

## Release Notes for SAS® Fraud Management 4.4\_M0, Hot Fix 6 Version 5, Release 6.1

Description	Component	Summary and Business Impact	Test Scenario
<p>Rule estimation fails when you use historical data and the %HASRULEFIRED macro.</p>	ESTIMATION	<p><b>Summary:</b> Estimations might fail when you use historical data and the %HASRULEFIRED macro. You receive the following error message:</p> <pre style="margin-left: 40px;">ERROR: SMH_BUILD_NUM pre-dates variable segment last-update build number:</pre> <p><b>Business Impact:</b> The effectiveness of a new rule cannot be tested by running an estimation on historical data.</p>	<p>After you apply this hot fix, rule estimation completes successfully.</p>
<p>When a rule estimation follows the slow path, the selected options are not considered in estimation results.</p>	ESTIMATION	<p><b>Summary:</b> When you run an estimation that uses the slow path, a warning dialog box is displayed that prompts you to either continue or cancel. When this dialog box appears, any options that were selected are no longer checked and the options are not used by the estimation.</p> <p><b>Business Impact:</b> Estimation options are limited for estimations that take the slow path.</p>	<p>After you apply this hot fix, the selected options are by the rule estimation process.</p> <p><b>Note:</b> The check marks for options that are selected still disappear from the web page, but the estimation is not impacted. A fix for this UI issue is planned for a future release.</p>
<p>On Oracle systems, a query that is used in rule estimation is slow.</p>	ESTIMATION	<p><b>Summary:</b> On Oracle systems, a query that is used in rule estimation is slow because of a table scan.</p> <p><b>Business Impact:</b> Long-running estimations prevent timely testing of new rules.</p>	<p>After you apply this hot fix, a new index is created. This index should be used by Oracle to avoid the table scan.</p>

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User authorization request (RUA) variables are not read from the Transaction Data Repository (TDR) for rule estimation, rule testing, and rule debugging.	ESTIMATION	<p><b>Summary:</b> Rule estimation results are inaccurate when rules use RUA variables. The values of the variables are not read from the TDR.</p> <p><b>Business Impact:</b> The effectiveness of rules using RUA cannot be determined by using rule estimation. Fraudulent transactions might not be identified.</p>	After you apply this hot fix, the RUA variables are read from the TDR, and the rule estimation results will be accurate.
When you create a new rule, the New Rule Detail window opens slowly.	RULES	<p><b>Summary:</b> When you create a new rule on the <b>Rules</b> tab, the New Rule Detail window takes too long to open after you click the <b>New Rule</b> button and select <b>Code Editor</b>.</p> <p><b>Business Impact:</b> Creating a new rule in Rules Studio takes longer than it should.</p>	After you apply this hot fix, The New Rule Detail window opens more quickly.
When the rule list is long, adjusting the rule priority is difficult.	UI	<p><b>Summary:</b> If the rule list does not fit on a page and you use the drag-and-drop feature to adjust the priority, the rule disappears from the page. It is difficult to adjust the priority of a rule without adjusting the custom zoom to force all rules to be displayed on a single page.</p> <p><b>Business Impact:</b> Rules cannot be prioritized in the UI using the drag-and-drop feature.</p>	After you apply this hot fix, you can use the drag-and-drop feature to prioritize rules, regardless of the number of rules in the list.

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<p>On mainframe systems, the DB2 log contains uncommitted unit-of-recovery (UR) warning messages.</p>	<p>USC</p>	<p><b>Summary:</b> The DB2 log contains warning messages in this format:</p> <pre>DSNR035I csect-name WARNING - UNCOMMITTED UR AFTER number CHECKPOINTS</pre> <p>Some messages of this type are generated when the Universal SAS Connector (USC) retrieves the next sequence number from DB2 but then does not use it. In this situation, you can ignore the warning.</p> <p><b>Business Impact:</b> Warning messages in the DB2 log can generate alerts in third-party monitoring tools. Alerts require investigation by the database administrator. The administrator might not be able to distinguish between valid warnings and warnings that can be ignored.</p>	<p>After you apply this hot fix, the USC does not generate an uncommitted UR warning in the DB2 log when the USC retrieves the next sequence number.</p>