

Release Notes for SAS® Fraud Management 4.1_M0, Hot Fix 3

Description	Component	Summary	Test Scenario
Clear-text key values should not be printed to logs when the Java OnDemand Scoring Engine (JOSE) errors occur.	OSE	Not all fields that are populated in a JOSE error message are properly masked. Some information that is printing should not print without some data manipulation because the logs are used for many purposes, including troubleshooting.	After you install the hot fix, key values in the error messages for database integrity are masked in the log files.
When a socket interface is paused, you can connect to and send transactions. However, no response is sent to indicate that the socket is not available.	OSE	When sockets are used for the Input and InputSaf interfaces and the sockets are in a paused state, sent transactions are cached only in the socket buffers. These cached transactions are destroyed when the connection is closed.	When you install the hot fix and the socket is disabled, connections are not made and the following error is received: unable to obtain transaction data
The JOSE logs show Multi-Entity History (MEH) database errors with an SMH_RTN_CODE value of 8.	OSE	When MEH database errors with an SMH_RTN_CODE value of 8 appear in the JOSE logs, they do not provide any valuable meaning to the errors. Valid return codes should be 00, 04, and 12. Where the value of 8 is used, it should be 12.	After you install the hot fix, all response messages that contain the option SMH_REASON_CODE=5220 TN_ have an SMH_RTN_CODE value of 04 to indicate an application programming interface (API) time-out.
The JOSE only closes the connection when a commitment to a transaction fails.	OSE	Changes were made to how the J-OSE closes and reopens connections only when a retry fails in Hot Fix1 for release 4.1_M0. However, with that change, the behavior only happens that way when the commit action failed. The more common scenario of a failure that occurs before a transaction commitment is that the connection does not close and reopen. This behavior prevents recovery of a database connection.	When you install the hot fix, if there is a database-connection failure before to the commitment to a transaction, the JOSE reconnects and continues processing the transaction.

Description	Component	Summary	Test Scenario
<p>A mechanism is needed to force output threads to close Message Queue (MQ) connections.</p>	<p>OSE</p>	<p>It can be difficult to quickly restart the MQ when Store And Forward (SAF) threads try to reconnect. A new property is required in order to suspend output.</p>	<p>After you install the hot fix, a new property (SuspendOutput) is available and enabled. When the JOSE disconnects from the queue manager, it collects transactions into its memory, which allows MQ to be restarted.</p>
<p>The JOSE needs a setting that enables to be routed to other systems.</p>	<p>OSE</p>	<p>The JOSE should route messages to multiple applications. You can use the SMH_DEST field to route the transactions to either the Alert Generation System (AGS), the One Behind Database Entity (OBDE) queue, or both, depending on what value the SMH_DEST field is set to.</p>	<p>With the hot fix in place, JOSE sets the SMH_DEST field to SFME and routes messages to the correct system.</p>
<p>The AGS cannot establish an MQ Secure Sockets Layer (SSL) connection when you use client mode for all queues.</p>	<p>ALERTS</p>	<p>The AGS should support SSL client connections to the MQ Queue Managers.</p>	<p>When you install this hot fix, the AGS can make secure connections to the remote queues by using an SSL enabled channel and self-signed certificate. With this hot fix, transactions process without error.</p>