SUPPORT CONNECT KNOWLEDGE SERIES

Augment Your Problem-solving Capability

MARCH | EDITION 119

Welcome to the Finacle Global Support fortnightly knowledge bulletin! We're here to offer solutions for common challenges, share valuable tips, provide knowledge bytes, and keep you updated. Each edition is meticulously curated to ensure we share best practices and known resolutions. In this issue, you'll find the following articles:

- **ENV Parameter NO_SCRIPT_CACHE_IN_BATCH for Batch Processes**
- **Form Field Encryption Feature in Online Banking**

So, let's start reading!

ENV Parameter NO_SCRIPT_CACHE_IN_BATCH for Batch Processes
Product: Finacle Core | Version: 10.2.18 and above

In Finacle Core, there are two ways in which script is loaded in memory and executed by the application:

1. Once a script is loaded into memory, it remains in use for the entire life of the process.
2. Alternatively, the application checks if the script has changed before each execution. If the timestamp of the file has not changed, it uses the script already loaded in memory. If the timestamp has changed, the application discards the previously loaded script, loads the updated script, and executes it.

This behavior is controlled by the environment variable **SE_CHECK_DATE**. If this variable is set, the application follows the second approach, checking the timestamp of the script file before execution. If **SE_CHECK_DATE** is not set or is unset, the application uses the first approach. In general **SE_CHECK_DATE** is always set.

In a batch process, a script like **FinTran.scr** may be called multiple times for each record. If **SE_CHECK_DATE** is set, the timestamp is checked each time, which involves filesystem calls and can impact batch process performance.

To improve batch process performance, set the environment variable **NO_SCRIPT_CACHE_IN_BATCH** to **Y**. This will unset **SE_CHECK_DATE** for any batch process execution, avoiding frequent filesystem calls.

However, note that if **SE_CHECK_DATE** is unset, any changes to a script will only take effect after restarting the services or spawning new processes.

Form Field Encryption Feature in Online Banking
Product: Finacle Online Banking | Version: 11.2.x, 11.5

There are sensitive data which gets posted from browser to server for any of the user's activity/ event. An adversary can steal sensitive information such as **PII** from **MITM** (Man in The Middle), Browser cache, etc. during the posting of the messages from client to sever.

Bank can use Form field encryption feature of the product to encrypt the specific fields of the form to protect/ encrypt such data if they consider the same to be sensitive.

The below changes in **FBAAppConfig.xml** should be carried out to enable **Form Field Encryption**.

<Params name="FormsgroupConfig">

<Param name="CUSTOM_ENCRYPTION_ENABLED" value= "Y"/>

<Param name="CUSTOM_ENCRYPTION_CONFIG_FILE" value="CustomEncryption.xml"/>

   …

</Params>

The file mentioned under **CUSTOM_ENCRYPTION_CONFIG_FILE** tag should be present in ../WorkingDir/data/ folder.

Encrypted data field, (Field Name, FG Name, Jsp Name), needs to be identified and configured file name mentioned under **CUSTOM_ENCRYPTION_CONFIG_FILE** tag as per below points.

- The component name should be **JSP**/ **Page Name**.
- Data field must be configured inside the components (FGName, FieldName)
- Name and Value of Property should be same
- If particular component is having multiple fields, it can be configured in the same component.

Example: Entries in **CustomEncryption.xml** needs to be mentioned as below:

<ComponentName id ="InitiatePaymentUX3">

    <Property name="TranRequestManagerFG.INITOR_ACCOUNT" value="TranRequestManagerFG.INITOR_ACCOUNT"/>

    <Property name="TranRequestManagerFG.NWK_TYP"   value="TranRequestManagerFG.NWK_TYP"/>

  </ComponentName>

<ComponentName id ="CounterPartyRegistrationUX3">

    <Property name="CounterPartyCRUDFG.USER_INPUT_ACCT_NUMBER" value="CounterPartyCRUDFG.USER_INPUT_ACCT_NUMBER"/>

    <Property name="CounterPartyCRUDFG.CONFIRM_ACCT_NUMBER"   value="CounterPartyCRUDFG.CONFIRM_ACCT_NUMBER"/>

  </ComponentName>

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- **Finacle Knowledge Center -** https://docs.finacle.com/en/signin

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