or buffers	The combination of the *_data_rate_limit and *_rate_interval configuration parameters are used to determine the amount of data that will be sent at each interval. If that amount exceeds the configured *_socket_buffer setting, each interval may experience an EWOULDBLOCK status from the OS due to the fact that the data does not fit into the OS buffer allocated. The configuration settings should be reviewed should this message be seen often.	
Core-5688-3365: NOTICE: wincport comp routine, invalid op	I/O operation completed on deleted connection. Can ignore unless happens many times per hour.	
Core-5688-3368: NOTICE: WSASendTo error [send_pending %d]: %s	I/O operation could not be started due to socket error. Can ignore unless happens many times per hour.	

Message	Description	Resolution
Core-5688-3370: WARNING: lbm_sock_delete acc_conn has unknown optype %d	An unexpected I/O operation was received while deleting a connection. Only occurs when using Windows completion ports. Contact Informatica support if this message occurs frequently.	
Core-5688-3375: unicast resolver %s:%u went inactive.	The process received no communications from the LBMRD at the specified ip:port within the resolver_unicast_activity_timeout and is marked as inactive.	If the LBMRD is running properly, increasing the resolver_unicast_activity_timeout to account for possible network congestion or an overloaded LBMRD can resolve this issue.
Core-5688-3377: LBMR Version 0x %x incorrect (%s:%d len %d). [%s]. Dropping.	An LBMR packet was dropped because its version was invalid.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5688-3378: LBMR packet malformed. Dropping. Origin: %s: %d	An LBMR packet was dropped because its length did not match the length of the data received.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5688-3379: LBMR optlen malformed. Dropping packet. Origin: %s:%d	An LBMR packet was dropped because its length did not match the length of the data received.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5688-3380: LBMR optlen total_len malformed. Dropping packet. Origin: %s:%d	An LBMR packet was dropped because its length did not match the length of the data received.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5688-3383: LBMR option invalid type [%u]. Dropping packet. Origin: %s:%d	An LBMR packet was dropped because of an invalid option type.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5688-3384: LBMR Type 0x%x incorrect (%s:%d len %d). [%s]. Dropping.	An LBMR packet was dropped due to an invalid type.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5688-3385: LBMR Topic Query Record malformed. Dropping remainder. Origin: %s:%d	An LBMR packet was dropped because it could not be parsed.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5688-3386: LBMR Topic Info Record malformed. Dropping remainder. Origin: %s:%d	An LBMR packet was dropped because it could not be parsed.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5688-3387: LBMR Extended Type 0x0 incorrect (%s:%d len %d). [%s]. Dropping.	A source or receiver may get this message when using overlapping ports. An example of overlapping port ranges is if an application is expecting data from the lbmrd resolver daemon on a port or port range used by a source to send data.	See the configuration options transport_lbtru_port_low, transport_lbtru_port_high, resolver_unicast_port_low, and resolver_unicast_port_high for possible overlaps. Ensure that the transport_lbtru_port_* configuration range is independent of the resolver_unicast_port_* range.

Message	Description	Resolution
Core-5688-3388: LBMR Topic Info Record Option not Length. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	
Core-5688-3389: LBMR Topic Info Record Length Option not correct size. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	
Core-5688-3390: LBMR Topic Info Record Total Length not large enough. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	
Core-5688-3391: LBMR Topic Info Record UME Option not correct size. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	
Core-5688-3392: LBMR Topic Info Record Late Join Option not correct size. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	
Core-5688-3393: LBMR Topic Info Record UME Store Option not correct size. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	

Message	Description	Resolution
Core-5688-3394: LBMR Topic Info Record UME Store Group Option not correct size. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	
Core-5688-3397: LBMR Topic Info Record Option not understood and does not have ignore. Dropping remainder.	UMS received a message with a header that was not recognized. This header and the rest of the message will be ignored. This is potentially due to a newer version of software sending messages and is not harmful. Contact Informatica support if this message occurs frequently or when only one version of Informatica software is being used.	
Core-5688-3398: LBMR Topic Info Record Option length incongruent. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	
Core-5688-3400: LBMR Topic Mgmt Record Length not correct size. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	
Core-5688-3401: WARNING: could not undefine topic from topic map when deleting	Warning: UMS could not remove a topic from topic map. Contact Informatica support if this message occurs frequently.	
Core-5688-3402: LBMR WC TQR pcre_compile [%s] malformed [%d] [%s]. Dropping.	UMS detected a malformed PCRE pattern for a wild card receiver, it will drop the Topic Query Response. Contact Informatica support if this message occurs frequently or if topic resolution appears to be failing.	

Message	Description	Resolution
Core-5688-3403: LBMR WC TQR regcomp [%s] malformed [%s]. Dropping.	In topic resolution process, UMS detected a malformed registration complete signal for a wild card receiver, it will drop the Topic Query Response. Contact Informatica support if this message occurs frequently or if topic resolution appears to be failing.	
Core-5688-3404: LBMR WC TQR Type 0x%x [%s] not understood. Dropping.	In topic resolution process, UMS detected a malformed type for a wild card receiver, it will drop the Topic Query Response. Contact Informatica support if this message occurs frequently or if topic resolution appears to be failing.	
Core-5688-3405: LBMR WC TQR pcre_exec [%s][%s][%d] error %d	UMS detected a malformed PCRE pattern for a wild card receiver during topic resolution. It will drop the Topic Query Response. This is not a serious condition unless it happens frequently and the resolution process is affected.	
Core-5688-3415: message receiver function returned -1	An error occurred processing a message received by a receiver. The receiver's delivery controller was unable to pass the message to the application. The message was discarded. Please contact Informatica if this message occurs frequently.	
Core-5688-3426: WARNING: Joining session [%s] which exists and uses a different transport_lbtrm_nak_backoff_interval [%d] than requested [%d].	Once a receiver has created a transport session a subsequent receiver joining the same transport session cannot configure a different transport_lbtrm_nak_backoff_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-3427: WARNING: Joining session [%s] which exists and uses a different transport_lbtrm_nak_suppress_interval [%d] than requested [%d].	Once a receiver has created a transport session a subsequent receiver joining the same transport session cannot configure a different transport_lbtrm_nak_suppress_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	

Message	Description	Resolution
Core-5688-3428: WARNING: Joining session [%s] which exists and uses a different transport_lbtrm_nak_generation_interval [%d] than requested [%d].	Once a receiver has created a transport session a subsequent receiver joining the same transport session cannot configure a different transport_lbtrm_nak_generation_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-3429: WARNING: Joining session [%s] which exists and uses a different transport_lbtrm_preactivity_timeout [%d] than requested [%d].	Once a receiver has created a transport session a subsequent receiver joining the same transport session cannot configure a different transport_lbtrm_preactivity_timeout setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-3430: WARNING: Joining session [%s] which exists and uses a different transport_lbtrm_activity_timeout [%d] than requested [%d].	Once a receiver has created a transport session a subsequent receiver joining the same transport session cannot configure a different transport_lbtrm_activity_timeout setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-3431: WARNING: Joining session [%s] which exists and uses a different transport_lbtrm_send_naks [%d] than requested [%d].	Once a receiver has created a transport session a subsequent receiver joining the same transport session cannot configure a different transport_lbtrm_send_naks setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-3433: WARNING: Joining session [%s] which exists and uses a different transport_lbtru_nak_suppress_interval [%d] than requested [%d].	Once a receiver has created a transport session a subsequent receiver joining the same transport session cannot configure a different transport_lbtru_nak_suppress_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-3434: WARNING: Joining session [%s] which exists and uses a different transport_lbtru_nak_generation_interval [%d] than requested [%d].	Once a receiver has created a transport session a subsequent receiver joining the same transport session cannot configure a different transport_lbtru_nak_generation_interval setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	

Message	Description	Resolution
Core-5688-3435: WARNING: Joining session [%s] which exists and uses a different transport_lbtru_activity_timeout [%d] than requested [%d].	Once a receiver has created a transport session a subsequent receiver joining the same transport session cannot configure a different transport_lbtru_activity_timeout setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-3439: WARNING: Joining session [%s] which exists and uses a different transport_lbtipc_activity_timeout [%d] than requested [%d].	Once a receiver has created a transport session a subsequent receiver joining the same transport session cannot configure a different transport_lbtipc_activity_timeout setting. Please refer to UMS Objects section of the Design Concepts in the documentation.	
Core-5688-3541: PCRE exec [%s] [%s][%d] error %d	An error occurred while trying to match the pattern listed in the first bracketed expression. The topic string attempting to be matched is supplied as the second bracketed expression, and its length is supplied as the third bracketed expression. The error that occurred was internal to PCRE, and the error code is listed in the PCRE documentation for return values of pcre_exec.	
Core-5688-3546: LBMR WC TQR pcre_compile [%s] malformed [%d] [%s]. Dropping.	UMS detected a malformed PCRE pattern for a wild card receiver, it will drop the Topic Query Response. Contact Informatica support if this message occurs frequently or if topic resolution appears to be failing.	
Core-5688-3547: LBMR WC TQR regcomp [%s] malformed [%s]. Dropping.	In topic resolution process, UMS detected a malformed registration complete signal for a wild card receiver, it will drop the Topic Query Response. Contact Informatica support if this message occurs frequently or if topic resolution appears to be failing.	
Core-5688-3548: LBMR WC TQR Type 0x%x [%s] not understood. Dropping.	In topic resolution process, UMS detected a malformed type for a wild card receiver, it will drop the Topic Query Response. Contact Informatica support if this message occurs frequently or if topic resolution appears to be failing.	

Message	Description	Resolution
Core-5688-3549: LBMR WC Cache pcre_exec [%s][%s][%d] error %d	An error occurred while trying to match the pattern listed in the first bracketed expression. The topic string attempting to be matched is supplied as the second bracketed expression, and its length is supplied as the third bracketed expression. The error that occurred was internal to PCRE, and the error code is listed in the PCRE documentation for return values of pcre_exec.	
Core-5688-3555: wildcard message receiver function returned -1	The callback configured for wildcard receiver messages returned -1 while processing an immediate message.	
Core-5688-3691: Sending request with request port binding disabled.	An lbm request is being sent, but the request port used to receive responses is disabled via the request_tcp_bind_request_port (context) configuration option. See the documentation for this configuration option for more information.	
Core-5688-3698: Response for request query index %u received. No request known.	A response was received that does not correspond to an existing request. This usually indicates that the responder took too long to respond, and the requestor had already deleted the request object when the response was received.	
Core-5688-3701: Response for request query index %u received. No request known.	A response was received that does not correspond to an existing request. This usually indicates that the responder took too long to respond, and the requestor had already deleted the request object when the response was received.	
Core-5688-3702: WARNING: deletion timeout from %s:%u while sending response or UIM	A response or a unicast immediate message was still being sent when the corresponding TCP connection closed. Please contact Informatica support if this occurs.	
Core-5688-3723: Sending unicast immediate request with request port binding disabled.	An lbm request is being sent via unicast immediate messaging, but the request port used to receive responses is disabled via the request_tcp_bind_request_port (context) configuration option. See the documentation for this configuration option for more information.	

Message	Description	Resolution
Core-5688-3762: unknown fd_to_be action %d	Internal error while handling socket; probable memory corruption. Should never happen. Contact Informatica support.	
Core-5688-3773: epoll_ctl: Tried to register a bad file descriptor	The fd_management_type is set to epoll and either the user tried to register a non-socket file descriptor or a socket that was registered unexpectedly became invalid between creating the file descriptor and registering it. Linux's epoll currently only supports socket file descriptors, and not normal files or other file descriptor types. This warning should be very rare; if it is happening frequently, please contact Informatica.	
Core-5688-3774: epoll_ctl: Tried to perform an operation on a socket that is already closed	The fd_management_type is set to epoll and file descriptor registration was attempted for a socket that was already closed. This can sometimes happen if a socket is closed immediately after it is created, but before it is registered. This warning should be very rare; if it is happening frequently, please contact Informatica.	
Core-5688-3777: %s:%d: sock=%p, sock->sock=%p, handle=%p, io_pending=%d, op_recv=%p, op_acc_conn=%p	Pre-assert data: a message which contains selected internal state information useful for diagnosing the cause of certain failed assertions. Should not happen during normal operation.	
Core-5688-3781: %s:%d: sock=%p, sock->sock=%p, handle=%p, io_pending=%d, op_recv=%p, op_acc_conn=%p	Pre-assert data: a message which contains selected internal state information useful for diagnosing the cause of certain failed assertions. Should not happen during normal operation.	
Core-5688-3782: %s:%d: sock=%p, sock->sock=%p, handle=%p, io_pending=%d, op_recv=%p, op_acc_conn=%p	Pre-assert data: a message which contains selected internal state information useful for diagnosing the cause of certain failed assertions. Should not happen during normal operation.	
Core-5688-3786: %s:%d: sock=%p, sock->sock=%p, handle=%p, io_pending=%d, op_recv=%p, op_acc_conn=%p	Pre-assert data: a message which contains selected internal state information useful for diagnosing the cause of certain failed assertions. Should not happen during normal operation.	

Message	Description	Resolution
Core-5688-3793: %s:%d: sock=%p, sock->sock=%p, handle=%p, io_pending=%d, op_recv=%p, op_acc_conn=%p	Pre-assert data: a message which contains selected internal state information useful for diagnosing the cause of certain failed assertions. Should not happen during normal operation.	
Core-5688-3794: %s:%d: sock=%p, sock->sock=%p, handle=%p, io_pending=%d, op_recv=%p, op_acc_conn=%p	Pre-assert data: a message which contains selected internal state information useful for diagnosing the cause of certain failed assertions. Should not happen during normal operation.	
Core-5688-3804: kevent fatal error: (%d) %s	When using the kqueue file descriptor management type on Mac OS X, an unexpected error was returned from the kevent system call. This could be caused by a variety of reasons, including being out of memory, or trying to register an invalid file descriptor, or accessing memory incorrectly.	
Core-5688-3805: mapentry->writecb was NULL	A registered file descriptor had a write or connect event, but the registered callback was NULL. This should never happen, and indicates possible application memory corruption.	
Core-5688-3806: Dropping cancelled write or connect event on handle %d	A write or connect event occurred on the indicated file descriptor (handle), but the user's registered write or connect event callback was cancelled immediately before the event happened.	
Core-5688-3807: mapentry->readcb was NULL	A registered file descriptor had a read, accept, or close event, but the registered callback was NULL. This can happen if the file descriptor had a write or connect event at about the same time, and the read, accept, or close event callback was cancelled for that file descriptor within its write or connect event callback. This warning is usually harmless, but may indicate improper application design.	

Message	Description	Resolution
Core-5688-3808: Dropping cancelled read, accept, or close event on handle %d	A read, accept, or close event occurred on the indicated file descriptor (handle), but the user's registered read, accept, or close event callback was cancelled immediately before the event happened.	
Core-5688-3809: mapentry->exceptcb was NULL	A registered file descriptor had an exception event, but the registered exception callback was NULL. This can happen if the file descriptor had a write, connect, read, accept, or close event at about the same time, and the file descriptor's exception callback was cancelled within any of its other callbacks. This warning is usually harmless, but may indicate improper application design.	
Core-5688-3810: Dropping cancelled except event on handle %d	An exception event occurred on the indicated file descriptor (handle), but the user's registered exception event callback was cancelled immediately before the event happened.	
Core-5688-3811: mapentry->writecb was NULL	A registered file descriptor had a write or connect event, but the registered callback was NULL. This should never happen, and indicates possible application memory corruption.	
Core-5688-3812: Dropping cancelled write or connect event on handle %d	A write or connect event occurred on the indicated file descriptor (handle), but the user's registered write or connect event callback was cancelled immediately before the event happened.	
Core-5688-3813: mapentry->readcb was NULL	A registered file descriptor had a read, accept, or close event, but the registered callback was NULL. This can happen if the file descriptor had a write or connect event at about the same time, and the read, accept, or close event callback was cancelled for that file descriptor within its write or connect event callback. This warning is usually harmless, but may indicate improper application design.	

Message	Description	Resolution
Core-5688-3815: mapentry->exceptcb was NULL	A registered file descriptor had an exception event, but the registered exception callback was NULL. This can happen if the file descriptor had a write, connect, read, accept, or close event at about the same time, and the file descriptor's exception callback was cancelled within any of its other callbacks. This warning is usually harmless, but may indicate improper application design.	
Core-5688-3816: Dropping cancelled except event on handle %d	An exception event occurred on the indicated file descriptor (handle), but the user's registered exception event callback was cancelled immediately before the event happened.	
Core-5688-3817: mapentry->writecb was NULL	A registered file descriptor had a write or connect event, but the registered callback was NULL. This should never happen, and indicates possible application memory corruption.	
Core-5688-3818: Dropping cancelled write or connect event on handle %d	A write or connect event occurred on the indicated file descriptor (handle), but the user's registered write or connect event callback was cancelled immediately before the event happened.	
Core-5688-3819: mapentry->readcb was NULL	A registered file descriptor had a read, accept, or close event, but the registered callback was NULL. This can happen if the file descriptor had a write or connect event at about the same time, and the read, accept, or close event callback was cancelled for that file descriptor within its write or connect event callback. This warning is usually harmless, but may indicate improper application design.	
Core-5688-3820: Dropping cancelled read, accept, or close event on handle %d	A read, accept, or close event occurred on the indicated file descriptor (handle), but the user's registered read, accept, or close event callback was cancelled immediately before the event happened.	

Message	Description	Resolution
Core-5688-3821: mapentry->exceptcb was NULL	A registered file descriptor had an exception event, but the registered exception callback was NULL. This can happen if the file descriptor had a write, connect, read, accept, or close event at about the same time, and the file descriptor's exception callback was cancelled within any of its other callbacks. This warning is usually harmless, but may indicate improper application design.	
Core-5688-3822: Dropping cancelled except event on handle %d	An exception event occurred on the indicated file descriptor (handle), but the user's registered exception event callback was cancelled immediately before the event happened.	
Core-5688-3823: mapentry->writecb was NULL	A registered file descriptor had a write or connect event, but the registered callback was NULL. This should never happen, and indicates possible application memory corruption.	
Core-5688-3824: Dropping cancelled write or connect event on handle %d	A write or connect event occurred on the indicated file descriptor (handle), but the user's registered write or connect event callback was cancelled immediately before the event happened.	
Core-5688-3825: mapentry->readcb was NULL	A registered file descriptor had a read, accept, or close event, but the registered callback was NULL. This can happen if the file descriptor had a write or connect event at about the same time, and the read, accept, or close event callback was cancelled for that file descriptor within its write or connect event callback. This warning is usually harmless, but may indicate improper application design.	
Core-5688-3826: Dropping cancelled read, accept, or close event on handle %d	A read, accept, or close event occurred on the indicated file descriptor (handle), but the user's registered read, accept, or close event callback was cancelled immediately before the event happened.	

Message	Description	Resolution
Core-5688-3827: mapentry->exceptcb was NULL	A registered file descriptor had an exception event, but the registered exception callback was NULL. This can happen if the file descriptor had a write, connect, read, accept, or close event at about the same time, and the file descriptor's exception callback was cancelled within any of its other callbacks. This warning is usually harmless, but may indicate improper application design.	
Core-5688-3828: Dropping cancelled except event on handle %d	An exception event occurred on the indicated file descriptor (handle), but the user's registered exception event callback was cancelled immediately before the event happened.	
Core-5688-3831: mapentry->writecb was NULL	A registered file descriptor had a write or connect event, but the registered callback was NULL. This should never happen, and indicates possible application memory corruption.	
Core-5688-3832: Dropping cancelled write or connect event on handle %d	A write or connect event occurred on the indicated file descriptor (handle), but the user's registered write or connect event callback was cancelled immediately before the event happened.	
Core-5688-3833: mapentry->readcb was NULL	A registered file descriptor had a read, accept, or close event, but the registered callback was NULL. This can happen if the file descriptor had a write or connect event at about the same time, and the read, accept, or close event callback was cancelled for that file descriptor within its write or connect event callback. This warning is usually harmless, but may indicate improper application design.	

Message	Description	Resolution
Core-5688-3835: mapentry->exceptcb was NULL	A registered file descriptor had an exception event, but the registered exception callback was NULL. This can happen if the file descriptor had a write, connect, read, accept, or close event at about the same time, and the file descriptor's exception callback was cancelled within any of its other callbacks. This warning is usually harmless, but may indicate improper application design.	
Core-5688-3836: Dropping cancelled except event on handle %d	An exception event occurred on the indicated file descriptor (handle), but the user's registered exception event callback was cancelled immediately before the event happened.	
Core-5688-3838: NOTICE: wincport %p results [%d] (%d,%d,%p,%p) op %x	Internal error handling descriptors; probable timing race condition. Should never happen. Please contact Informatica support.	
Core-5688-3847: NOTICE: wincport %p line %d WSA err %d, %s (peer %s) (op %x)	A Windows Completion port operation ended with a failure.	Examine the reported WSA Error code and take the appropriate action.
Core-5688-3849: lbm_fd_handle_events line %d: wincport recv WSA err %d (%s) from peer %s	The Windows completion port call to recv returned an error.	Look up the WSA error and take appropriate action.
Core-5688-3864: NOTICE: wincport %p results [%d] (%d,%d,%p,%p) op %x	Internal error handling descriptors; probable timing race condition. Should never happen. Please contact Informatica support.	
Core-5688-3883: mapentry->exceptcb was NULL	A registered file descriptor had an exception event, but the registered exception callback was NULL. This can happen if the file descriptor had a write, connect, read, accept, or close event at about the same time, and the file descriptor's exception callback was cancelled within any of its other callbacks. This warning is usually harmless, but may indicate improper application design.	
Core-5688-3884: Dropping cancelled except event on handle %d	An exception event occurred on the indicated file descriptor (handle), but the user's registered exception event callback was cancelled immediately before the event happened.	

Message	Description	Resolution
Core-5688-3885: mapentry->writecb was NULL	A registered file descriptor had a write or connect event, but the registered callback was NULL. This should never happen, and indicates possible application memory corruption.	
Core-5688-3886: Dropping cancelled write or connect event on handle %d	A write or connect event occurred on the indicated file descriptor (handle), but the user's registered write or connect event callback was cancelled immediately before the event happened.	
Core-5688-3887: mapentry->readcb was NULL	A registered file descriptor had a read, accept, or close event, but the registered callback was NULL. This can happen if the file descriptor had a write or connect event at about the same time, and the read, accept, or close event callback was cancelled for that file descriptor within its write or connect event callback. This warning is usually harmless, but may indicate improper application design.	
Core-5688-3888: Dropping cancelled read, accept, or close event on handle %d	A read, accept, or close event occurred on the indicated file descriptor (handle), but the user's registered read, accept, or close event callback was cancelled immediately before the event happened.	
Core-5688-3889: kevent returned event with unknown or unsupported filter type	kevent returned a file descriptor with a filter type that was not EVFILT_READ or EVFILT_WRITE (such as EVFILT_SIGNAL, EVFILT_PROC, etc.). UMS does not register any file descriptors for any filters other than EVFILT_READ or EVFILT_WRITE, so this is very unusual and might indicate memory corruption.	
Core-5688-3890: handle events returned error %u [%s]	Socket returned error while waiting for context deletion. Can ignore unless happens many times per hour.	
Core-5688-3896: wildcard message receiver function returned -1	The callback configured for wildcard receiver messages returned -1 while processing an immediate message.	

Message	Description	Resolution
Core-5688-3897: wildcard message receiver function returned -1	The callback configured for wildcard receiver messages returned -1 while processing an immediate message.	
Core-5688-390: event dispatch - unknown event type (%d)	The event dispatch loop encountered an unexpected event type. This is probably due to an unexpected network event occurring. Check the network is stable. Contact Informatica support if you encounter this message frequently.	
Core-5688-3919: Sending multicast immediate request with request port binding disabled.	An lbm request is being sent via multicast immediate messaging, but the request port used to receive responses is disabled via the request_tcp_bind_request_port (context) configuration option. See the documentation for this configuration option for more information.	
Core-5688-3927: New unfragged message in TCP buffer before first message is complete.	With transport_tcp_multiple_receiver_behavior set to bounded_latency or source_paced and old messages are being removed to make room for new messages, the first (oldest) message is fragmented but is incomplete. Processing will continue anyway.	
Core-5688-3928: New message in TCP buffer before first message is complete.	With transport_tcp_multiple_receiver_behavior set to bounded_latency or source_paced and old messages are being removed to make room for new messages, the first (oldest) message is fragmented but is incomplete. Processing will continue anyway.	
Core-5688-3929: No more messages in TCP buffer before old message is complete.	With transport_tcp_multiple_receiver_behavior set to bounded_latency or source_paced and old messages are being removed to make room for new messages, the message being removed is fragmented and only a portion of it could be found and removed. Processing will continue anyway.	

Message	Description	Resolution
Core-5688-3930: New unfragged message in TCP buffer before old fragged message is complete.	With transport_tcp_multiple_receiver_behavior set to bounded_latency or source_paced and old messages are being removed to make room for new messages, the message being removed is fragmented and only a portion of it could be found and removed. Processing will continue anyway.	
Core-5688-3931: New message in TCP buffer before old message is complete.	With transport_tcp_multiple_receiver_behavior set to bounded_latency or source_paced and old messages are being removed to make room for new messages, the message being removed is fragmented and only a portion of it could be found and removed. Processing will continue anyway.	
Core-5688-3986: PCRE exec [%s] [%s][%d] error %d	An error occurred while trying to match the pattern listed in the first bracketed expression. The topic string attempting to be matched is supplied as the second bracketed expression, and its length is supplied as the third bracketed expression. The error that occurred was internal to PCRE, and the error code is listed in the PCRE documentation for return values of pcre_exec.	
Core-5688-4082: error parsing XML (set via UMM)	The XML configuration received from UMM could not be parsed.	Previous error messages should contain the reason for the error. Correct the configuration in UMM and retry the application.
Core-5688-4083: error parsing application name '%s' (set via UMM)	The XML configuration for the application received from UMM could not be parsed.	Previous error messages should contain the reason for the error. Correct the configuration in UMM and retry the application.
Core-5688-4099: multiple interfaces match criteria - will use [%s][%s]	This warning occurs if an interface is specified by name for any of the *_interface options, and multiple interfaces on the host match the supplied name. In this case the first matching interface will be used, however it is recommended to specify interfaces such that only a single interface is matched.	

Message	Description	Resolution
Core-5688-410: failed to allocate hypertopic callback vector of %u bytes [%s:%d]	There was a memory allocation failure while creating the vector of callbacks associated with a received message destined for a HyperTopic receiver. This means that a message will not be delivered to some subset of registered HyperTopic receivers.	
Core-5688-4100: multiple interfaces match criteria - will use [%s][%s]	This warning occurs if an interface is specified by name for any of the *_interface options, and multiple interfaces on the host match the supplied name. In this case the first matching interface will be used, however it is recommended to specify interfaces such that only a single interface is matched.	
Core-5688-4103: multiple interfaces match criteria - will use [%s][%s]	This warning occurs if an interface is specified by name for any of the *_interface options, and multiple interfaces on the host match the supplied name. In this case the first matching interface will be used, however it is recommended to specify interfaces such that only a single interface is matched.	
Core-5688-4104: multiple interfaces match criteria - will use [%s][%s]	This warning occurs if an interface is specified by name for any of the *_interface options, and multiple interfaces on the host match the supplied name. In this case the first matching interface will be used, however it is recommended to specify interfaces such that only a single interface is matched.	
Core-5688-4106: WARNING: could not scan IPv4 interfaces.	As UMS initializes, it scans all the network cards in the system. This scan either failed due to a lack of available resources. For example, this might be because there are no network cards that are active or the system has run out of sockets. Check the system availability of network resources. Contact Informatica support if all resources appear to be available.	
Core-5688-4107: WARNING: could not find a multicast capable, non-loopback interface.	As UMS initializes, it scans all the network cards in the system. If no network card is listed as supporting multicast capabilities, this warning is produced. Check your network card capabilities and configuration.	

Message	Description	Resolution
Core-5688-4108: WARNING: using first broadcast capable interface instead.	As UMS initializes, it scans all the network cards in the system. No multicast capable card was found, but a broadcast capable card was found. The first broadcast capable card will be used. Check your network card configuration if you expect one of the network cards to be multicast capable.	
Core-5688-434: received read indication on daemon connection - unknown socket	This message is used for internal purpose. Please contact Informatica support team if you encounter this message.	
Core-5688-436: daemon control data received in unknown state %d	This message is used for internal purpose. Please contact Informatica support team if you encounter this message.	
Core-5688-438: daemon control data received in unknown state %d	This message is used for internal purpose. Please contact Informatica support team if you encounter this message.	
Core-5688-439: invalid action response on control channel [%s]	This message is used for internal purpose. Please contact Informatica support team if you encounter this message.	
Core-5688-440: invalid topicname on control channel [%s]	This message is used for internal purpose. Please contact Informatica support team if you encounter this message.	
Core-5688-441: invalid action response on control channel [%s]	This message is used for internal purpose. Please contact Informatica support team if you encounter this message.	
Core-5688-448: LBMC datagram malformed, msglen 0. Dropping.	UMS received a message with the length field set to 0. The message will be dropped. Contact Informatica support if this message occurs frequently.	
Core-5688-542: received ACK for unknown source from %s:%d\n	UMS received ACK for unknown source. This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	

Message	Description	Resolution
Core-5688-58: loading default config file failed: %s	Loading the config file specified with the LBM_DEFAULT_CONFIG_FILE environment variable failed, due to either a missing file, inappropriate access privileges, or an error in the config file itself.	
Core-5688-587: WARNING: transport_lbtrm_activity_timeout [%d] is less than transport_lbtrm_nak_generation_interval [%d], this can result in silent data loss if loss occurs within the activity timeout interval prior to the end of the transport session.	If the transport_lbtrm_activity_timeout is less than the transport_lbtrm_nak_generation_interval it is possible that a receiver can tear down the transport session before it was able to send a NAK for a lost message. When this happens the message is unrecoverable.	
Core-5688-593: IPC Error: Creating Receiver Signal Semaphore	An error occurred when an IPC receiver attempted to allocate a shared signaling semaphore. This could be caused by a permission error or no more resources. Please refer to the documentation for lbtipc_resource_manager.	
Core-5688-594: IPC Error: Initializing Receiver Signal Semaphore (%d)	An error occurred when an IPC receiver attempted to initialize a shared signaling semaphore. Please refer to the OS error number given.	
Core-5688-595: IPC Error: Creating Receiver Monitor Semaphore	An error occurred when an IPC receiver attempted to allocate a shared monitoring semaphore. This could be caused by a permission error or no more resources. Please refer to the documentation for lbtipc_resource_manager.	
Core-5688-596: IPC Error: Initializing Receiver Monitor Semaphore (%d)	An error occurred when an IPC receiver attempted to initialize a shared monitoring semaphore. Please refer to the OS error number given.	
Core-5688-597: IPC Error: Initializing Receiver Monitor Semaphore (%d)	An error occurred when an IPC receiver attempted to initialize a shared monitoring semaphore. Please refer to the OS error number given.	

Message	Description	Resolution
Core-5688-598: IPC Error: Creating Shared Event (%d) (%s)	An IPC receiver could not create a shared Event. This could be caused by a permission error or the resource already exists. Please refer to the OS error number and resource name given.	
Core-5688-599: IPC Error: Creating Receiver Monitor Mutex (%d) (%s)	An IPC receiver could not create a shared monitoring Mutex. This could be caused by a permission error or the resource already exists. Please refer to the OS error number and resource name given.	
Core-5688-600: IPC Error: Getting Receiver Monitor Mutex (%d) (%s)	An IPC receiver could not acquire the shared monitoring Mutex. This could be caused by a permission error. Please refer to the OS error number and resource name given.	
Core-5688-601: lbtipc_rcv_create: can not obtain transport information	An IPC receiver is attempting to join an IPC transport but can not obtain the transport information from the IPC shared memory buffer. This could happen if the IPC transport has been deleted before the receiver has joined.	
Core-5688-602: IPC Error: Joining transport; no more free receiver slots	An IPC receiver is attempting to join an IPC transport that has no more free slots for receivers. Please adjust the "transport_lbtipc_maximum_receivers_per_transport" configuration attribute.	
Core-5688-603: default thread stack size is perhaps too small, %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small. The size of the default stack size is dumped and will then be set to a larger size automatically.	
Core-5688-604: reset thread stack size to %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small and is reallocated. This message reports the new size of the stack.	
Core-5688-605: IPC Error: Creating Receiver Thread (%d)	An error occurred when the IPC receiver attempted to create a thread for internal processing. Please refer to the OS error number given.	

Message	Description	Resolution
Core-5688-614: LBT-IPC: failed to open shared memory (%d)	The IPC shared memory region could not be opened for reading. This could occur if a receiver attempts to join an IPC transport after the source has been deleted. Please reference the OS error number given.	
Core-5688-615: LBT-IPC: failed to map shared memory (%d)	An error occurred trying to map a pointer to the IPC shared memory region. Please refer to the OS error number given.	
Core-5688-617: LBT-IPC: failed to map shared memory (%d)	An error occurred trying to map a pointer to the IPC shared memory region. Please refer to the OS error number given.	
Core-5688-618: LBT-IPC: can not open shared semaphore (%d)	The shared semaphore used to ensure mutual exclusion while accessing IPC shared resources could not be opened. This could occur if a receiver attempts to join an IPC transport after the source has been deleted. Please refer to the OS error number given.	
Core-5688-619: LBT-IPC: failed to open shared memory (%d)	The IPC shared memory region could not be opened for reading. This could occur if a receiver attempts to join an IPC transport after the source has been deleted. Please reference the OS error number given.	
Core-5688-620: LBT-IPC: failed to map shared memory (%d)	An error occurred trying to map a pointer to the IPC shared memory region. Please refer to the OS error number given.	
Core-5688-622: LBT-IPC: failed to map shared memory (%d)	An error occurred trying to map a pointer to the IPC shared memory region. Please refer to the OS error number given.	
Core-5688-624: LBT-IPC: locking problem detected in lbtipc_txw_rcvr_node_alloc (%d)	An error occurred with the shared object used to ensure mutual exclusion when accessing IPC shared resources. Please refer to the OS error number given.	
Core-5688-625: LBT-IPC: locking problem detected in lbtipc_txw_rcvr_node_alloc (%d)	An error occurred with the shared object used to ensure mutual exclusion when accessing IPC shared resources. Please refer to the OS error number given.	

Message	Description	Resolution
Core-5688-626: LBT-IPC: locking problem detected in lbtipc_txw_rcvr_node_alloc (%d)	An error occurred with the shared object used to ensure mutual exclusion when accessing IPC shared resources. Please refer to the OS error number given.	
Core-5688-627: LBT-IPC: locking problem detected in lbtipc_txw_rcvr_node_alloc (%d)	An error occurred with the shared object used to ensure mutual exclusion when accessing IPC shared resources. Please refer to the OS error number given.	
Core-5688-628: lbm_transport_lbtipc_ctlr_delete: WFSO res=%d, GLE=%d	The WaitForSingleObject() Windows call return an error while waiting for the IPC Receiver thread to exit. Please refer to the response and OS error number given.	
Core-5688-630: LBTIPC: error mapping (initial) resource registry (%d)	An error occurred when attempting to map memory to the registry file. The registry is used to store IPC shared objects that are in use. The OS error number is given.	
Core-5688-632: LBTIPC: error initializing registry semaphore (%d)	The semaphore used to ensure mutual exclusion while accessing the registry could not be initialized. The registry is used to store IPC shared objects that are in use. Please refer to the documentation for lbtipc_resource_manager.	
Core-5688-635: LBTIPC: resource registry version mismatch: use lbtipc_resource_manager to clean-up and delete registry.	An IPC registry file existed, and contained the wrong version.	For this to happen, a registry file with incorrect version information would have to be deliberately put in place. 3.5 and post3.5 use different naming schemes for registries, so this can't happen due to version mismatch.
Core-5688-636: LBTIPC: error re-mapping resource registry (entries: %d) (%d)	An error occurred when attempting to re-map memory to the registry file. The registry is used to store IPC shared objects that are in use. The size in entries and OS error number is given.	
Core-5688-637: LBTIPC: error opening The semaphore used to ensure mutual exclusion while accessing the registry could not be created. The registry is used to store IPC shared objects that are in use. The OS error number is given.		

Message	Description	Resolution
Core-5688-638: LBTIPC: error reinitializing registry semaphore (%d)	The semaphore used to ensure mutual exclusion while accessing the registry could not be initialized. The registry is used to store IPC shared objects that are in use. The OS error number is given.	
Core-5688-639: LBTIPC: error re-creating resource registry (%d)	The registry used to store IPC shared objects that are in use could not be created. The OS error number is given.	
Core-5688-640: LBTIPC: error in re-sizing resource registry (%d)	The registry used to store IPC shared objects that are in use could not be re-sized (expanded). The OS error number is given.	
Core-5688-641: LBTIPC: error re-mapping resource registry (%d)	An error occurred when attempting to re-map memory to the registry file (file expansion). The registry is used to store IPC shared objects that are in use. The OS error number is given.	
Core-5688-642: LBTIPC: No free semaphores could be found	A free semaphore required for the LBT-IPC transport could not be found. Please refer to the documentation for lbtipc_resource_manager.	
Core-5688-644: LBTIPC: error opening semaphore (%d)	A free semaphore allocated for the LBT-IPC transport could not be opened. The OS error number is given.	
Core-5688-645: LBTIPC: error freeing semaphore; key 0x%x not found	A semaphore allocated for the LBT-IPC transport could not be freed due to an invalid internal key. Please contact Informatica support.	
Core-5688-646: LBT-IPC unexpected send error	An attempt was made to transfer a message or message fragment to the IPC shared memory buffer but that operation failed. This is cause by a failure with trying to obtain the lock for the shared memory buffer.	
Core-5688-647: LBT-IPC failed to start stalled timer	The IPC source is blocked waiting for a receiver but received an error trying to start the block check timer.	
Core-5688-648: LBT-IPC failed to start stalled timer	The IPC source is blocked waiting for a receiver but received an error trying to start the block check timer.	

Message	Description	Resolution
Core-5688-649: LBT-IPC unexpected send error	An attempt was made to transfer a message or message fragment to the IPC shared memory buffer but that operation failed. This is cause by a failure with trying to obtain the lock for the shared memory buffer.	
Core-5688-650: LBT-IPC unexpected send error	An attempt was made to transfer a message or message fragment to the IPC shared memory buffer but that operation failed. This is cause by a failure with trying to obtain the lock for the shared memory buffer.	
Core-5688-651: LBT-IPC Problem Opening Signal Semaphore (%d)	The IPC source has received a connection request from an IPC receiver and has failed to open the shared signaling semaphore. This could happen if the connection request is old and the receiver was already deleted or the source does not have permission to open the object. Please reference the OS error number given.	
Core-5688-652: LBT-IPC Problem Opening Event (%d)	The IPC source has received a connection request from an IPC receiver and has failed to open the shared Event. This could happen if the connection request is old and the receiver was already deleted or the source does not have permission to open the object. Please reference the OS error number given.	
Core-5688-653: LBT-IPC Problem Opening Monitor Semaphore (%d)	The IPC source has received a connection request from an IPC receiver but has failed to open the Monitoring Semaphore. This could happen if the connection request is old and the receiver was already deleted or the source does not have permission to open the object. Please reference the OS error number given.	
Core-5688-654: LBT-IPC Problem Opening Monitor Mutex (%d) (%s)	The IPC source has received a connection request from an IPC receiver but has failed to open the Monitoring Mutex. This could happen if the connection request is old and the receiver was already deleted or the source does not have permission to open the object. Please reference the OS error number and object name given.	

Message	Description	Resolution
Core-5688-692: topic level retransmission request index, %u, not found	A unicast immediate message was requested for retransmission, but the message was no longer stored. This may result in unrecoverable loss being reported at the receiving side.	
Core-5688-694: received retransmit request for unknown source.	UMS received ACK for unknown source. This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-5688-696: received retransmit request for unknown source - ip:port[%s:%d].	UMS received ACK for unknown source. This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-5688-697: received lji request for unknown source.	UMS received Late Join Request message for unknown source. This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-5688-699: received lji request for unknown source.	UMS received Late Join Request message for unknown source. This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-5688-701: received PREG response for unknown source.	Each topic created and registered by a UMP context has a unique topic index. The UMP registration response handler for this context has received a response for a topic index not contained in the collection of sources currently being processed by the context. This is not a serious condition unless it continues to occur frequently and sources being handled by the context are not being successfully registered.	

Message	Description	Resolution
Core-5688-702: received PREG response for unknown source.	Each topic created and registered by a UMP context has a unique topic index. The UMP registration response handler for this context has received a response for a topic index not contained in the collection of sources currently being processed by the context. This is not a serious condition unless it continues to occur frequently and sources being handled by the context are not being successfully registered.	
Core-5688-703: received PREG response for unknown receiver.	Each topic created and registered by a UMP context has a unique topic index. The UMP registration response handler for this context has received a response for a topic index not contained in the collection of receivers currently being processed by the context. This is not a serious condition unless it continues to occur frequently and receivers being handled by the context are not being successfully registered.	
Core-5688-705: received UME Keepalive with unknown type %x	UMP received keepalive signal which the type cannot be determined. This is not a serious problem unless it happens frequently.	
Core-5867-19: Message selector parser error [%s]	An error was encountered parsing the message selector set for a receiver	Ensure the receiver has a valid message selector
Core-5867-20: Message selector parser error [Unterminated string %s]	An error was encountered parsing the message selector set for a receiver	Ensure the receiver has a valid message selector
Core-5867-21: Message selector parser error [Invalid character '%c']	An error was encountered parsing the message selector set for a receiver	Ensure the receiver has a valid message selector
Core-5867-22: Message selector parser error [Error compiling pattern %s at offset %d: err %s]	An error was encountered parsing the message selector set for a receiver	Ensure the receiver has a valid message selector
Core-5867-23: Message selector parser error [Error compiling pattern %s at offset %d: err %s]	An error was encountered parsing the message selector set for a receiver	Ensure the receiver has a valid message selector

Message	Description	Resolution
Core-5872-1: LBMR Topic Info Record Total Length too large. Dropping remainder.	This error is logged if the options portion of the received TIR packet would overflow the stack-allocated buffer.	This error indicates that packets with erroneous length fields are being received by UM. This could be due to applications sending to the incorrect IP and port, or by a malicious attack.
Core-5872-2: LBMR Queue Info Record Total Length too large. Dropping remainder.	This error is logged if the options portion of the received QIR packet would overflow the stack-allocated buffer.	This error indicates that packets with erroneous length fields are being received by UM. This could be due to applications sending to the incorrect IP and port, or by a malicious attack.
Core-5894-1: lbm_timer_expire: Exceeded %d timer expirations in one iteration	UM encountered a condition where the specified number of timers were expiring at the same time. This is undesirable and indicates a CPU burst usage. To prevent starvation of network processing, some timers are deferred for processing and network processing is resumed. All timers are eventually processed with a minor delay - this is acceptable behaviour. If this message occurs frequently, contact Informatica support for further guidance.	Examine the configuration of this process to determine if there are timers likely to coincide in their expirations or if there are many sources created very quickly. If there are, it is suggested that the timers or source creation are staggered.
Core-5894-2: lbm_timer_expire: Exceeded %d timer expirations in one iteration	UM encountered a condition where the specified number of timers were expiring at the same time. This is undesirable and indicates a CPU burst usage. To prevent starvation of network processing, some timers are deferred for processing and network processing is resumed. All timers are eventually processed with a minor delay - this is acceptable behaviour. If this message occurs frequently, contact Informatica support for further guidance.	Examine the configuration of this process to determine if there are timers likely to coincide in their expirations or if there are many sources created very quickly. If there are, it is suggested that the timers or source creation are staggered.
Core-5927-1: Couldn't establish immediate message channel for destination %s:%d	A connection could not be established to send a unicast message.	Check the logs for previous messages indicating the actual cause, usually a socket error of some kind.
Core-5935-1: LBMC header with malformed length field. Dropping. Origin: %s:%d	An LBMC header was received with a malformed length field.	Check the originating IP and port for applications sending malformed data.
Core-5935-2: LBMC header with malformed length field. Dropping. Origin: %s:%d	An LBMC header was received with a malformed length field.	Check the originating IP and port for applications sending malformed data.

Message	Description	Resolution
Core-5935-3: LBMC header with malformed length field. Dropping. Origin: %s:%d	An LBMC header was received with a malformed length field.	Check the originating IP and port for applications sending malformed data.
Core-5935-4: LBMC header with malformed length field. Dropping. Origin: %s:%d	An LBMC header was received with a malformed length field.	Check the originating IP and port for applications sending malformed data.
Core-5935-5: LBMC header with malformed length field. Dropping. Origin: %s:%d	An LBMC header was received with a malformed length field.	Check the originating IP and port for applications sending malformed data.
Core-5935-6: LBMC header with malformed length field. Dropping. Origin: %s:%d	An LBMC header was received with a malformed length field.	Check the originating IP and port for applications sending malformed data.
Core-5936-1: LBMR optlen total_len malformed. Dropping packet. Origin: %s:%d	A topic resolution message was received with a length field that did not match the data received.	Inspect the originating IP and Port for applications sending malformed topic resolution messages.
Core-5937-1: Invalid 0-length LBMR option. Dropping packet. Origin: %s:%d	An LBMR packet was dropped because of a 0-length option field.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5937-2: LBMR Topic Query Record malformed. Dropping remainder. Origin: %s:%d	An LBMR packet was dropped because it could not be parsed.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5937-3: LBMR Topic Info Record malformed. Dropping remainder. Origin: %s:%d	An LBMR packet was dropped because it could not be parsed.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5937-4: LBMR Topic Management Record malformed. Dropping remainder. Origin: %s:%d	An LBMR packet was dropped because it could not be parsed.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5937-5: LBMR Topic Management Record malformed. Dropping remainder. Origin: %s:%d	An LBMR packet was dropped because it could not be parsed.	Investigate the listed IP and port for an application generating spurious traffic.
Core-5937-6: LBMR Topic Info Record option length invalid. Dropping Remainder.	UMS encountered a malformed LBMR packet and discarded it.	
Core-5937-7: LBMR Queue Info Record option length invalid. Dropping remainder.	A QIR packet was received that contained a 0-length option record.	
Core-5938-1: Header size is incorrect for header type. Dropping. Origin: %s:%d.	A malformed LBMC header was received.	Check the originating IP and port for an application sending incorrectly formed packets.
Core-5938-2: Header size is incorrect for header type. Dropping. Origin: %s:%d.	A malformed LBMC header was received.	Check the originating IP and port for an application sending incorrectly formed packets.

Message	Description	Resolution
Core-5938-3: Received lbmc message with incorrect header length. Dropping. Origin: %s:%d.	A malformed LBMC header was received.	Check the originating IP and port for an application sending incorrectly formed packets.
Core-5988-1: Attempting to Respond to a Request from %s with port set to zero.	A response is being generated but the response port is zero so the data will not be delivered to the requester.	This occurs when the requester disables binding of the request port. See request_tcp_bind_request_port configuration option.
Core-5988-2: Source Side Filtering request from [%s] but response port set to zero. No messages will be received from this source.	The receiver is registering Source Side Filtering interest but the source response port is zero. The interest will not arrive at the source and therefore will not send this receiver any messages.	This occurs when the source disables binding of the request port. See request_tcp_bind_request_port configuration option.
Core-5988-3: Topic Advertisement [%s] contains UME Store info from %s but port is set to zero. Ignoring invalid UME Store Info.	A Topic Advertisement was received with UME Information but the store port was zero. The UME Information is being ignored.	This occurs when the Source or Store disables binding of the request port. See request_tcp_bind_request_port configuration option.
Core-5988-4: Topic Advertisement [%s] contains UME Source Info from %s but port is set to zero. Ignoring invalid UME Source Info.	A Topic Advertisement was received with UME Information but the source port was zero. The UME Information is being ignored.	This occurs when the Source or Store disables binding of the request port. See request_tcp_bind_request_port configuration option.
Core-5988-5: Topic Advertisement [%s] contains Late Join from %s but port is set to zero. Ignoring invalid Late Join setup.	A Topic Advertisement was received with Late Join Information but the source port was zero. The Late Join Information is being ignored.	This occurs when the Source disables binding of the request port. See request_tcp_bind_request_port configuration option.
Core-5988-6: Topic Advertisement [%s] contains UME Store Info from %s but port is set to zero. Ignoring invalid UME Store Info.	A Topic Advertisement was received with UME Information but the store port was zero. The UME Information is being ignored.	This occurs when the Source or Store disables binding of the request port. See request_tcp_bind_request_port configuration option.
Core-5988-7: Topic Advertisement [%s] contains ULB Info from %s but port is set to zero. Ignoring invalid ULB Info.	A Topic Advertisement was received with ULB Information but the source port was zero. The UME Information is being ignored.	This occurs when the Source disables binding of the request port. See request_tcp_bind_request_port configuration option.
Core-5990-1: UMQ command failed because the REQUIRED queue authentication failed.. cmd_type=0x %x	warning the user credential is not correct for authentication purpose	
Core-6020-6: inflight bytes would be negative, resetting to 0	A call to decrement the number of inflight bytes would set it to be negative.	Nothing, it is forcibly set to 0 in this case.

Message	Description	Resolution
Core-6020-7: inflight bytes would be negative, resetting to 0	Amount of bytes being decremented would cause inflight bytes to be negative	Current flight size could be incorrect due to unknown reasons, use the set flight size API to reset values
Core-6033-998: Requested retransmission queue is too big [%lu]	The requested retransmission queue size is too big	Consider reducing retransmission-request-processing-rate
Core-6033-999: malloc failure	Malloc failure	Box may be out of memory, consider reducing retransmission-request-processing-rate
Core-6036-1: LBMC stream corruption detected. Tearing down stream. Origin: %s:%d	Data was received in an inconsistent state from an LBMC TCP stream.	Investigate the listed IP and port for applications or network hardware that may be causing message corruption.
Core-6036-2: LBMC stream corruption detected. Tearing down stream. Origin: %s:%d	Data was received in an inconsistent state from an LBMC TCP stream.	Investigate the listed IP and port for applications or network hardware that may be causing message corruption.
Core-6056-1: Malformed fragment header detected, discarding.	A fragment header was detected with a malformed length field.	If this message is seen frequently, it may indicate that network hardware is corrupting packets, or that a program is generating spurious traffic directed at a port used by LBM.
Core-6190-1: LBMR TIR contained inconsistent transport information.	UM encountered an advertisement indicating a transport that was already known, but the OTID did not match the known OTID.	The advertisement's originating IP and port will be logged in a subsequent message. Investigate that IP and port for an application generating spurious traffic.
Core-6190-2: LBMR Topic Info Record malformed. Dropping remainder. Origin: %s:%d	An LBMR packet was dropped because it could not be parsed.	Investigate the listed IP and port for an application generating spurious traffic.
Core-6238-1: PCRE exec [%s][%s] [%d] error %d	A receiver was configured with a invalid LIKE expression message selector	Fix the LIKE expression to be JMS compliant
Core-6238-2: PCRE compile [%s] [%s] error %d	A receiver was configured with a invalid LIKE expression message selector	Fix the LIKE expression to be JMS compliant
Core-6322-1: received liveness keepalive for unknown source.	UMS received a liveness keepalive for an unknown source. This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	

Message	Description	Resolution
Core-6322-10: ULB receiver index reserve command response for unknown receiver.	UMS received a ULB receiver index reserve command response for an unknown receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-11: ULB index command response error for unknown receiver.	UMS received a ULB index command response error for an unknown receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-12: ULB index stop assignment command for unknown source.	UMS received a ULB index stop assignment command for an unknown source . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-13: ULB index start assignment command for unknown source.	UMS received a ULB index start assignment command for an unknown source . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-14: ULB index release command for unknown source.	UMS received a ULB index release command for an unknown source . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-15: ULB index reserve command for unknown source.	UMS received a ULB index reserve command for an unknown source . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	

Message	Description	Resolution
Core-6322-16: received ULB receiver registration error response for unknown receiver.	UMS received a ULB receiver registration error response, but did not register as a ULB receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-17: received ULB receiver registration response for unknown receiver.	UMS received a ULB receiver registration response, but did not register as a ULB receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-18: received ULB receiver de-registration response for unknown receiver.	UMS received a ULB receiver de-registration response, but did not register as a ULB receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-19: received ULB RCR for unknown receiver.	UMS received a ULB RCR, but did not register as a ULB receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-2: received ULB receiver registration for unknown source.	UMS received a ULB receiver registration, but was not configured as a ULB source . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-20: received ULB unicast message for unknown receiver.	UMS received a ULB unicast message, but did not register as a ULB receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	

Message	Description	Resolution
Core-6322-21: received UMQ command response for unknown command.	UMS received a UMQ command response for an unknown command. This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-22: received UMQ index command response for unknown command.	UMS received a UMQ index command response for an unknown command. This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-23: received UMQ registration response, but did not register with a queue.	UMS received a UMQ registration response, but did not register with a queue . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-24: received UMQ stability ACK for unknown source.	UMS received a UMQ stability ACK for an unknown source . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-25: received UMQ RCR for unknown receiver.	UMS received a UMQ RCR for an unknown receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-26: received UMQ keepalive for unknown client.	UMS received a UMQ keepalive for an unknown client . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	

Message	Description	Resolution
Core-6322-27: received ACK for unknown source.	UMS received ACK for unknown source. This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-3: received ULB receiver de-registration for unknown source.	UMS received a ULB receiver de-registration, but was not configured as a ULB source . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-4: received ULB receiver ACK for unknown source.	UMS received a ULB receiver ACK, but was not configured as a ULB source . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-5: received ULB RXREQ for unknown source.	UMS received a ULB RXREQ, but was not configured as a ULB source . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-6: received ULB keepalive or keepalive response, but not using ULB	UMS received a ULB keepalive, but was not configured as a ULB source . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-7: ULB receiver index stop assignment command response for unknown receiver.	UMS received a ULB receiver index stop assignment command response for an unknown receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	

Message	Description	Resolution
Core-6322-8: ULB receiver index start assignment command response for unknown receiver.	UMS received a ULB receiver index start assignment command response for an unknown receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6322-9: ULB receiver index release command response for unknown receiver.	UMS received a ULB receiver index release command response for an unknown receiver . This is not a serious problem but indicates that there is a mismatch between this process and another. Check the system for other abnormal behaviour (applications restarting etc)	
Core-6340-1: Malformed config opt option encountered. Dropping. Origin: %s:%d.	A malformed LBMC header was received.	Check the originating IP and port for an application sending incorrectly formed packets.
Core-6340-2: Malformed config opt option encountered. Dropping. Origin: %s:%d.	A malformed LBMC header was received.	Check the originating IP and port for an application sending incorrectly formed packets.
Core-6340-3: Malformed config opt option encountered. Dropping. Origin: %s:%d.	A malformed LBMC header was received.	Check the originating IP and port for an application sending incorrectly formed packets.
Core-6340-4: Malformed config opt option encountered. Dropping. Origin: %s:%d.	A malformed LBMC header was received.	Check the originating IP and port for an application sending incorrectly formed packets.
Core-6420-10: LBMC header data too long, dropping message. Origin: %s:%d	Parsing message data past the end of the valid buffer.	Check the received message for possible wrong format or service attack.
Core-6420-11: LBMC header data too long. Dropping. Origin: %s:%d.	Parsing message data past the end of the valid buffer.	Check the received control message for possible wrong format or service attack.
Core-6420-12: LBMC basic header too short. Dropping. Origin: %s:%d.	Message header is shorter than the minimum size of LBMC header.	Check the data buffer for possible wrong format or service attack.
Core-6420-13: LBMC header data too long. Dropping. Origin: %s:%d.	Parsing data past the end of the valid buffer.	Check the data buffer for possible wrong format or service attack.

Message	Description	Resolution
Core-6488-1: WARNING: UMQ queue "%s" context reg ID 0x%x, session ID 0x%x queue state ignored	The source application context has a higher last-sent timestamp than the queue reports at registration; this usually means the queue missed a few messages the source sent either by being down or being too busy, etc., and is behind when the source application re-registers.	Check to see if the queue has failed or been restarted during operation, or if it is being reported as inactive for periods of time due to network problems, etc.
Core-6675-1: non-UMQ context received unicast UMQ message.	A context received a UMQ message (unicast immediate message or control message), but was not a UMQ context.	
Core-6720-1: IPC Error: Creating Receiver Monitor Mutex (%d) (%s)	An IPC receiver could not create a shared monitoring Mutex. This could be caused by a permission error or the resource already exists. Please refer to the OS error number and resource name given.	
Core-7421-1: Source Side Filtering Init message with no return IP, using transport IP (%s)	The request_tcp_interface parameter was not configured on the source.	Configure the source to set request_tcp_interface.

Message	Description	Resolution
Core-7427-1: received TSNI request for unknown source - ip:port[%s:%d]	UMS received a TSNI request for an unknown source. This is not a serious problem but indicates a mismatch between this process and another. Check the system for other abnormal behaviour, such as applications restarting.	
Core-7479-1: NOTICE from src (RID:%u: (%s)): store %s:%u reports it has not received TIR. Possible misconfiguration?	The UMP store reported it has not yet received a TIR (topic advertisement) for a topic which already has one or more registered sources. UMP registration happens via a different mechanism than topic resolution, and is sometimes a bit faster. Registration allows the source to begin sending, but the store does not actually begin listening for messages until it receives a topic advertisement from the source and sets up receivers for the appropriate topics. In that brief interval, the store sends these notices to the source, just in case you actually did forget to configure the store to listen to the correct topic resolution channel. Once the store receives a topic resolution advertisement and begins listening to the topic, the store performs a Late Join recovery if the source has already started sending, and should be able to catch up unless you have changed your source's transmission window to a small value (by default, a source keeps 24 MB of data for retransmission). Our recommended delay before sending should prevent you from seeing this notice most of the time, but you may occasionally see it during store failover.	

UM 5.3 Core API Messages

The following table lists log messages from the UM API.

You may find searching on the Log Message ID the most effective method to find the message's description.

Table 2. UM 5.3 Core API Log Messages

Message	Description	Resolution
CoreApi-3288-1: optlen incorrect size	Attempted to set wildcard receiver attribute "hf_receiver" using the wrong size optlen.	The parameter "optlen" must be the size of an integer.
CoreApi-3288-2: optval must be 0 or 1	Attempted to set wildcard receiver attribute "hf_receiver" using an invalid value.	The only valid values are 0 and 1.
CoreApi-3288-3: optval not numeric	Attempted to set wildcard receiver attribute "hf_receiver" using a string that is not a number.	The parameter "optval" must be a string representation of a number.
CoreApi-3288-4: optval must be 0 or 1	Attempted to set wildcard receiver attribute "hf_receiver" using an invalid value.	The only valid values are 0 and 1.
CoreApi-3288-5: optlen incorrect size	Attempted to get wildcard receiver attribute "hf_receiver" using the wrong size optlen.	The parameter "optlen" must be the size of an integer.
CoreApi-3288-6: optlen too small	Attempted to get wildcard receiver attribute "hf_receiver" using a string length that is too long.	The parameter "optlen" must be less than 80.
CoreApi-5243-1: TCP server socket: %s	An error was returned from the OS while trying to create a socket (TCP). Please refer to the OS error number and message given after the UMS message "TCP server socket".	
CoreApi-5243-2: TCP server listen: %s	An error was returned from the OS while trying to listen to a socket (TCP). Please refer to the OS error number and message given after the UMS message "TCP server listen".	
CoreApi-5243-3: TCP server getsockname: %s	An error was returned from the OS while trying to get the name of a socket (TCP). Please refer to the OS error number and message given after the UMS message "TCP server getsockname".	
CoreApi-5333-1: ttl value %d invalid, must be between 0 and 255.	Value passed in for resolver_multicast_ttl was not a valid value.	Review the configuration file and specify a valid value (0 - 255).
CoreApi-5402-2: src must be valid	Send was called using a NULL src pointer.	Use a valid source pointer to send calls.

Message	Description	Resolution
CoreApi-5402-3: exinfo flags cannot have both HF 32 and HF 64 set	Hot failover send was called using an exinfo that had both HF 32 and HF 64 bit flags set.	Ensure exinfo is valid and has one or neither HF bit size flag set before calling send
CoreApi-5402-4: 32 bit hf src cannot send non-32bit sequence number	A source that previously sent 32 bit hot failover sequence numbers is attempting to send a non-32 bit hot failover sequence number.	Ensure that the parameter "exinfo" has the correct HF flags set
CoreApi-5402-5: 64 bit hf src cannot send non-64bit sequence number	A source that previously sent 64 bit hot failover sequence numbers is attempting to send a non-64 bit hot failover sequence number.	Ensure that the parameter "exinfo" has the correct HF flag set
CoreApi-5434-1: Can't allocate memory [%s:%d]	UMQ ran out of memory while creating a queue name string.	
CoreApi-5434-2: Can't allocate memory [%s:%d]	UMQ ran out of memory while creating a queue message list callback object.	
CoreApi-5434-3: Can't allocate memory [%s:%d]	UMQ ran out of memory while creating a queue name string.	
CoreApi-5434-4: Can't allocate memory [%s:%d]	UMQ ran out of memory while creating a queue message retrieve callback object.	
CoreApi-5434-5: Could not create source string [%s:%d]	UMQ ran out of memory while creating a source string.	
CoreApi-5434-6: Could not create topic string [%s:%d]	UMQ ran out of memory while creating a topic string.	
CoreApi-5434-7: Can't allocate memory [%s:%d]	UMQ ran out of memory while creating a queue name string.	
CoreApi-5434-8: Can't allocate memory [%s:%d]	UMQ ran out of memory while creating a queue topic list callback object.	
CoreApi-5480-10: could not create inactive_loss_rec_queue [%s:%d]	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-11: could not create active_loss_rec_queue [%s:%d]	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-12: could not create unavailable_loss_rec_queue [%s:%d]	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.

Message	Description	Resolution
CoreApi-5480-13: rxr_ctlr destination list is NULL	Internal error. Specified rxr_ctlr has not been fully created.	Contact Informatica support.
CoreApi-5480-14: lbm_rxr_request_t already cancelled	Internal error. Attempted duplicate request cancellation.	Contact Informatica support.
CoreApi-5480-15: unable to insert loss_rec into loss_rec_map	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-16: unable to insert loss_rec into inactive loss rec queue	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-17: unable to insert loss_rec into inactive loss rec queue	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-18: unable to insert loss_rec into loss_rec_map	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-19: unable to insert loss_rec into inactive loss rec queue	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-20: unable to insert loss_rec into inactive loss rec queue	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-21: unable to insert loss_rec into inactive loss rec queue	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-22: unable to insert loss_rec into inactive loss rec queue	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-23: unable to insert loss_rec into loss rec queue	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-24: unable to insert loss_rec into inactive loss rec queue	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.

Message	Description	Resolution
CoreApi-5480-25: unable to reschedule rxr_ctlr timer	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-26: unable to insert loss_rec into unavailable loss rec queue	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-27: could not create loss ASL [%s:%d]	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5480-28: could not insert rcvdc_loss_rec ASL map [%s:%d]	Internal error while handling a detected gap in data.	Contact Informatica support.
CoreApi-5480-5: unable to insert o_entry into omap->asl	Internal error while attempting to handle an out of order message.	Contact Informatica support.
CoreApi-5480-7: unable to insert o_entry into omap->asl	Internal error while attempting to handle detected loss.	Contact Informatica support.
CoreApi-5480-8: min_unavailable_delay must be smaller than the request_generation_ivl	Internal error while creating an rxr_ctlr. Should never happen.	Contact Informatica support.
CoreApi-5480-9: could not create rxr_loss_rec_map ASL [%s:%d]	Internal error while attempting to create an internal data structure. Most likely the result of insufficient memory.	Contact Informatica support.
CoreApi-5539-1: Can't allocate per-send object node; message not sent [%s:%d]	Could not set up source per send data in jni when calling HF send reset.	Ensure that correct exinfo is being used and that sufficient memory is available.
CoreApi-5688-1246: session id not a number	The provided session ID was invalid.	Specify a session ID that fits one of the following formats: A hexadecimal value prefixed by 0x, an octal value prefixed by 0, or a decimal value. The value must be smaller than 0xFFFFFFFFFFFFFFFF regardless of representation.
CoreApi-5688-1390: session id not a number	The provided session ID was invalid.	Specify a session ID that fits one of the following formats: A hexadecimal value prefixed by 0x, an octal value prefixed by 0, or a decimal value. The value must be smaller than 0xFFFFFFFFFFFFFFFF regardless of representation.

Message	Description	Resolution
CoreApi-5688-2014: optval not numeric	Value passed in for resolver_multicast_ttl was not numeric.	Review the configuration file and specify a valid numeric value for the option (0 - 255).
CoreApi-5688-2767: session id not a number	The provided session ID was invalid.	Specify a session ID that fits one of the following formats: A hexadecimal value prefixed by 0x, an octal value prefixed by 0, or a decimal value. The value must be smaller than 0xFFFFFFFFFFFFFFFF regardless of representation.
CoreApi-5688-3040: Can not specify a negative number for inflight messages	Attempting to set the flight size of messages to a negative number	Ensure a positive integer for inflight messages is returned from the set flight size callback
CoreApi-5688-3041: Cannot specify a negative number for inflight messages	Attempting to set the flight size of messages to a negative number	Ensure a positive integer for inflight messages is returned from the set flight size callback
CoreApi-5688-3043: inflight must be valid	inflight parameter was NULL	inflight must be a valid pointer
CoreApi-5688-3226: TCP server socket: %s	An error was returned from the OS while trying to create a socket (TCP). Please refer to the OS error number and message given after the UMS message "could not create TCP server socket".	
CoreApi-5688-3227: TCP server SO_REUSEADDR: %s	An error was returned from the OS while trying to set option of a socket (TCP). Please refer to the OS error number and message given after the UMS message "TCP server SO_REUSEADDR".	
CoreApi-5688-3229: TCP server SO_EXCLUSIVEADDR: %s	An error was returned from the OS while trying to set option of a socket (TCP). Please refer to the OS error number and message given after the UMS message "TCP server SO_EXCLUSIVEADDR".	
CoreApi-5688-3230: could not find open TCP server port in range [%d-%d]	An error was returned from the OS while trying to bind a socket (TCP)".	
CoreApi-5688-3231: TCP server bind (port=%d): %s	An error was returned from the OS while trying to bind a socket (TCP)".	

Message	Description	Resolution
CoreApi-5688-3232: TCP server getsockname: %s	An error was returned from the OS while trying to get the name of a socket (TCP). Please refer to the OS error number and message given after the UMS message "TCP server getsockname".	
CoreApi-5688-3233: TCP server listen: %s	An error was returned from the OS while trying to listen to a socket (TCP). Please refer to the OS error number and message given after the UMS message "TCP server listen".	
CoreApi-5688-3287: could not find open unicast source port in range [%d-%d]	UM could not bind to a unicast port due to ports already being used in the given range.	Update the UM configuration file to modify or include different ports for the options transport_lbtrm_source_port_low and/or transport_lbtrm_source_port high.
CoreApi-5688-3320: lbm_socket_recv recv/recvfrom: %s	An error was returned from the OS while trying a recv or recvfrom socket call. Please refer to the OS error number and message.	
CoreApi-5688-4243: lbm_src_topic_attr_" #name "_set: %s	An error was returned when an attempt was made to set an attribute.\n The error message returned is included in the text of this message.	
CoreApi-5688-606: LBT-IPC: failed to allocate shared memory (%d)	A shared memory object for the IPC transport could not be created. This could be caused by a permission error or no more resources. Please refer to the OS error number given.	
CoreApi-5688-608: LBT-IPC: failed to map shared memory (%d)	An error occurred trying to map a pointer to the IPC shared memory region. Please refer to the OS error number given.	
CoreApi-5688-610: LBT-IPC: can not initialize shared semaphore (%d)	An error occurred when initializing the shared semaphore used to ensure mutual exclusion while accessing the IPC shared memory region. Please refer to the OS error number given.	
CoreApi-5688-611: LBT-IPC: failed to allocate shared memory (%d)	A shared memory object for the IPC transport could not be created. This could be caused by a permission error or no more resources. Please refer to the OS error number given.	

Message	Description	Resolution
CoreApi-5688-612: LBT-IPC: failed to map shared memory (%d)	An error occurred trying to map a pointer to the IPC shared memory region. Please refer to the OS error number given.	
CoreApi-5688-613: LBT-IPC: can not create shared Mutex (%d)	The shared Mutex used to ensure mutual exclusion while accessing the IPC shared memory region could not be created. Please refer to the OS error number given.	
CoreApi-5760-1: receiver must be an observer receiver (set umq_queue_participation to 2)	lbm_rcv_umq_queue_msg_retrieve was called using a normal receiver for the rcv parameter. Only observer receivers (receivers with the "receiver umq_queue_participation" option set to "2") may be used with this API.	
CoreApi-5760-2: receiver must be an observer receiver (set umq_queue_participation to 2)	lbm_rcv_umq_queue_msg_list was called using a normal receiver for the rcv parameter. Only observer receivers (receivers with the "receiver umq_queue_participation" option set to "2") may be used with this API.	
CoreApi-5867-1: optval must not be NULL	The optval passed in was a NULL pointer.	Ensure NULL is not passed as the value of the optval pointer because this is where the data will be copied
CoreApi-5867-14: error occurred parsing message selector string < %s>	The message selector string is invalid or could not be parsed.	Please check the UM Documentation for valid syntax.
CoreApi-5867-15: error occurred evaluating message selector string due to unknown property type [%d] for property [%s]	Message property type was invalid.	Verify that the message properties have not been corrupted.
CoreApi-5867-16: rcv cannot be configured with both message selector and spectrum channel behavior	A receiver was configured with both a message selector and channel behavior	Remove either the message selector or the channel behavior from the receiver attributes
CoreApi-5867-17: rcv cannot be configured with both message selector and spectrum channel	A receiver was configured with both a message selector and channel	Remove either the message selector or the channel
CoreApi-5867-18: rcv cannot be configured with both message selector and spectrum channel behavior	A receiver was configured with both a message selector and channel behavior	Remove either the message selector or the channel behavior from the receiver attributes

Message	Description	Resolution
CoreApi-5867-2: optlen must not be NULL	The optlen passed in was a NULL pointer.	Ensure NULL is not passed as the value of the optlen pointer because this is needed to make sure the data can be copied
CoreApi-5867-3: optval is not long enough	Based on the optlen passed in, the data cannot be copied into optval due to its size	Ensure optval is large enough to hold the data (check the update optlen for the needed size)
CoreApi-6001-1: optlen incorrect size	The size of the option passed in is not the correct size for this option.	This is usually a coding mistake; check that the correct type is being used for this option.
CoreApi-6001-10: async operation canceled because connection with queue was lost	An outstanding asynchronous operation was canceled because the connection with the queue was lost,\n	
CoreApi-6001-11: could not allocate lbm_umq_rcvdc_t waiting command list [%s:%d]	The UMQ delivery controller's waiting command list could not be created.	This usually indicates severe resource exhaustion; check for out of memory errors.
CoreApi-6001-2: optval must be greater than 0	The UMQ command outstanding max passed in was 0, which is not a valid value.	Make sure the value given is > 0.
CoreApi-6001-3: UMQ command outstanding max not a number	The string representing the UMQ command outstanding max could not be parsed to find a number.	Check the string being passed in, make sure it's a number > 0.
CoreApi-6001-4: optval must be greater than 0	The string representing the UMQ command outstanding max was 0, which is not a valid value.	Check the string being passed in, make sure it's a number > 0.
CoreApi-6001-5: optlen incorrect size	The size of the option passed in is not the correct size for this option.	This is usually a coding mistake; check that the correct type is being used for this option.
CoreApi-6001-6: optlen too small	The size of the buffer passed in was less than the minimum buffer size required.	Make sure the buffer is large enough - at least LBM_MIN_SGET_OPTLEN bytes in size.
CoreApi-6001-7: could not allocate lbm_umq_queue_t waiting cmd ID list [%s:%d]	UMS could not allocate a queue controller waiting command list. This probably means malloc failed or the system is otherwise out of resources.	This is likely the result of severe resource exhaustion; contact Informatica support.
CoreApi-6001-8: could not insert lbm_umq_queue_t CMD WAITING LIST [%s:%d]	A waiting command could not be enqueued onto the queue's waiting command list.	This is a severe problem and usually indicates resource exhaustion; check for out of memory conditions.
CoreApi-6001-9: could not insert lbm_umq_queue_t CMD ASL [%s:%d]	Attempting to take a waiting command off the waiting command list and put it in the active\n	

Message	Description	Resolution
CoreApi-6020-1: optlen incorrect size	optlen parameter is not the correct size	optlen should be the size of an lbm_uint64_t
CoreApi-6020-10: Cannot increase inflight messages or bytes while decreasing the other	Attempting to increase the flight size messages or bytes and decrease the other.	Ensure that the inflight set callback returns a valid inflight structure, or call the method twice to set each one individually.
CoreApi-6020-11: Cannot increase inflight messages or bytes while decreasing the other	Attempting to increase the flight size messages or bytes and decrease the other.	Ensure that the inflight set callback returns a valid inflight structure, or call the method twice to set each one individually.
CoreApi-6020-12: Payload exceeds flight size bytes maximum, can not send.	Attempted to send a single message with payload length greater than the configured maximum allowed limit	Send smaller messages or increase source ume_flight_size_bytes
CoreApi-6020-13: inflight parameter must be a valid pointer	inflight parameter was NULL	inflight must be a valid pointer
CoreApi-6020-14: RPP sources must also configure a non-zero value for ume_flight_size_bytes	Attempted to create a RPP enabled source without specifying a valid flight size bytes	Set "source ume_flight_size_bytes" to be non-zero
CoreApi-6020-2: opval not numeric	optval parameter was not a string representation of a number	Ensure that the optval string is a unsigned number
CoreApi-6020-3: optval not a number	optval parameter was not a string representation of a number	Ensure that the optval string is a unsigned number
CoreApi-6020-4: optlen incorrect size	optlen parameter is not the correct size	optlen should be size of lbm_uint64_t
CoreApi-6020-5: optlen too small	optlen parameter too small	Increase optlen size
CoreApi-6020-8: exinfo properties must be valid when LBM_SRC_SEND_EX_FLAG_PROPERTIES is set	Attempted send with message properties flag set, but exinfo->properties was NULL	Turn off message properties flag or set exinfo->properties correctly.
CoreApi-6020-9: Payload exceeds flight size bytes maximum, unable to send.	Attempted to send a single message with payload length greater than the maximum limit while using UMP flight size blocking behavior	Send smaller messages or increase source ume_flight_size_bytes
CoreApi-6034-2: session id not a number	The provided session ID was invalid.	Specify a session ID that fits one of the following formats: A hexadecimal value prefixed by 0x, an octal value prefixed by 0, or a decimal value. The value must be smaller than 0xFFFFFFFFFFFFFFFF regardless of representation.

Message	Description	Resolution
CoreApi-6111-0: optlen incorrect size	optlen is not the correct size	optlen should be the size of a lbm_uint8_t
CoreApi-6111-1: invalid ume_receiver_paced_persistence setting	Invalid setting for rpp	Valid settings are 0 and 1
CoreApi-6111-10: optlen too small	optlen too small	optlen should be at least LBM_MIN_SGET_OPTLEN
CoreApi-6111-11: optlen incorrect size	optlen too small	optlen should be size_t
CoreApi-6111-12: optval not numeric	optval is not numeric	optval needs to be numeric
CoreApi-6111-13: optval not a number	optval not a number	optval needs to be a number
CoreApi-6111-14: optlen incorrect size	optlen incorrect size	optlen should be size_t
CoreApi-6111-15: optlen too small	optlen too small	optlen should be at least LBM_MIN_SGET_OPTLEN
CoreApi-6111-16: optlen incorrect size	optlen incorrect size	optlen should be of size lbm_uint64_t
CoreApi-6111-17: optval not numeric	optval not numeric	optval should be numeric
CoreApi-6111-18: optval not a number	optval not a number	optval needs to be a number
CoreApi-6111-19: optlen incorrect size	optlen incorrect size	optlen incorrect size.. should be a lbm_uint64_t
CoreApi-6111-2: optval not numeric	optval is not numeric	optval must be numeric
CoreApi-6111-20: optlen too small	optlen too small	optlen should be LBM_MIN_SGET_OPTLEN
CoreApi-6111-21: optlen incorrect size	optlen incorrect size	optlen should be lbm_uint32_t
CoreApi-6111-22: optval not numeric	optval not numeric	optval is not a number
CoreApi-6111-23: optlen incorrect size	optlen incorrect size	optlen should be lbm_uint32_t
CoreApi-6111-24: optlen too small	optlen too small	optlen should be at least LBM_MIN_SGET_OPTLEN

Message	Description	Resolution
CoreApi-6111-25: optlen incorrect size	optlen incorrect size	optlen should be size of lbm_uint8_t
CoreApi-6111-26: invalid ume_repository_ack_on_reception setting	invalid ume_repository_ack_on_recepeptio n setting	value should be 0 or 1
CoreApi-6111-27: optval not numeric	optval not numeric	optval is not a number
CoreApi-6111-28: invalid ume_repository_ack_on_reception setting	invalid ume_repository_ack_on_reception setting	optval should be 0 or 1
CoreApi-6111-29: optlen incorrect size	optlen incorrect size	optlen should be of size lbm_uint8_t
CoreApi-6111-3: invalid ume_receiver_paced_persistence setting	optval not a valid value	optval must be 0 or 1
CoreApi-6111-30: optlen too small	optlen too small	optlen should be at least LBM_MIN_SGET_OPTLEN
CoreApi-6111-31: optlen incorrect size	size of the option is incorrect	optlen must be a lbm_uint8_t
CoreApi-6111-32: invalid ume_receiver_paced_persistence setting	ume_receiver_paced_persistence set to invalid value	ume_receiver_paced_persistence should be 0 or 1
CoreApi-6111-33: optval not numeric	optval is not a number	optval needs to be numeric only
CoreApi-6111-34: invalid ume_receiver_paced_persistence setting	ume_receiver_paced_persistence set to invalid value	ume_receiver_paced_persistence must be 0 or 1
CoreApi-6111-35: optlen incorrect size	optlen is not a lbm_uint8_t	optlen should be a lbm_uint8_t
CoreApi-6111-36: optlen too small	optlen is too small	optlen needs to be at least 80
CoreApi-6111-4: optlen incorrect size	optval is incorrect size	optval must be a lbm_uint8_t size
CoreApi-6111-5: optlen too small	optlen is too small	optlen must be at least LBM_MIN_SGET_OPTLEN
CoreApi-6111-6: optlen incorrect size	optlen incorrect size	optlen must be a size_t
CoreApi-6111-7: optval not numeric	optval is not numeric	optval must be a number
CoreApi-6111-8: optval not a number	optval is not a number	optval needs to be a number

Message	Description	Resolution
CoreApi-6111-9: optlen incorrect size	optlen incorrect size	optlen should be a size_t
CoreApi-6117-100: rcv must be valid	lbm_rcv_ume_deregister was called with a null rcv.	Don't deregister your receiver after you've deleted it.
CoreApi-6117-101: not registered with any stores.	Tried to deregister from stores when you were never registered with any.	Don't call deregister if you've never registered to any stores.
CoreApi-6254-20: Can't allocate memory [%s:%d]	UMQ ran out of memory while creating a message selector string.	
CoreApi-6254-21: Can't allocate memory [%s:%d]	UMQ ran out of memory while creating a message selector.	
CoreApi-6273-1: Cannot enable RPP with round-robin stores	Cannot enable receiver-paced persistence with round-robin stores	Only use Q/C with RPP
CoreApi-6298-1: src could not deregister from store	source failed trying to deregister from a store.	try again, unicast control channel between source a store may be down
CoreApi-6298-2: src is already deregistering from the stores	source is already deregistered.	Do not call lbm_src_ume_deregister multiple times passing in the same source.
CoreApi-6435-1: msg must be valid	Message Pointer is NULL	
CoreApi-6435-2: msg has no fragment information	Message doesn't have any fragment information	
CoreApi-6783-1: lbm_socket_sendb send error occurred while sending. The message will contain addition specific information, supplied by the operating system.	This is a platform specific error; please use the operating system's error code and description to further understand the circumstances of the error.	
CoreApi-7506-1: rdelvc force loss due to dctlr_entries exceeding ctx_max_entries!	The rdelvc saw force loss because dctlr_entries exceeded ctx_max_entries.	
CoreApi-7506-2: rdelvc force loss when doing Late Join or OTR due to dctlr_entries exceeding ctx_max_entries!	The rdelvc saw force loss during Late Join or OTR because dctlr_entries exceeded ctx_max_entries.	
CoreApi-7875-1: optval cannot contain multiple values	The value for resolver_unicast_daemon contained a separator. Each call to set resolver_unicast_daemon can contain only a single value.	Remove the separator and extra values. Additional values for resolver_unicast_daemon can be added with repeated sets of the option.

UM 5.3 Gateway Log Messages

The following table lists log messages from UM Gateway functionality.

You may find searching on the Log Message ID the most effective method to find the message's description.

Table 3. UM 5.3 Gateway Log Messages

Message	Description	Resolution
Gwd-6033-353: endpoint portal [%s] received one or more UIM control messages with no stream information - these will be dropped	This gateway has received messages from a client using an earlier version of the library that does not include stream information.	If this is expected behavior, this message can be ignored; otherwise the client should have its library upgraded.
Gwd-6033-593: peer portal [%s] received one or more UIM control messages with no stream information - these will be dropped	This gateway has received messages from a client using an earlier version of the library that does not include stream information.	If this is expected behavior, this message can be ignored; otherwise the client should have its library upgraded.
GwdApi-5688-4702: failed to set portal source option [%s] to [%s]: %s	The portal was unable to set a source option	
GwdApi-5688-4703: failed to set portal receiver option [%s] to [%s]: %s	The portal was unable to set a receiver option	
GwdApi-6103-0001: failed to set portal source option [%s] to [%s]: %s	The portal was unable to set a source option	
GwdApi-6103-0002: failed to set portal receiver option [%s] to [%s]: %s	The portal was unable to set a receiver option	

UM 5.3 Lbmrd Log Messages

The following table lists log messages from UM Topic Resolution daemon (lbmrd) functionality.

You may find searching on the Log Message ID the most effective method to find the message's description.

Table 4. UM 5.3 Lbmrd Log Messages

Message	Description	Resolution
Lbmrd-5688-4674: LBMR Topic Query Record malformed. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	
Lbmrd-5688-4675: LBMR Topic Info Record malformed. Dropping remainder.	UMS encountered a mismatch in the length of a received message and its headers, determining the rest of the message to be invalid. The remainder of the message is dropped. Contact Informatica support if this message occurs frequently.	

UM 5.3 Persistent Store Log Messages

The following table lists log messages from UM Persistent Store (`umestored`) functionality.

You may find searching on the Log Message ID the most effective method to find the message's description.

Table 5. UM 5.3 Persistent Store Log Messages

Message	Description	Resolution
Store-5688-4914: queue "%s" ReadFile read %u nbytes %u %u	The Store has attempted to read the sinc file for the specified number of bytes but was unable to read the entire amount.	Please check the errno and take appropriate actions.
Store-5688-4915: queue "%s" aio_read returned %u nbytes %u %u	The Store has attempted to read the sinc file for the specified number of bytes but was unable to read the entire amount.	Please check the errno and take appropriate actions.
Store-5688-5070: default thread stack size is perhaps too small, %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small. The size of the default stack size is dumped and will then be set to a larger size automatically.	

Message	Description	Resolution
Store-5688-5071: reset thread stack size to %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small and is reallocated. This message reports the new size of the stack.	
Store-5688-5261: default thread stack size is perhaps too small, %u bytes.	The store has created a thread for internal processing and the default stack size is too small. The size of the default stack size is dumped and will then be set to a larger size automatically.	
Store-5688-5262: reset thread stack size to %u bytes.	The store has created a thread for internal processing and the default stack size is too small and is reallocated. This message reports the new size of the stack.	
Store-5688-5290: store "%s" SesnID 0x%x RegID %u repository-type forced to disk	Enforcing disk repository. It is currently configured as not disk.	
Store-5688-5332: AUDIT: queue "%s" topic "%s" enqueued " UMQ_MSGID_FORMAT	A message was written to disk that was received directly from a source.	This informational message is provided when 'log audit trail' is enabled.
Store-5688-5333: AUDIT: queue "%s" topic "%s" resubmitted " UMQ_MSGID_FORMAT	A message was written to disk that was not received directly from a source.	This informational message is provided when 'log audit trail' is enabled.
Store-5688-5478: WARNING: store "%s" existing SesnID 0x%x RegID %u cache file could not be recreated. Renaming files.	Failure to recreate repository, possible data corruption or insufficient memory on the machine	Look at the Store log for additional information
Store-5688-5562: WARNING: Store "%s" existing state file [%s] malformed. Renaming files.	While reading in the store's state file for a source, the store detected the file to be corrupt. The file will be renamed and the store will continue to initialize.	The state and cache files can be corrupt if the store was improperly shutdown.
Store-5688-5571: Store "%s" source SesnID 0x%x RegID %u source persistence registration received while in unknown state %d	Source registration received in unknown state	no resolution
Store-5688-5574: Store "%s" Receiver Persistence Registration received without topic resolution ad. Source RegID %u	Received preg request before TIR	check tir configs
Store-5688-6526: umestore_retx_create failed: shutting down %s	Possible Malloc Failure or too big queue size requested	Look at the log file for other failures

Message	Description	Resolution
Store-5820-1: releasing sinc msg ID [%x : %x] but could not find in SINC queue msg list	A message was previously added to an internal list for queue browsing support, but was not found in that list upon dequeueing the message.	
Store-5820-2: msg [%x : %x] was already present in SINC msg list; removing old	A newly received message was already present in an internal message list used for queue browsing support.	
Store-5820-3: msg [%x : %x] was already present in SINC msg list; removing old	A newly received message was already present in an internal message list used for queue browsing support.	
Store-5867-4: could not create skipped msg list	An internal error occurred during ASL creation	Look for previous error messages in the log such as a malloc error
Store-5867-5: could not create skipped msg list	An internal error occurred during ASL creation	Look for previous error messages in the log such as a malloc error
Store-5867-8: error occurred while evaluating message selector %s	An error occurred while evaluating the message selector during assignment for this receiver and message	Look for previous error messages in the log regarding message selector evaluation problems
Store-5867-9: error occurred while evaluating message selector %s	An error occurred while evaluating the message selector during assignment for this receiver and message	Look for previous error messages in the log regarding message selector evaluation problems
Store-5891-12: source RegID %u disk-cache file contains duplicate sqn %x	Duplicate sequence number is detected for the repository being processed	
Store-5891-13: Could not initialize %s Repository: %s	Key Value Store subsystem failed to start	
Store-5891-14: Store "%s" could not shutdown %s subsystem properly.	Store could not shutdown reduced-fd subsystem	Contact customer support with the log file.
Store-5891-15: Store "%s" could not activate the %s subsystem	Reduced-fd subsystem is initialized, but can not be activated due to failure activation message send error.	Contact customer support.
Store-5891-17: could not create disk_info_t for the repo[SesnID 0x %x RegID %u]	If the log message is preceded by NULL ptr errors, Store is attempting to create a structure when it should not. Otherwise, system is out of memory.	Report a bug report if the message is preceded by NULL ptr error. Otherwise, root cause of memory problem should be investigated.

Message	Description	Resolution
Store-5891-18: WARNING: store "%s" existing SesnID 0x%x RegID %u disk metadata and Store can not delete reduced-fd repository from disk. Error occurred during the submission of delete requests of the messages that belong to repository being deleted to the thread responsible for deleting messages from the disk.	Contact customer support.	
Store-5891-2: could not submit to control-queue 0x%x [%s:%d]	Can not enqueue control event to key/value worker threads control queue	
Store-5891-21: sanity check failed [%s:%d]	Function is called in state that is not expected by the function.	Contact customer support
Store-5891-22: sanity check failed [%s:%d]	Function is called in state that is not expected by the function.	Contact customer support
Store-5891-23: store "%s" %s store write returned: %s with error code: %d	Reduced-fd subsystem can not persist message(s) to disk. Return message and error code give more details.	Contact customer support with the log message printed.
Store-5891-24: store "%s" %s store write returned error code: %d	Reduced-fd subsystem can not persist message(s) to disk. Error code give more details.	Contact customer support with the log message printed
Store-5891-30: error in closing the state_fd after re-start is completed for the repo	Reduced-fd repository state file descriptor can not be closed. This is an operating system error.	Contact customer support with the store log file.
Store-5891-32: Store Recovery: key length mismatch read key length: %u does not match 8-byte key	While recovering reduced-fd repository, corrupted message is read from the disk. The length of the key that is used to store messages to disk is always 8 bytes. Store is going to discard this message.	Contact customer support with the store log file.
Store-5891-33: Store Recovery: value pointer is null	While recovering reduced-fd repository, message contents are missing for a key value.	Contact customer support with the store log file.
Store-5891-34: key pointer is NULL	While recovering reduced-fd repository, a message without a key value is detected. Store is going to discard this message.	Contact customer support with the store log file.

Message	Description	Resolution
Store-5891-35: Store Recovery: Duplicate sequence # is detected, deleting the entry with key: %u	During the re-start (following a crash or shutdown), for reduced-fd repositories, while processing messages previously written to disk, the message being processed has a duplicate sequence number---another message with the same sequence number was processed previously. Store is going to discard this message.	Contact customer support with the store log file.
Store-5891-36: Store Recovery: internal error when processing the entry with key: %u	During the re-start (following a crash or shutdown), for reduced-fd repositories, while processing messages previously written to disk, an internal error (resource creation, or memory error) occurred.	Contact customer support with the store log file.
Store-5891-38: Can not create %s repo thread	On windows platform, creation of the thread responsible for processing reduced-fd I/O requests failed.	Contact customer support with store log file.
Store-5891-39: Can not open %s repository	The reduced-fd store can not open/ create reduced-fd folder. This error is FATAL.	Contact customer support. Please provide the execution environment, i.e. OS details.
Store-5891-4: NULL ptr [%s:%d]	Null pointer detected	
Store-5891-40: Can not create %s worker thread info holder structure	The thread information structure that holds vital information that is needed for reduced-fd I/O requests can not be created due to lack of memory	The root cause of the low memory needs to be found, store can not function in this state.
Store-5891-41: Can not get %s repository attribute values	The function responsible for gathering reduced-fd subsystem parameters failed.	Contact customer support with the store log file.
Store-5891-42: Can not create %s dispatch thread	The thread responsible for calling callback functions for the previously submitted reduced-fd I/O requests can not created.	Contact customer support with store log file.
Store-5891-43: FATAL: Can not open %s repository: %s: Error %s	The reduced-fd store can not open/ create the reduced-fd folder. This error is FATAL.	Contact customer support. Please provide the execution environment, i.e. OS details.
Store-5891-44: Rename The reduced-fd store can not open/ create the reduced-fd folder within the cache folder.	Failure to open reduced-fd folder is a serious error. Try running store with an empty cache folder, if error persists, contact customer support	

Message	Description	Resolution
Store-5891-45: %s worker thread can not pass the read record to dispatch thread	Reduced-fd subsystem error. Requested message writes requests are processed, i.e. either messages are persisted to disk, or error code is returned, however, request call back is not going to be called due to error in sending the status code to call back dispatch thread	Contact customer support with the store log file.
Store-5891-46: %s worker thread can not commit message deletes: err: %s	When store is shutting down, the reduced-fd subsystem can not delete messages from disk. Possible failure reasons are reduced-fd-api error, memory error, or NULL pointer might have been passed to delete function.	Contact customer support with the store log file.
Store-5891-47: %s worker thread can not commit message deletes during shutdown: err: %s	When store is shutting down, reduced-fd subsystem can not delete messages from disk. Possible failure reasons are leveldb-api error, memory error, or NULL pointer might have been passed to delete function.	Contact customer support with the store log file.
Store-5891-48: %s worker thread can not commit batch deletes: err: %s	Reduced-fd subsystem can not delete messages from disk. Possible failure reasons are reduced-fd-api error, memory error, or NULL pointer might have been passed to delete function.	Contact customer support with the store log file.
Store-5891-49: %s worker thread can not commit batch deletes: err: %s	Reduced-fd subsystem can not delete messages from disk. Possible failure reasons are reduced-fd-api error, memory error, or NULL pointer might have been passed to delete function.	Contact customer support with the store log file.
Store-5891-5: NULL ptr [%s:%d]	Null pointer detected	
Store-5891-50: %s worker thread can not read msg from %s repository err_code: %u	A message belonging to a reduced-fd repository can not be retrieved from the disk. There are multiple causes that lead to this error.	The error code in this log message provides more information regarding to why message can not be retrieved. Contact customer support with the store log file.
Store-5891-51: %s worker thread can not pass write request status to dispatch thread err_code: %u	Reduced-fd subsystem error. Requested message writes requests are processed, i.e. either messages are persisted to disk, or error code is returned, however, request call back is not going to be called due to error in sending the status code to call back dispatch thread	Contact customer support with the store log file.

Message	Description	Resolution
Store-5891-52: %s worker thread can not commit the write request err_code: %u err: %s	Reduced-fd repository can not persist message(s) to disk due to internal failure. Error code is printed to log file.	Contact customer support with the store log file.
Store-5891-54: Can not delete repository from %s repository	Store can not delete reduced-fd repository from disk. Error occurred during the submission of delete requests of the messages that belong to repository being deleted to the thread responsible for deleting messages from the disk.	Contact customer support with store log file.
Store-5891-55: Can not delete half constructed repository	This error is reported when a reduced-fd repository is being deleted. The function that deletes a part of the repository resources has been called in a wrong state, i.e. the function must have been asked to clean a resource that does not exist.	Contact customer support with store log file.
Store-5891-56: Can not create msg info for sqn: %u msgid: %u regid: %u	During the re-start (following a crash or shutdown), while processing messages written to disk for reduced-fd repositories, store can not allocate memory for holding message information. System is low in memory.	The root cause of the low memory needs to be found, store can not function in this state.
Store-5891-57: Delete a repository from %s repository failed	Store can not delete reduced-fd repository from disk. Error occurred during the submission of delete requests of the messages that belong to repository being deleted to the thread responsible for deleting messages from the disk.	Contact customer support with store log file.
Store-5891-58: %s repository delete failed	Store can not delete reduced-fd repository from disk. This error might have occurred during the submission of delete requests of the messages that belong to repository being deleted to the thread responsible for deleting messages from the disk. This error might also have occurred if the function that deletes reduced-fd repository in a wrong state.	Contact customer support with the store log file.
Store-5891-59: %s worker thread can not commit deletes: err: %s	The thread that is responsible for processing reduced-fd I/O requests can not delete messages from the disk. The logged message provides more information regarding to nature of the error.	Contact customer support with the store log file.
Store-5891-6: NULL ptr [%s:%d]	Null pointer detected	

Message	Description	Resolution
Store-5891-7: default thread stack size is perhaps too small, %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small. The size of the default stack size is dumped and will then be set to a larger size automatically.	
Store-5891-8: reset thread stack size to %u bytes.	The IPC receiver has created a thread for internal processing and the default stack size is too small and is reallocated. This message reports the new size of the stack.	
Store-5892-1: retx thread dequeued node of unknown type: %u	An unexpected internal value was encountered.	Please contact support.
Store-5892-2: retx thread error occurred while processing node type: %u, %s	An error was encountered while sending a retransmission or unicast control message.	Check store machine for oversubscription.
Store-6007-1: Reclaiming Message Event: store "%s" topic "%s" source SesnID 0x%x RegID %u	display the information on the reclaimed message: the topic name and source ID	
Store-6007-2: Reclaiming Message Event: store "%s" topic "%s" source SesnID 0x%x RegID %u receiver SesnID 0x%x RegID %u	display the information on the reclaimed message: the topic name and source ID and receiver IDs	
Store-6007-4: unknown type of logging message: type=%d	unknown logging messages.	
Store-6007-5: [umestore repository] reclamation apply_criteria() failed.	errors occur when applying the criteria to log reclaimed messages	
Store-6034-11: queue "%s" client re-create error: client reg ID %x could not be re-created	A client could not be re-created upon reading a context registration event from the SINC log. Something probably went really wrong - malloc failed, etc.	Contact Informatica support.
Store-6034-3: queue "%s" receiver registration error: topic "%s" could not create receiver	A UMQ receiver could not be created - this probably means malloc failed or something else went terribly wrong.	Contact Informatica support.
Store-6034-4: could not create queue SID ctlr	The UMQ session ID controller could not be created; this probably means malloc failed.	Contact Informatica support.

Message	Description	Resolution
Store-6034-5: queue "%s" log read RCV REG topic RCR_IDX %x unknown	A receiver registration event was read in from the SINC log file that is for a topic that is\n not currently configured in the queue.	Did the configured topics change in between runs of the queue? Changing queue configuration\n in between runs without clearing out old SINC log files is not supported. If configured topics did\n not change, contact Informatica support.
Store-6034-6: queue "%s" receiver recreate error: registration ID not found	A receiver registration event was read in from the SINC log file without a corresponding initial\n client registration - most likely the SINC log file is corrupt.	Contact Informatica support.
Store-6034-7: queue "%s" receiver re-create error: topic "%s" receiver-type ID %u not understood	A receiver registration event was read in from the SINC log file that is for a receiver type ID that is\n not currently configured in the queue.	Did the configured receiver type IDs change in between runs of the queue? Changing queue configuration\n in between runs without clearing out old SINC log files is not supported. If configured receiver type IDs did\n not change, contact Informatica support.
Store-6034-8: queue "%s" receiver re-create error: topic "%s" receiver assign ID %x could not be re-created	A receiver could not be re-created upon reading a receiver registration event from the SINC log. Something probably went really wrong - malloc failed, etc.	Contact Informatica support.
Store-6199-1: ldb disp thread dequeued node of unknown type: %u	An unexpected internal value was encountered.	Please contact support.
Store-6199-2: ldb disp thread error occurred while processing node type: %u, %s	An error was encountered while sending stability ack or retransmission	Check store machine for oversubscription.
Store-6199-3: lbm_shutdown_log: WFSO res=%d, GLE=%d	An unexpected error encountered while shutdown	Contact support
Store-6233-1: Store %p "%s" read error: message with id %u does not exist.	An asynchronous reduced-fd repo read error occurred because the message could not be found.	
Store-6233-2: Store %p "%s" read error: message had an unexpected length.	An asynchronous reduced-fd repo error occurred because the message had an unexpected length.	
Store-6233-3: Store %p "%s" generic read error.	An asynchronous reduced-fd repo generic read error occurred.	
Store-6233-4: Store %p "%s" unknown asynchronous read error (%u)	An asynchronous reduced-fd repo read reported an unknown error code, possible memory corruption or garbage pointer.	

Message	Description	Resolution
Store-6241-3: error occurred while evaluating message selector %s	An error occurred while evaluating the message selector during assignment for this receiver and message	Look for previous error messages in the log regarding message selector evaluation problems
Store-6246-1: Store "%s" topic "%s" source SesnID 0x%x RegID %u re-registering with a different ume_flightsz_bytes value.	reregistration with invalid ume_flightsz_bytes value	cannot change config values and re-register
Store-6246-100: Store "%s" topic "%s" source SesnID 0x%x RegID %u registering with an invalid ume_flightsz_bytes value.	registration with invalid ume_flightsz_bytes value	check config
Store-6246-2: Store "%s" topic "%s" source SesnID 0x%x RegID %u registering as a rpp source but rpp is not allowed.	rpp source registering to a non-rpp repo.	check configs.
Store-6246-200: store "%s" topic "%s" source SesnID 0x%x RegID %u registering with an invalid ume_repository_size_threshold value.	Reregistration with invalid ume_repository_size_threshold value	Check config
Store-6246-2000: store "%s" topic "%s" source SesnID 0x%x RegID %u repository-size-threshold is greater than repository-size-limit	Repository size threshold is greater than repository size limit	Check config
Store-6246-2100: store "%s" topic "%s" source SesnID 0x%x RegID %u repository-size-limit is greater than 90% of repository-disk-file-size-limit	Repository size limi tis greater than 90% repository disk file size limit	Check config
Store-6246-22: store "%s" topic "%s" source SesnID 0x%x RegID %u reregistering and trying to set the ume_repository_disk_file_size_limit when the repository is not a disk repository.	Reregistration with ume_repository_size_threshold value but not a disk store	Cannot change config values and reregister
Store-6246-2200: store "%s" topic "%s" source SesnID 0x%x RegID %u registering and trying to set the ume_repository_disk_file_size_limit when the repository is not a disk repository.	Reregistration with disk file size limit when repo is memory	Check config
Store-6246-3: Store "%s" topic "%s" source SesnID 0x%x RegID %u re-registering with a different ume_repository_size_limit value.	reregistration with invalid ume_repository_size_limit value	cannot change config values and re-register

Message	Description	Resolution
Store-6246-300: Store "%s" topic "%s" source SesnID 0x%x RegID %u registering with an invalid ume_repository_size_limit value.	registration with invalid ume_repository_size_limit value	check config
Store-6246-3000: store "%s" topic "%s" source SesnID 0x%x RegID %u repository-size-threshold must be greater than the ume_flight_size	Repository size threshold less than flight size in bytes	Check config
Store-6246-4: Store "%s" topic "%s" source SesnID 0x%x RegID %u re-registering with a different ume_repository_disk_file_size_limit value.	reregistration with invalid ume_repository_disk_file_size_limit value	cannot change config values and re-register
Store-6246-400: Store "%s" topic "%s" source SesnID 0x%x RegID %u registering with an invalid ume_repository_disk_file_size_limit value.	registering with invalid ume_repository_disk_file_size_limit value	check config
Store-6246-5: Store "%s" topic "%s" source SesnID 0x%x RegID %u re-registering with a different ume_write_delay value.	reregistering with invalid ume_write_delay value	cannot change config values and re-register
Store-6246-500: Store "%s" topic "%s" source SesnID 0x%x RegID %u registering with an invalid ume_write_delay value.	registering with invalid ume_write_delay value	check config
Store-6246-6: Store "%s" topic "%s" source SesnID 0x%x RegID %u re-registering with a different ume_repository_ack_on_reception value.	reregistering with invalid ume_repository_ack_on_reception value	cannot change config values and re-register
Store-6246-600: Store "%s" topic "%s" source SesnID 0x%x RegID %u registering with an invalid ume_repository_ack_on_reception value.	registering with an invalid ume_repository_ack_on_reception value	check config
Store-6246-7: Store "%s" toic "%s" source SesnID 0x%x RegID %u registering with an unknown configuration option "%s".	registering with an unknown configuration option	version mismatch
Store-6246-700: store "%s" topic "%s" source SesnID 0x%x RegID %u registering with an unknown configuration option "%s".	Reregistration with unknown config options	Version mismatch

Message	Description	Resolution
Store-6246-8: store "%s" topic "%s" source SesnID 0x%x RegID %u registering with as a RPP source but RPP is not allowed.	Registering as RPP but RPP is not allowed	Check configs
Store-6246-9: Store "%s" topic "%s" source SesnID 0x%x RegID %u re-registering with a different ume_repository_size_threshold value.	reregistration with invalid ume_repository_size_threshold value	cannot change config values and re-register
Store-6246-900: Store "%s" topic "%s" source SesnID 0x%x RegID %u registering with an invalid ume_repository_size_threshold value.	registration with invalid ume_repository_size_threshold value	check config
Store-6254-0001: queue "%s" received message list request with message selector string, but can not create message selector object.	can not create internal msg selector object.	
Store-6298-10: Store "%s" source SesnID 0x%x RegID %u deregistered %s.%u	source has deregistered	source deregistered
Store-6298-11: Store "%s" attempting to deregister a source SesnID 0x%x RegID %u that has already deregistered	source is trying to deregister even though it was already deregistered	preg response for deregistration may have been lost.
Store-6298-12: Store "%s" receiver SesnID 0x%x RegID %u deregistered %s.%u	receiver is deregistering	receiver has deregistered
Store-6298-13: Store "%s" attempting to deregister a receiver SesnID 0x%x RegID %u that has already deregistered	a deregistered receiver is trying to deregister	preg response for deregistration may have been lost.
Store-6298-14: Store "%s" attempting to deregister a client SesnID 0x%x RegID %u that does not exist	deregistering something that does not exist	a client is attempting to deregister even after it's lifetime / activity timeout has expired.
Store-6300-1: Store "%s" Non-RPP receiver attempting to register to a RPP topic	non-RPP receiver registering to a rpp topic	check receiver config and turn on rpp
Store-6301-1: Store "%s" topic "%s" source SesnID 0x%x RegID %u re-registering as a normal source when it was previously registered as a rpp source.	spp source re-registering when previously registered as rpp	turn on rpp at the source

Message	Description	Resolution
Store-6301-2: Store "%s" topic "%s" rpp source SesnID 0x%x RegID %u re-registering when previously registered as a non-rpp source.	rpp source re-registering when previously registered as spp	turn off rpp at the source
Store-6318-4: Unmap error: %s	An operating system error was encountered when attempting to clean up the state file mapping	Check the log message for the system error code and investigate further.
Store-6353-1: store "%s" Original Receiver Paced Persistence (RPP) receiver attempting to re-register to a RPP topic as a non-RPP receiver	An a receiver that has registered as an RPP receiver is currently attempting to re-register as a non-RPP receiver. This is not allowed.	The receiver is misconfigured.
Store-6356-1: store "%s" topic "%s" Proxy creation failed to set receiver paced persistence options, %s	An error occurred setting receiver paced options on proxy source attributes which are required for registration. Proxy source cannot be created.	Check error message for exact cause and consult the configuration guide.
Store-6375-1: Can not commit the special delete request	Key value worker thread can not commit the special delete request	
Store-6375-2: Can not commit the special delete request	Key value worker thread can not commit the special delete request	
Store-6375-3: %s worker thread can not commit the special delete request err_code: %u	A message belongs to reduced-fd repository can not be deleted from the disk.	The error code in this log message provides more information regarding to why message can not be deleted. Contact customer support with the store log file.
Store-6375-4: %s worker thread can not commit the special delete request err: %s	A message belongs to reduced-fd repository can not be deleted from the disk.	The error code (followed by err:) in this log message provides more information regarding to why message can not be deleted. Contact customer support with the store log file.
Store-6395-116: Ack adjustment failed	In a reduced-fd RPP repository, during the re-start(following a shutdown, or crash), the function that calculates, for each message in the repository, number of receivers that need that message failed.	Contact customer support with the log file.
Store-6397-1: store "%s" source SesnID 0x%x [RegID %u] [%s repo] [message-sqn %x] CKSUM failed %x[cksum on recovered msg]	During the re-start (following crash, or a re-start), for a reduced-fd repository message read from the disk, checksum failed. Message must have been corrupted.	Contact customer support with the store log file.

Message	Description	Resolution
Store-6397-2: Repository check-sum check function failed on src regid: %u	The function resposible for check sum processing is called in a wrong state, i.e., one or many of the resource are missing (NULL). The checksum of the messages is not checked.	Contact customer support with the store log file.
Store-6417-2: INFO: Store "%s" could not open existing cache file [%s]	The store can not open repository cache file. The file might have been deleted, or for some other reason store can not open it.	Contact customer support with the store log file, and list of files in state and cache directory.
Store-6417-3: Can not find the max sqn of rcv [regid: %u]	The function that is responsible for finding maximum sequence number of the current receivers failed.	Contact customer support with the store log file.
Store-6417-4: Repo:%u has no messages on disk, and sqn adjustment failed	During the re-start (following shutdown, or crash), sequence number adjustment of empty repository failed. Note that, in RPP mode, if all the receivers are keeping up with the source, repository can be empty.	This error message is preceded with other related error messages. Contact customer support with the store log file.
Store-6417-5: could not initialize %s repository: %s	Reduced-fd subsystem can not be initialized.	This error message is preceded with other related error messages. Contact customer support with the store log file.
Store-6417-6: INFO: Store "%s"cache file [%s] exist, and repo is marked as reduced fd repo in state file. invalid repo state	Inconsistent state has been detected. For a particular repository, there is cache file, and the repository is marked as reduced-fd repository.	Contact customer support with store log file, and the list of files in state and cache directory.
Store-6417-7: INFO: Store "%s" RegID: %u triggered late reduced-fd system initialization	This is an information message. Late initialization is triggered when a configuration file is changed such that all the reduced-fd repositories are deleted or changed to disk. If there is a state file for the repositories whose type is changed from reduced-fd to disk, then original repository type--reduced-fd-- is enforced, and late initialization is triggered.	Remove the disk cache file or restore the configured repository type to reduced-fd
Store-6425-1: store "%s" SesnID 0x%x RegID %u Configured repo type: %u is different than the original type: %u Forcing the original type	During the restart (following crash or shutdown), a repository type is changed, however, this is not allowed before the source deregistration. Store is going to enforce original repository type.	Remove the store's state and cache files or restore the configured repository type to the original value.

Message	Description	Resolution
Store-6492-1: Store "%s" topic "%s" source SesnID 0x%x RegID %u registering and trying to set the ume_repository_disk_file_size_limit when the repository is not a disk or reduced_fd repository.	registration setting disk size limit when you aren't a disk or a reduced_fd store	Check configuration.
Store-6492-2: Store "%s" topic "%s" source SesnID 0x%x RegID %u registering and trying to set the ume_repository_disk_file_size_limit when the repository is not a disk or reduced_fd repository.	registration setting disk size limit when you aren't a disk or a reduced_fd store	Check configuration.
Store-6492-3: Store "%s" topic "%s" source SesnID 0x%x RegID %u repository-size-threshold is greater than repository-size-limit	Repository size threshold is greater than repository size limit	Check config
Store-6492-4: Store "%s" topic "%s" source SesnID 0x%x RegID %u repository-size-limit is greater than 90%% of repository-disk-file-size-limit	Repository size limit is greater than 90% repository disk file size limit	Check config
Store-6492-5: Store "%s" topic "%s" source SesnID 0x%x RegID %u repository-size-threshold must be greater than ume_flight_size_bytes	Repository size threshold less than flight size in bytes	Check config
Store-6524-1: msg_size_on_disk is called for a unrecoverable lost sqn: %u	The function that calculates the message size in disk for reduced-fd repositories is called for a loss message. Function handles the case correctly, however, this function is not supposed to be called for the loss messages.	Contact customer support.
Store-6543-1: could not lseek cache file RegID %u: %s	During the creation of repository cache file, system call to change the file offset to the beginning of the cache file failed.	Contact customer support
Store-6543-2: could not write cache file RegID %u: %s	During the creation of repository cache file, special marker can not be written to the cache file.	Contact customer support
Store-6557-1: store "%s" source SesnID 0x%x RegID %u Re-Registered and moved to Indices %u.%u [%s.%u] RPP	RPP source reregistered	RPP source reregistered
Store-6557-2: store "%s" receiver SesnID 0x%x RegID %u Re-Registered and moved to Indices %u.%u [%s.%u] RPP	RPP receiver re-registered	RPP receiver re-registered

Message	Description	Resolution
Store-6589-2: WARNING: msync EIO from umestore_state_update_rcv_timers	write all modified data to the disk.	
Store-6607-1: queue "%s" observer receiver registration error: topic "%s" could not create observer receiver	A UMQ observer receiver could not be created - this probably means malloc failed or something else went terribly wrong.	Contact Informatica support.
Store-6607-2: queue "%s" receiver registration error: assign ID 0x%x could not re-create receiver	A UMQ receiver could not be re-created - this probably means malloc failed or something else went terribly wrong.	Contact Informatica support.
Store-6620-1: INFO: Could not rename file [%s] to [%s]: %s	The system failed to rename a corrupted cache or state file.	Review the system error string and resolve the system issue before restarting the store.
Store-6652-1: umestore_retx_timer_check : retx_ctrl is not allocated	Retransmission Control Structure is not allocated	View Store log for errors
Store-6807-1: lbm_shutdown_log: WFSO res=%d, GLE=%d	An error was encountered while Shutting Down Umestore	Check store log of other errors
Store-6975-1: source registered with zero RegID or no store information was found - proxy source disabled	A source attempted to register to a store with proxy sources enabled but did not have explicit registration IDs or session IDs enabled, or did not send store configuration information with the registration.	Check the source to make sure registration IDs or session IDs are explicitly specified, or check that compatible versions of source and store applications are used.

UM 5.3 Persistent Store API Log Messages

The following table lists log messages from UM Persistent Store API (umestored) functionality.

You may find searching on the Log Message ID the most effective method to find the message's description.

Table 6. UM 5.3 Persistent Store API Log Messages

Message	Description	Resolution
StoreApi-5867-10: error occurred parsing message selector string < %s>	The message selector string is invalid or could not be parsed.	Please check the UM Documentation for valid syntax.
StoreApi-5867-11: parsing error occurred while updating the message selector with string <%s>	The message selector string is invalid or could not be parsed.	Please check the UM Documentation for valid syntax.

Message	Description	Resolution
StoreApi-5867-12: parsing error occurred while creating a message selector with string <%s>	The message selector string is invalid or could not be parsed.	Please check the UM Documentation for valid syntax.
StoreApi-5867-6: could not insert umq_topic_appset_t skipped rcv list ASL [%s:%d]	An internal error occurred during ASL insertion	Look for previous error messages in the log such as a malloc error
StoreApi-5867-7: could not insert umq_topic_appset_t skipped rcv list ASL [%s:%d]	An internal error occurred during ASL insertion	Look for previous error messages in the log such as a malloc error
StoreApi-5891-1: could not create tl queue [%s:%d]	Key value repo worker thread's queue creation failed	
StoreApi-5891-10: could not create recovery asl	Memory error during the ASL creation	
StoreApi-5891-11: could not create repo ASL	Memory error: repository message asl creation is failed	
StoreApi-5891-19: Repository async read submit error	There was an error submitting an async read operation to the queue.	This usually results from malloc failure, ensure host machine has sufficient resources.
StoreApi-5891-28: umestore_state_new_rcv re-opening state file failed. %s	Can not re-open state file	
StoreApi-5891-29: umestore_state_new_rcv closing fd after re-opening failed. %s	Can not close the file descriptor after reopening it.	
StoreApi-5891-3: could not allocate %u bytes [%s:%d]	MALLOC error	
StoreApi-5891-37: could not create repo ASL	Memory error: repository message asl creation is failed	
StoreApi-5891-53: could not create repo rcv_ack_cache	Repo rcv ack cache creation failed	
StoreApi-5891-60: umestore_state_create closing fd failed: %s	Can not close the file descriptor	
StoreApi-5891-9: pthread_create: %d	Key value repo worker thread creation failed	
StoreApi-6007-12: could not create repo log	some errors occurred when creating the reclamation log.	

Message	Description	Resolution
StoreApi-6034-10: could not insert umq_topic_rcv_t into appset active_rcv_assign_q [%s:%d]	A UMQ receiver could not be placed in an application set's internal list of receivers with\n non-empty per-receiver assignment queues. This probably means malloc failed.	Contact Informatica support.
StoreApi-6034-9: could not create receiver assign_q [%s:%d]	The per-receiver assignment queue could not be created - this probably means malloc failed.	Contact Informatica support.
StoreApi-6118-100: could not create repo rcv_ack_cache	Could not create rcv ack cache	out of memory
StoreApi-6318-1: Failed to unmap file. System error (%d)	The operating system call to unmap the state file returned an error.	Check the system error code and determine why it would happen
StoreApi-6318-2: Failed to close state file mapping handle. System error (%d)	The operating system call to close the state file mapping handle returned an error.	Check the system error code and determine why it would happen
StoreApi-6318-3: Failed to unmap state file. System error (%d)	The operating system call to unmap the state file returned an error.	Check the system error code and determine why it would happen
StoreApi-6333-1: Attempting to delete NULL disk info, file was not created.	The store was deleting a repository and the disk info holder was NULL. There were most likely errors when the store attempted to create the disk.	Investigate why the store could not create the disk info properly. Usually this occurs when the process has hit the file descriptor limit.
StoreApi-6333-2: Attempting to delete NULL state file. State file was not created.	The store was deleting a repository and the state file was NULL. There were most likely errors when the store attempted to create the file.	Investigate why the store could not create the state file properly. Usually this occurs when the process has hit the file descriptor limit.
StoreApi-6417-1: could not create repo ASL	Memory error: repository message asl creation is failed	
StoreApi-6543-3: umestore_repository_write_rec_marker CreateEvent: %s	Can not create event for rec marker	There is not resolution to this
StoreApi-6543-4: umestore_repository_write_rec_marker: WriteFile: %s	umestore_repository_write_rec_marker: GetLastError Failed	Get last error failed
StoreApi-6543-5: umestore_repository_write_rec_marker GetOverlappedResult: %s	GetOverlappedResult function failed	no resolution

Message	Description	Resolution
StoreApi-6589-1: umestore_state_update_rcv_timers FlushViewOfFile: %s	write to disk the mapping view of the state file.	
StoreApi-6589-3: umestore_state_update_rcv_timers msync: %s	write to disk the mapping view of the state file.	

INDEX

O

P

R

S

T

U

W

X