Oracle® Financial Services

Compliance Studio Installation Guide

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Oracle Financial Services Compliance Studio Installation Guide, Release 8.1.2.9.0

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Document Control

The following table lists document control of this guide.

Table Document Control

Version Number	Revision Date	Change Log
8.1.2.9.2	July 2025	Added patch number for v8.1.2.9.2 in the How to Apply This Maintenance Level Release in the Compliance Studio? section.
8.1.2.9.0	April 2025	Created a new document for 8.1.2.9.0 release.

Preface

This section provides information on the Oracle Financial Services (OFS) Compliance Studio Installation Guide.

Audience

OFS Compliance Studio Installation Guide is intended for System Engineers who are responsible for installing and maintaining the application.

This document assumes that you have experience in installing Enterprise components and basic knowledge about the following:

- UNIX commands
- Database concepts

Related Resources

This section identifies additional resources to the OFS Compliance Studio. You can access additional documents from the Oracle Help Center.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

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Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Comments and Suggestions

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1 Introduction

The Oracle Financial Services Compliance Studio (OFS Compliance Studio) 8.1.2.9.0 Installation Guide provides instructions to install the OFS Compliance Studio 8.1.2.9.0 Maintenance Level (ML) release.

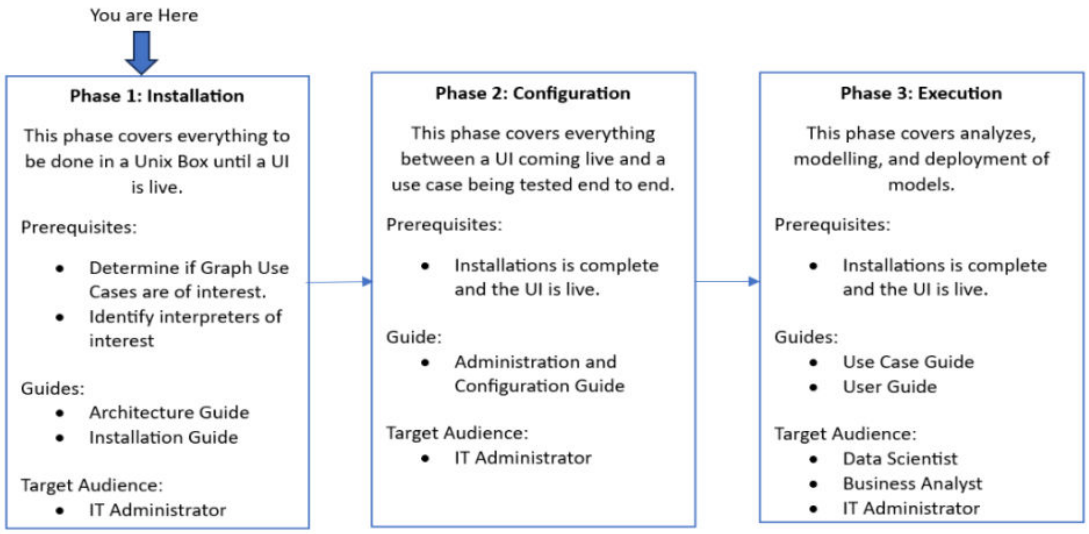
The OFS Compliance Studio 8.1.2.9.0 ML release includes all the bug fixes and minor enhancements done since 8.1.2.8.0 release. This ML also contains forward port of all bugs/ enhancements and bug fixes from lower versions of the Compliance Studio. For information on the 8.1.2.8.0 installation, see OFS Compliance Studio Installation Guide, 8.1.2.8.0.

> **Note:**
>
> For detailed information about any use cases or functionality, see the OFS Compliance Studio Installation Guide, 8.1.2.8.0.

When to Use this Guide

The following illustration demonstrates when this guide should be used.

Figure 1-1 When to Use this Guide



2

Pre-Installation Requirements and How to Apply This Maintenance Level Release?

This chapter describes the pre-installation requirements and how to apply the Maintenance Level (ML) release of OFS Compliance Studio 8.1.2.9.0.

2.1 Pre-Installation Requirements

This section describes the pre-installation requirements.

Ensure that you perform the following:

1. Download the OFS Compliance Studio 8.1.2.9.0 archive file from My Oracle Support by searching for Patch ID **37649413** under the **Patches & Updates** tab.
2. The CS 8.1.2.9.0 patch can be applied on top of either CS 8.1.2.8.0 or CS 8.1.2.8.5.

> **Note:**
>
> If you have applied any intermediate patches on top of CS 8.1.2.8.0, ensure that you apply all patches up to the latest 8.1.2.8.x version.
>
> For information on these patch numbers, see the **Download the Installer Kit** section in the OFS Compliance Studio Installation Guide, 8.1.2.8.0.

2.2 How to Apply This Maintenance Level Release in the Compliance Studio?

This section describes how to apply this ML release in the Compliance Studio.

To install this ML release in the Compliance Studio:

1. Download and copy `37649413_GENERIC.zip` on to your server (in Binary mode) where Compliance Studio is installed.
2. Extract the contents of patch archive file using the following command.

   ```
   unzip -a <Name of the file to be unzipped>
   ```

   For example, `unzip -a 37649413_GENERIC.zip`
3. Provide **0755** permission to all files inside 37649413_GENERIC folder. To provide permission, execute the following.

   ```
   chmod -R 0755 37649413_GENERIC
   ```

> **Note:**
>
> The "-a" option is mandatory to unzip the patch. In case you notice an error message "unzip: not found [No such file or directory]" when the package is not installed, contact your UNIX administrator to resolve this issue.

4. Navigate to the `<PATCH_HOME>/bin` directory.

> **Note:**
>
> <PATCH_HOME> indicates the path where patch contents are extracted.

5. Open the **config.sh** file and configure the following parameters.

> **Note:**
>
> The **COMPLIANCE_STUDIO_INSTALLATION_PATH** parameter is mandatory, and all other parameters are optional.

Table 2-1 Parameters of config.sh file

Parameter	Significance	Value
COMPLIANCE_STUDIO_INSTALLATION_PATH	Indicates the path where the Compliance Studio installer file is extracted.	Provide the path where the new installer is extracted. For example, `/scratch/testuser/OFS_COMPLIANCE_STUDIO`
PGX_INSTALLATION_HOME	Indicates the path where the `pgx-server-<version>`.zip file is extracted.	Provide the path where the PGX server is extracted.
MMG_SPARK_ENABLED	It is used to enable or disable the spark interpreter.	The value is either true or false.
HADOOP_HOME	Indicates the directory path where Hadoop is installed.	Retain the placeholder as it is. For example, ##HADOOP_HOME##
SPARK_MASTER	Indicates master URL for the cluster or environment in which the spark job will run.	Retain the placeholder as it is. For example, ##SPARK_MASTER##
SPARK_DEPLOY_MODE	Indicates the mode how the spark application will be deployed.	Retain the placeholder as it is. For example, ##SPARK_DEPLOY_MODE##
FTPSHARE	This can be any writable folder accessible to the process owner.	By default the value is **$COMPLIANCE_STUDIO_INSTALLATION_PATH/deployed/workspace**. For example, `/scratch/users/ftpshare` **Note**: Ensure that ftpshare folder is created before installation

Table 2-1 (Cont.) Parameters of config.sh file

Parameter	Significance	Value
CS_SAML_SIGN_AUTHN_REQ	It is used to enable authentication through SAML signed request.	Set the value as true or false. By default, the value is set to false.
SAML_PRIVATE_KEY_PATH	Indicates the file path where the private key for signing SAML assertions or request is stored. For generating **.pem** file, see the **Generating Files for SAML Signed Request** section in the OFS Compliance Studio Installation Guide, 8.1.2.8.0.	Enter the file path where private key is stored. For example, `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/sp-privatekey.pem` **Note**: This parameter is applicable only when SAML_SIGN_AUTHN_REQ is set to true.
SAML_SP_X509_CERT_PATH	Indicates the file path where the service provider's X509 certificate is stored. It is used by the service provider to validate the authenticity of the SAML assertions or to encrypt/decrypt information exchanged with the Identity Provider. For generating **.cer** file, see the **Generating Files for SAML Signed Request** section in the OFS Compliance Studio Installation Guide, 8.1.2.8.0.	Enter the file path where service provider's X509 certificate is stored. For example, `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/sp-certificate.cer`
SAML_SIGN_ALGORITHM	Indicates algorithm for signing SAML assertions, request or responses	Set this field as blank
SAML_IDP_URL	Indicates the endpoint on the IDP side where SAML requests are posted. The Service Provider (SP) needs to obtain this information from the Identity Provider (IDP).	For example, `http(s)://idcsxxxx.com/fed/v1/idp/sso`. **Note**: This parameter is applicable only if **AUTH_REALM** is **SAML**.
R_ENABLED	To enable the R-interpreter	By default the value is set to true. **Note**: For configuration, see the **R Interpreter** section in the OFS Compliance Studio Administration and Configuration Guide, 8.1.2.9.0.

6. Set the value for SPARK_HOME parameter in the `<COMPLIANCE_STUDIO_INSTALLATION_PATH/bin/config.sh>` file before proceeding with the next step, only when **MMG_SPARK_ENABLED** parameter is set to **true**.

   For more information, see the **Spark Interpreter** section in the OFS Compliance Studio Administration and Configuration Guide, 8.1.2.9.0.

7. Navigate to the `<PATCH_HOME>/bin` directory.

> **Note:**
>
> <PATCH_HOME> indicates the path where patch contents are extracted.

8. To apply the patch, execute the following.

```
./applyPatch.sh -cs
```

Follow the console logs for execution details. In case of any errors, contact My Oracle Support.

> **Note:**
>
> a. This patch will stop Compliance Studio. It will back up the affected jars, files, or directories and subsequently update the corresponding items.
> b. After the replacement, it will reinstall the Compliance Studio to update the configuration.
> c. After reinstall, the patch will start the Compliance Studio.
> d. Any manual configurations to the files which are available in the Files Packaged in This Patch section has to be reconfigured after applying the patch.
> e. When you reapply the patch, comment out the copy commands in **update_ml4aml.sh** file until where it has been executed since the last patch application.

9. Restart Compliance Studio.
10. On top of CS 8.1.2.9.0, apply the patches listed in the following table in sequential order.

Table 2-2 Patch Details

Patch Version	Patch Number
CS 8.1.2.9.1	37865671
CS 8.1.2.9.2	38066664

2.3 How to Apply This Maintenance Level Release in the PGX Server?

This section describes how to apply this ML release in the PGX Server.

> **Note:**
>
> This section assumes that PGX Server is installed on a separate server. If Compliance Studio and PGX Server are installed on the same server, then skip steps 1 to 3.

To install this ML release in the PGX server:

1. Download and copy `37649413_GENERIC.zip` on to your server (in Binary mode) where Compliance Studio is installed.
2. Extract the contents of patch archive file using the following command.

   ```
   unzip -a <Name of the file to be unzipped>
   ```

   For example, `unzip -a 37649413_GENERIC.zip`
3. Provide **0755** permission to all files inside 37649413_GENERIC folder. To provide permission, execute the following.

   ```
   chmod -R 0755 37649413_GENERIC
   ```

> **Note:**
>
> The "-a" option is mandatory to unzip the patch. In case you notice an error message "unzip: not found [No such file or directory]" when the package is not installed, contact your UNIX administrator to resolve this issue.

4. Navigate to the `<PATCH_HOME>/bin` directory.

> **Note:**
>
> <PATCH_HOME> indicates the path where patch contents are extracted.

5. Open the **config.sh** file and configure the following parameters.

Table 2-3 Parameters of config.sh file

Parameter	Significance	Value
COMPLIANCE_STUDIO_INSTALLATION_PATH	Indicates the path where the Compliance Studio installer file is extracted.	Provide the path where the new installer is extracted. For example, `/scratch/testuser/OFS_COMPLIANCE_STUDIO` **Note: This parameter is optional.**
PGX_INSTALLATION_HOME	Indicates the path where the `pgx-server-<version>.zip` file is extracted.	Provide the path where the PGX server is extracted. **Note: This parameter is mandatory.**

6. Navigate to the `<PATCH_HOME>/bin` directory.

> **Note:**
>
> <PATCH_HOME> indicates the path where patch contents are extracted.

7. To apply the patch, execute the following.

```
./applyPatch.sh -pgx
```

Follow the console logs for execution details. In case of any errors, contact My Oracle Support.

8. Restart PGX server. To restart, execute the following.

```
./pgx-server.sh --restart
```

> **Note:**
>
> The following are the expected behaviour while applying patch in the PGX Server:
>
> - If PGX is not installed, the patch will update the zip file version if the PGX server zip file is present.
> - The patch will update the necessary files and initiate the process if the unzipped PGX server is present.
> - If it is not configured before applying the patch, then PGX Server start up may give an error. Deployer must either configure the PGX Server properly or remove the unzipped PGX Server folder (pgx-server).

Backup of old jars and files is present in the `<PATCH_HOME>/backup` folder.

> **Note:**
>
> This patch will create backups of the affected jars, files, and directories, storing them in a backup folder.

3
Post-Installation Steps

This section describes post-installation steps for Compliance Studio.

3.1 Register New Conda Environment

This section describes about how to register a new conda environment.

To register the conda environment:

1. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/bin` directory.
2. Execute the following command.

```
./compliance-studio.sh -e
```

(OR)

```
./compliance-studio --enroll
```

The Compliance Studio installer has three pre-seeded conda environments as follows:

- **default_8.1.2.9.0**
- **sane_8.1.2.9.0**
- **ml4aml_8.1.2.9.0**

> **Note:**
>
> Users should not delete the pre-seeded conda environment.

3.2 Common for Both Entity Resolution and Graph Use Cases

This section describes post-installation steps that are required for both entity resolution and graph use cases.

3.2.1 Configure OpenSearch

This section describes how to configure the OpenSearch component.

OpenSearch bundled with Compliance Studio is upgraded from **2.3.0** to **2.18.0**.

> **Note:**
>
> OpenSearch is not required in case **MATCHING_MECHANISM** parameter is set to **OT**.

OpenSearch is a distributed search and analytics engine. Compliance Studio leverages the search feature offered by OpenSearch.

> **Note:**
>
> - Ensure that a minimum of 4GB free RAM space is available for OpenSearch. If RAM is low, the shards of the OpenSearch fail, and the correct result is not fetched.
> - You must manually clean the cache if facing a performance issue.
> - **Prerequisites**
>   - Download the analysis-icu and analysis-phonetic plugins. You can download the plugins from the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/opensearch` directory.
>   - The Java version must be 11 and above.

To configure the OpenSearch component:

1. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/opensearch` directory.
2. Untar the OpenSearch by executing the command: `tar -xvzf opensearch-${<version>}.tar.gz`.
3. Install the following plugins:

   ```
   <OPEN_SEARCH_EXTRACTED_PATH>/opensearch/opensearch-<version>/bin/
   opensearch-plugin install file:////<PATH>/analysis-icu-<version>.zip
   <OPEN_SEARCH_EXTRACTED_PATH>/opensearch/opensearch-<version>/bin/
   opensearch-plugin install file:////<PATH>/analysis-phonetic-
   <version>.zip
   ```

   Where PATH specifies location of the plugins.

   > **Note:**
   >
   > - You can also install OpenSearch and the plugins on a different machine other than where the Compliance Studio is installed.
   > - The OpenSearch can be extracted in any directory outside the Compliance Studio path as well.

4. Navigate to the `<OPEN_SEARCH_EXTRACTED_PATH>/opensearch/opensearch- <version>/config` directory.
5. Configure the `opensearch.yml` file with the following variables.

Table 3-1 opensearch.yml File

Interaction Variable Name	Significance
cluster.name	Indicates the name of the cluster.

Table 3-1 (Cont.) opensearch.yml File

Interaction Variable Name	Significance
node.name	Indicates the name given for the node.
path.data	Indicates the directory where you want to store the data.
path.logs	Indicates the directory where you want to store the logs.
network.host	Indicates the hostname of the machine where you want to install the OpenSearch service.
http.port	Indicates the port number where the OpenSearch service is installed.
discovery.seed_hosts	(Optional) Indicates the hostnames of the nodes of the cluster.
cluster.initial_cluster_manager_nodes	(Optional) Indicates the number given to the nodes of the cluster.

6. Configure the `jvm.options` file as follows.

Table 3-2 Configure jvm.options File

Interaction Variable Name	Significance
• -Xms4g • -Xmx4g	• Set the value for these parameters. • The maximum value set can be up to 50% of the RAM size of the machine. • Recommended value: Less than 32GB. **Note**: • -Xms4g represents 4GB. • The value for -Xms and -Xmx should be same.

7. After configuration changes, navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/opensearch/opensearch-<version>/bin` directory.
8. To start OpenSearch, execute the following command.
   ```
   nohup ./opensearch &
   ```
9. To check the OpenSearch logs, execute the following command.
   ```
   tail -f nohup.out
   ```

Enable SSL Configuration and Authentication

To enable SSL and Authentication for OpenSearch, configuration is required at both OpenSearch and Compliance Studio.

OpenSearch Configuration

To configure OpenSearch, Download the opensearch-security plugin zip file. For information about how to configure OpenSearch, see the OpenSearch.

Compliance Studio Configuration

To configure Compliance Studio:

1. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/bin` directory.
2. Change the following property in the `config.sh` file.
   ```
   OPEN_SEARCH_USERNAME=admin
   ```
3. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/ficdb/bin` directory and encrypt the password (`./FCCM_Studio_Base64Encoder.sh --admin`) using FCCMBASEENCODER64.

4. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/opensearch/opensearch-<version>/config` directory.
5. To generate the `admin.p12` file, execute the following command.

   ```
   openssl pkcs12 -export -out admin.p12 -inkey <path to/admin-key.pem> -in
   <path to/admin.pem>
   ```

6. To generate the `ca.crt` file, execute the following command.

   ```
   openssl x509 -outform der -in <path to/admin.pem> -out ca.crt
   ```

7. Copy the `admin.p12` file and place in the following directories.
   `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/load-to-open-search/conf`

   `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/matching-service/conf`
8. Copy the `ca.crt` file and place in the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/logstash/config` directory.
9. Configure the following parameters under **OpenSearch Cluster details** in the `config.sh` file.
   OPEN_SEARCH_ENCRYPTED_PASSWORD='##ENCRYPTED_PASSWORD##'

   OPEN_SEARCH_HTTPS_ENABLED=true

   OPEN_SEARCH_TRUSTSTORE_FILE_NAME=admin.p12

   OPEN_SEARCH_TRUSTSTORE_PASSWORD=password

   > **Note:**
   >
   > To generate an encrypted password, see the **Generate an Encrypted Password for OpenSearch** section in the OFS Compliance Studio Installation Guide, 8.1.2.8.0.

10. Install the Compliance Studio.

Cleanup for OpenSearch Indexes

To clean up the OpenSearch indexes, run the following command.

```
curl -XDELETE http://<FULLY QUALIFIED HOSTNAME OF STUDIO SERVER>:<PORT of
Load To Open Search Service>/load-to-open-search/idx/deleteIndex/<INDEX NAME>
```

For example,

```
curl -XDELETE http://testserver:7053/load-to-open-search/idx/
deleteIndex/test_index
```

> **Note:**
>
> This command will work only if Compliance Studio is installed and all services are running.

OpenSearch Migration

If the ER or Graph pipeline is executed in CS 8.1.2.8.0, data must be migrated from an older version to a newer version of the Compliance Studio.

To migrate the OpenSearch data:

1. Navigate to the `<OPENSEARCH_2_3_0_INSTALL_PATH>/config` directory.
2. Open the **opensearch.yml** file.
3. Copy the path given in the **path.data**.
4. Navigate to the **path.data** folder in the server and copy the folder.
5. Navigate to the new opensearch installed path and paste this folder.

3.3 Entity Resolution Use Case

This section describes the post-installation steps for Entity Resolution use case.

To perform post-installation activity for Entity Resolution:

1. Navigate to the `<PATCH_HOME>/files/SQLScripts` directory.

> **Note:**
>
> <PATCH_HOME> indicates the path where patch contents are extracted.

2. Execute the SQL script `ER_DROP_MVIEW_OT.sql` in the ER/FSDF schema.

> **Note:**
>
> The above SQL script should be executed only when the following conditions are met:
>
> a. The base installation is done using MATCHING_MECHANISM as OT.
> b. Entity Resolution jobs are already executed using CSA_8128 pipeline before patch application.
> c. User will continue to execute Entity Resolution jobs under same matching mechanism (i.e. OT) using CSA_8128 pipeline.
> d. If migration is performed by changing the MATCHING_MECHANISM, a cleanup is necessary before executing the ER Batch.

3. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/deployed/candidate-selection/utility/bin` directory.
4. Before triggering the next ER batch, execute `CreateMViewAndIndex.sh` script.

Upload Data Model

Entity Resolution requires a set of pre-staging tables to be available in the OFSAA staging area and the pre-configured FSDF staging model.

The table definitions are available in terms of a data model file which can be uploaded to OFSAA with the help of AAI's Data model management.

> **Note:**
>
> The **ER_81290.ODM** file is applicable only for Behavior Detection 8.1.2.9.0 version and CSA_8129 pipeline.

To upload the data model:

1. Copy **ER_81290.ODM** from `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/entity-resolution/datamodels` to `<AAI Application Server>/<FSDF_STG_INFODOM>/erwin/erwinXML`.
2. Model Upload Using **JSON/Erwin XML**.
3. Select Upload Mode as **Sliced**.
4. Select **Object Registration Mode** as **Incremental Object Registration**.
5. Select **Upload File Type**as **JSON**.
6. Select the **erwin XML** or **Database XML**or **ODM**file for upload from the drop-down list. Other options can be set to default and proceed to Upload.
   For more information on uploading the Data Model, see the **Upload Business Model** section in the OFS Analytical Applications Infrastructure User Guide.

> **Note:**
>
> If ER jobs are run in CS 8.1.2.8.0 with the CSA_8128 pipeline, then users should continue with the same pipeline after upgrading to CS 8.1.2.9.0. If there is a need to upgrade the ER/FSDF schema, users should clean up all ER runs with the CSA_8128 pipeline and use the CSA_8129 pipeline for ER runs.
> If CSA_8128 pipeline needs to be used with upgraded ER/FSDF schema then contact My Oracle Support.

3.4 Graph Use Case

This section describes the post-installation steps for Graph use case.

To perform post-installation activity for Graph:

1. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/deployed/ficdb/graphmetadata/bin` directory.
2. To initialize the OOB graph (FINANCIAL_CRIME_GLOBAL_GRAPH) schema, execute the following.

   ```
   ./InitializeECMSchema.sh -w <ecm_schema_wallet_alias>
   ```

3. To initialize the graph schema, execute the following.

   ```
   ./InitializeGraphSchema.sh -gw <graph_wallet_alias> -es <ecm_schema_name>
   ```

Auto Scheduling of Transactional Tasks in the Graph Batch

This section explains how to set up batch deltas to run for a specified period of time relative to the system date.

If you are initializing "FINANCIAL_CRIME_GLOBAL_GRAPH" schedule with matching component enabled, then execute the following command.

```
./InitializeOOBGraphBatchScheduleECM.sh -ew <datasource name of the ECM
atomic schema> -sdg <Start-day-gap> -edg <End-day-gap> -gd <graph_datasource>
-u <complianceStudioUserName>
```

The sample script for Weekly, Monthly, Yearly and, Periodically is given in the following table.

Table 3-3 Schedule Transactional Task

Batch Schedule	Sample Script
Weekly (7 Days)	`./InitializeOOBGraphBatchScheduleECM.sh -ew <datasource name of the ECM atomic schema> -sdg 7 - edg 0 -gd <graph_datasource> -u <complianceStudioUserName>` For example, SYSDATE/ Current Date is 20/12/24 and you need to load one week data then use the following logic. Start Day Gap: 2024_12_20 - 7 = 2024_12_13 End Day Gap: 2024_12_20 - 0 = 2024_12_20 The transaction data from 2024_12_13 (12:00:00 AM) to 2024_12_19 (11:59:59 PM) will be considered for processing. As 2024_12_20 is the current date, complete data for the same date is not yet available in the Banking Domain for processing.
Monthly (30 Days)	`./InitializeOOBGraphBatchScheduleECM.sh -ew <datasource name of the ECM atomic schema> -sdg 30 - edg 0 -gd <graph_datasource> -u <complianceStudioUserName>`
Yearly (365 Days)	`./InitializeOOBGraphBatchScheduleECM.sh -ew <datasource name of the ECM atomic schema> -sdg 365 - edg 0 -gd <graph_datasource> -u <complianceStudioUserName>`
Periodically	`./InitializeOOBGraphBatchScheduleECM.sh -ew <datasource name of the ECM atomic schema> -sdg 21 -edg 1 -gd <graph_datasource> -u <complianceStudioUserName>` For example, Suppose today's date is 2024_12_20 and users want to load data from 2024_11_29 to 2024_12_18 (both dates are inclusive). You are running a batch on 2024_12_20, therefore end-day-gap should be given as edg=1 and start-day-gap should be given as -sdg=21 where number of days between two dates is 22.

If you are initializing "FINANCIAL_CRIME_GLOBAL_GRAPH" schedule with matching component disabled, then execute the following command.

```
./InitializeOOBGraphBatchScheduleECM.sh -ew <datasource name of the ECM
atomic schema> -gd <graph_datasource> -sdg <Start-day-gap> -edg <Enddaygap> -
u <complianceStudioUserName> -sm
```

3.5 Interpreters

This section describes the post-installation steps for Interpreters.

Spark and Pyspark Interpreters

After upgrade, you can download supported version for spark and pyspark interpreters.

> **Note:**
>
> The supported version for spark and pyspark interpreters is 3.0.3 and above.

Remove FCC Interpreters

The following fcc interpreters are deprecated in the CS 8.1.2.9.0:

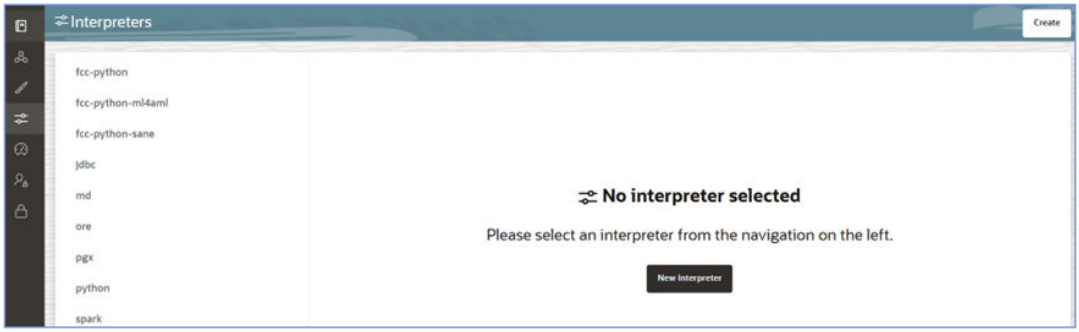
- **fcc-python**
- **fcc-python-ml4aml**
- **fcc-python-sane**

> **Note:**
>
> Users with custom notebooks created using these FCC interpreters should migrate to the corresponding eligible Python interpreter to ensure continued functionality.

To remove fcc interpreters manually in the Compliance Studio UI:

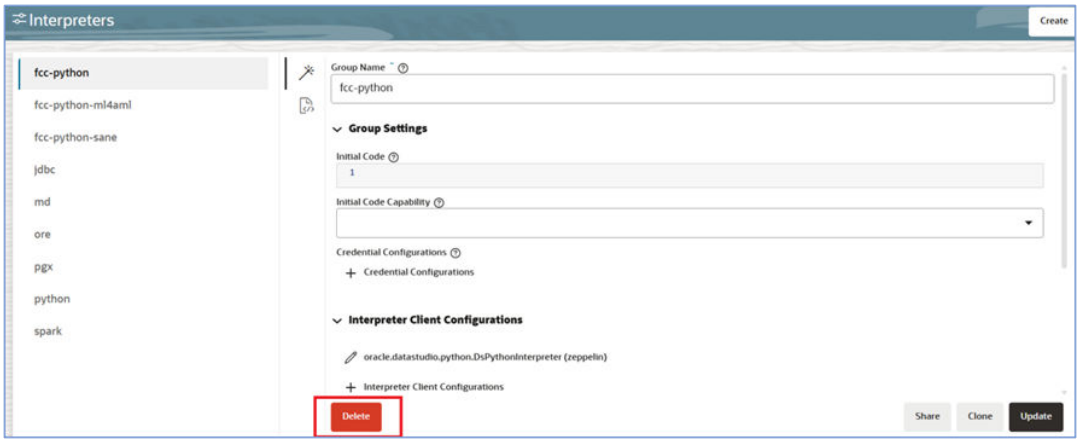
1. Log in to the Compliance Studio.
2. Click **User Profile** and select **Data Studio Options** and then select **Interpreters**. The Interpreters page is displayed.

Figure 3-1 Interpreters



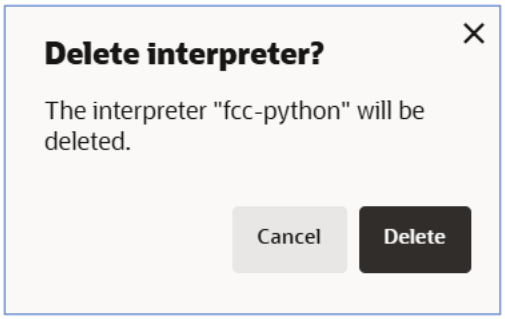
3. On the LHS pane, click **fcc-python** interpreter.

Figure 3-2 fcc-python interpreter



4. On the RHS pane, click **Delete**. The Confirmation dialog box is displayed.

Figure 3-3 Confirmation Dialog box



5. Click **Delete**. The fcc-python interpreter will be deleted from the Compliance Studio UI.

> **Note:**
>
> Similarly, perform same actions for **fcc-python-ml4aml** and **fcc-python-sane** interpreters.

3.6 ML4AML Use Case

This section describes the post-installation steps for ML4AML use case.

To upgrade the model:

1. Execute the following scripts.
   - `importWorkspaceSQL.sh`
   - `importNotebooksSM.sh`
   - `importNotebooksASC.sh`
   - `importNotebooksAIF.sh`
   - `importNotebooksAMLES.sh`

> **Note:**
>
> – Import the notebook based on your preferences.
>
> – To import a workspace and notebook, see the **Importing Workspace Metadata** section in the OFS Compliance Studio Administration and Configuration Guide.

2. For new model development, users need to start with the Admin notebook CS 8.1.2.9.0 and then proceed with the model training and scoring process.
   To create a model, train, and score, see the OFS Compliance Studio Use Case Guide.
3. To execute older notebooks, the user needs to select the previous version of the Conda environment (CS 8.1.2.8.0) and run the batches.
   For Model Scoring/Annual Model Validation, see the **How to Execute Model Scoring/ Annual Model Validation with the Batch Framework** section in the OFS Compliance Studio Administration and Configuration Guide.

   For Monthly Model Validation, see the **How to Execute Monthly Model Validation with the Batch Framework** section in the OFS Compliance Studio Administration and Configuration Guide.

Scenario Conversion Utility (SCU)

To execute SCU:

1. Execute the following scripts.
   - `importWorkspaceSQLSCU.sh`
   - `importNotebooksSCU.sh`
2. Refresh the Materialized view.
3. Generate Scenario and Threshold notebook.
   For more information, see the **Using Scenario Conversion Utility for ASC** section in the OFS Compliance Studio Administration and Configuration Guide.

Automated Scenario Calibration (ASC)

To upgrade the ASC model:

1. Run the Scenario Conversion Utility.
2. Create a threshold sets using bulk upload. For more information, see **How to Upload Thresholds in Bulk for ASC** section in the OFS Compliance Studio Use Case Guide.
3. Create new ASC Definition. For more information, see the **Automated Scenario Calibration (ASC)** section in the OFS Compliance Studio Use Case Guide.

> **Note:**
>
> This patch will create backups of the affected jars, files, and directories, storing them in a backup folder.

3.7 Sanctions

This section describes the post-installation steps for Sanctions application.

To update the default python environment:

1. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/deployed/mmg-home/bin` directory.
2. Execute the `./python-env-install.sh` script.
3. To verify the python installation, execute the `./python-env-health-check.sh` script.

> **Note:**
>
> This patch will create backups of the affected jars, files, and directories, storing them in a backup folder.

4
Frequently Asked Questions (FAQs)

You can refer to the Frequently Asked Questions, which are developed with interest to help you resolve some of the Compliance Studio Installation and Configuration issues.

- What should I do when I get the error message "**Workspace attach after session re-initialization failed. Error: Conda activate failed, conda not installed**"?

  Cause: The Update Notebook Type was set to **Jupyter** instead of **Default** which is required for the Customer Scenario notebooks to function correctly.

  Resolution: You can resolve this issue in two ways: via the **UI** or the **Filesystem**.

  To resolve this issue via the **UI**:

  1. Open the **Notebook**.
  2. Click **Update Notebook Type** and select **Default** as the type.

  To resolve this issue via the **Filesystem**:

  1. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/deployed/mmg-home/mmg-studio/conf` directory.
  2. Create a new file and name it **notebook-types-1.yml**.
  3. Open the **notebook-types-1.yml** file and insert the following content.

     ```
     version: 2
     types:
       Jupyter: # name of the type
         layouts: # layouts this type supports (subset of zeppelin, jupyter)
           - zeppelin
           - jupyter
         default-layout: zeppelin # the default layout to be chosen
         capability-mapping: # leave it empty if no capability mapping is
     available, all interpreters will be allowed.
           - python: python # allows python-interpreter
           - md: md # allows md-interpreter
           - python.conda: python.conda # allows conda-interpreter
         default-capability: python # all paragraphs will run python if no
     %interpreter is found
         default-template: none
     ```

  4. Open the **application.yml** file and update the following changes.

     ```
     studio-server:
     notebook-type-config-path: classpath:/notebook-types-1.yml
     ```

  5. Restart Compliance Studio.

Note:

For other issues and their resolutions, see **Frequently Asked Questions (FAQs) and Error Dictionary** section in the OFS Compliance Studio Installation Guide, 8.1.2.8.0.

A
Files Packaged in This Patch

This chapter describes the files modified and files impacting database objects due to this Patch in the Compliance Studio. It also provides additional information that supports the installation activity.

> **Note:**
>
> <PATCH_HOME> indicates the path where patch contents are extracted.

List of Database Objects Modified

Kindly take backup of these existing objects for future rollback.

New Database Objects Added

Functions: FN_Upload_Bulk_Threshold, FN_IS_VALID_VALUE

Tables: SM_EVENT_SCORE_DETAILS_NON_ALERTED, BULK_TSHLD_UPLOAD

Procedures: P_AIF_CUSTOM_MERGE_SCRIPT, p_aif_gather_stats

Existing Schema Objects Modified (Workspace Schema)

Packages

```
PKG_ASC
PKG_SCENARIO_MODEL
PKG_FCC_BD_NB
PKG_SCU_SUPPLIMENT_INFO,
PKG_AIF_UTILITY, PKG_SES
PKG_AIF
PKG_AIF_UNSUP
```

Tables

```
ASC_DEFINITION_MASTER
ASC_SCENARIO_EXECUTION_STATUS
ML4AML_SM_BASE_FEATURES
ML4AML_SM_RED_FLG_FEAT
ML4AML_SM_SCNRO_FEAT_MAP
AIF_ENTITY_GROUP
FCC_AM_EVENTS
FCC_AM_EVENT_BINDING
FCC_AM_EVENT_DETAILS
FCC_AM_EVENT_ENTITY_MAP
ML4AML_SES_EVENT_INPUT
AIF_QUERY_PROPERTY_GTT
```

Synonyms

```
DS_NOTEBOOK
DS_PARAGRAPH
SEQ_PARAGRAPH
```

Sequences

```
FCC_TEMP_TABLE_SEQ
FCC_SEQUENCES_RUN_ID
FCC_SEQUENCES_EVENT_CD
SEQ_EXEC_RUN_SKEY
```

View

```
VW_REVIEW
VW_REVIEW_SCNRO
```

Materialized View

```
VW_SCNRO_BIND_MD
VW_SCNRO_CHKPT_BIND_MD
VW_SCNRO_CHKPT_MD
VW_SCNRO_CONSTRAINT_MD
VW_SCNRO_DATASET_JOB_MD
VW_SCNRO_HIGHLIGHT_MD
```

Functions

```
FUNC_RETURN_PRCSNG_BATCH
FUNC_RETURN_CAL
```

INDEX

```
AIF_ENTITY_GROUP_UNIQUE_IDX
```

Database Objects Deleted

NA

List of Files Which are Included in This Patch

```
##PATCH_HOME##/bin/applyPatch.sh
##PATCH_HOME##/bin/config.sh
##PATCH_HOME##/minicondaFiles/OFS_COMPLIANCE_STUDIO_8.1.2.9.0_LINUX_2of2.zip
##PATCH_HOME##/readme.txt
##PATCH_HOME##/scripts/helper.sh
##PATCH_HOME##/scripts/replaceFiles.sh
##PATCH_HOME##/scripts/replacePGX.sh
##PATCH_HOME##/scripts/replaceMl4aml.sh
##PATCH_HOME##/scripts/replaceSanctions.sh
##PATCH_HOME##/ml4aml/bin/*
```

```
##PATCH_HOME##/ml4aml/lib/*
##PATCH_HOME##/ml4aml/model/*
##PATCH_HOME##/ml4aml/notebooks/*
##PATCH_HOME##/ml4aml/python/*
##PATCH_HOME##/ficdb/scenario-conversion-utility/bin/*
##PATCH_HOME##/ficdb/scenario-conversion-utility/DynamicDatasets/
dataset9999999.txt
##PATCH_HOME##/ficdb/scenario-conversion-utility/model/*
##PATCH_HOME##/ficdb/scenario-conversion-utility/notebooks/*
##PATCH_HOME##/pipfiles/*
##PATCH_HOME##/files/bin/replace.sh
##PATCH_HOME##/files/bin/install.sh
##PATCH_HOME##/files/bin/compliance-studio.sh
##PATCH_HOME##/files/bin/additional_config.sh
##PATCH_HOME##/files/batchservice/bin/batchservice
##PATCH_HOME##/files/batchservice/bin/batchservice.bat
##PATCH_HOME##/files/batchservice/lib/*
##PATCH_HOME##/files/metaservice/bin/metaservice
##PATCH_HOME##/files/metaservice/bin/metaservice.bat
##PATCH_HOME##/files/metaservice/lib/*
##PATCH_HOME##/files/metaservice/conf/server-config.properties
##PATCH_HOME##/files/candidate-selection/bin/candidate-selection
##PATCH_HOME##/files/candidate-selection/bin/candidate-selection.bat
##PATCH_HOME##/files/candidate-selection/bin/starter.sh
##PATCH_HOME##/files/candidate-selection/bin/stop.sh
##PATCH_HOME##/files/candidate-selection/lib/candidate-selection-
service-8.1.2.9.0-1.jar
##PATCH_HOME##/files/candidate-selection/conf/log4j2.xml
##PATCH_HOME##/files/candidate-selection/utility/lib/*
##PATCH_HOME##/files/entity-resolution/bin/config.sh
##PATCH_HOME##/files/entity-resolution/bin/entity-resolution
##PATCH_HOME##/files/entity-resolution/bin/entity-resolution.bat
##PATCH_HOME##/files/entity-resolution/bin/install.sh
##PATCH_HOME##/files/entity-resolution/bin/starter.sh
##PATCH_HOME##/files/entity-resolution/bin/stop.sh
##PATCH_HOME##/files/entity-resolution/lib/*
##PATCH_HOME##/files/entity-resolution/datamodels/FSDF_8.1.2.9.0/ER_81290.ODM
##PATCH_HOME##/files/fcc-ui/bin/config.sh
##PATCH_HOME##/files/fcc-ui/bin/fcc-ui
##PATCH_HOME##/files/fcc-ui/bin/fcc-ui.bat
##PATCH_HOME##/files/fcc-ui/bin/install.sh
##PATCH_HOME##/files/fcc-ui/bin/starter.sh
##PATCH_HOME##/files/fcc-ui/bin/stop.sh
##PATCH_HOME##/files/fcc-ui/lib/*
##PATCH_HOME##/files/fcc-ui/conf/log4j2.xml
##PATCH_HOME##/files/ficdb/lib/*
##PATCH_HOME##/files/ficdb/seprateSchemaJars/lib/*
##PATCH_HOME##/files/ficdb/Utilities/LiquibaseCleanup/
metaservice_databasechangelog_cleanup.sql
##PATCH_HOME##/files/ficdb/GraphPipeline-Cleanup-Scripts
##PATCH_HOME##/files/ficdb/graph-metadata/SQLScripts/*
##PATCH_HOME##/files/ficdb/graph-metadata/bin/InitializeBDSchema.sh
##PATCH_HOME##/files/ficdb/graph-metadata/bin/InitializeECMSchema.sh
##PATCH_HOME##/files/ficdb/graph-metadata/bin/InitializeGraphSchema.sh
##PATCH_HOME##/files/ficdb/graph-metadata/bin/
InitializeOOBGraphBatchScheduleBD.sh
```

```
##PATCH_HOME##/files/ficdb/graph-metadata/bin/
InitializeOOBGraphBatchScheduleECM.sh
##PATCH_HOME##/files/ficdb/graph-metadata/model/ecm-atomic.xml
##PATCH_HOME##/files/ficdb/graph-metadata/model/ecm-atomic-8.1.2.9.0.xml
##PATCH_HOME##/files/ficdb/graph-metadata/model/graph.xml
##PATCH_HOME##/files/ficdb/graph-metadata/model/graph-8.1.2.9.0.xml
##PATCH_HOME##/files/ficdb/graph-metadata/model/schedule-ecm.xml
##PATCH_HOME##/files/ficdb/graph-metadata/model/schedule-ecm-8.1.2.9.0.xml
##PATCH_HOME##/files/load-to-es/bin/load-to-open-search
##PATCH_HOME##/files/load-to-es/bin/load-to-open-search.bat
##PATCH_HOME##/files/load-to-es/lib/*
##PATCH_HOME##/files/load-to-open-search/bin/load-to-open-search
##PATCH_HOME##/files/load-to-open-search/bin/load-to-open-search.bat
##PATCH_HOME##/files/load-to-open-search/lib/*
##PATCH_HOME##/files/matching-service/bin/matching-service
##PATCH_HOME##/files/matching-service/bin/matching-service.bat
##PATCH_HOME##/files/matching-service/lib/*
##PATCH_HOME##/files/matching-service-es/bin/matching-service
##PATCH_HOME##/files/matching-service-es/bin/matching-service.bat
##PATCH_HOME##/files/matching-service-es/lib/*
##PATCH_HOME##/files/matching-service-ot/bin/matching-service
##PATCH_HOME##/files/matching-service-ot/bin/matching-service.bat
##PATCH_HOME##/files/matching-service-ot/lib/*
##PATCH_HOME##/files/opensearch/analysis-icu-2.18.0.zip
##PATCH_HOME##/files/opensearch/analysis-phonetic-2.18.0.zip
##PATCH_HOME##/files/opensearch/opensearch-2.18.0.tar.gz
##PATCH_HOME##/files/SQLScripts/ER_DROP_MVIEW_OT.sql
##PATCH_HOME##/files/mmg-home/bin/config.sh
##PATCH_HOME##/files/mmg-home/bin/install.sh
##PATCH_HOME##/files/mmg-home/bin/shutdown.sh
##PATCH_HOME##/files/mmg-home/bin/startup.sh
##PATCH_HOME##/files/mmg-home/bin/initialize-install.sh
##PATCH_HOME##/files/mmg-home/bin/pre-install-check.sh
##PATCH_HOME##/files/mmg-home/bin/install-helper/lib/mmg-configuration-
manager-1.0.0.jar
##PATCH_HOME##/files/mmg-home/bin/install-helper/template/*
##PATCH_HOME##/files/mmg-home/mmg-ui/lib/mmg-ui.war
##PATCH_HOME##/files/mmg-home/mmg-ui/bin/install.sh
##PATCH_HOME##/files/mmg-home/mmg-ui/bin/config.sh
##PATCH_HOME##/files/mmg-home/mmg-ui/conf/application.properties.sh
##PATCH_HOME##/files/mmg-home/mmg-service/lib/mmg-service.war
##PATCH_HOME##/files/mmg-home/mmg-service/bin/install.sh
##PATCH_HOME##/files/mmg-home/mmg-service/bin/config.sh
##PATCH_HOME##/files/mmg-home/mmg-service/bin/startup.sh
##PATCH_HOME##/files/mmg-home/mmg-service/conf/application.properties
##PATCH_HOME##/files/mmg-home/mmg-service/python-lib/ds_interpreter_client-
*.whl
##PATCH_HOME##/files/mmg-home/mmg-service/python-lib/mmg-8.1.2.7.0.tar.gz
##PATCH_HOME##/files/mmg-home/mmg-service/python-lib/oracle-pypgx-
client-23.4.9.zip
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/bin/config.sh
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/bin/graph-
service
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/bin/graph-
service.bat
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/bin/install.sh
```

```
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/bin/start-
script.sh
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/bin/stop-
script.sh
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/model/
datamodel/GraphService.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/model/
datamodel/GraphService_81280_4.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/model/
datamodel/GraphService_81290.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/model/
datamodel/GraphService_81290_1.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/model/
datamodel/GraphService_81290_2.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/model/
datamodel/GraphService_81290_3.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/Audit_Schema_8128.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/Audit_Schema_8128-1.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/ExtSrvc_Schema_8128.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/IH_Archival_8129-2.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/IH_Data_Schema_8128.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/IH_Data_Schema_8128-1.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/IH_Data_Schema_8128-2.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/IH_Data_Schema_8128-3.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/IH_Data_Schema_8129-2.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/IH_Data_Schema_8129-3.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/Process_Log_8129.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/Runtime_Audit_schema.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/Runtime_Graph_schema.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/Runtime_IH_Archival.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/model/Runtime_IH_Data_Schema.xml
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/conf/
runtimeLiquibase/SQLScripts/*
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/lib/graph-
service-8.1.2.9.0-6.jar
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/lib/mmg-schema-creator.war
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/bin/install.sh
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/bin/config.sh
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/scripts/changelog-master.xml
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/scripts/811/*
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/scripts/8125/*
```

```
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/scripts/8127/*
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/scripts/81211/*
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/scripts/81271/*
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/scripts/81272/*
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/scripts/81273/*
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/scripts/8125/APP/SANCTIONS/
AAI_NB_COMPONENT_REGISTRATION.sql
##PATCH_HOME##/files/mmg-home/mmg-gateway/lib/mmg-gateway.war
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/data-pipeline-
service-10.0.1.1.0/lib/data-pipeline-service-10.0.1.1.0.war
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/data-pipeline-service-
UI-10.0.1.1.0/lib/data-pipeline-service-ui-10.0.1.1.0.war
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/data-pipeline-service-
UI-10.0.1.1.0/conf/*
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/pipeline-
service-10.0.1.1.0/lib/pipeline-service-10.0.1.1.0.war
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/pipeline-
service-10.0.1.1.0/pipelines/data-pipelines/*
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/pipeline-service-
UI-10.0.1.1.0/lib/pipeline-service-ui-10.0.1.1.0.war
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/pipeline-service-
UI-10.0.1.1.0/conf/*
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/data-metadata-
job-10.0.1.1.0/lib/data-metadata-job-10.0.1.1.0.jar
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/pipelinegateway/lib/
pipeline-gateway-*.jar
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/installation/
set_parameter.sh
##PATCH_HOME##/files/mmg-home/mmg-pipeline/pipeline/pipelineDataModel/
liquibase/lib/*
##PATCH_HOME##/files/mmg-home/mmg-studio/lib/*
##PATCH_HOME##/files/mmg-home/mmg-studio/bin/*
##PATCH_HOME##/files/mmg-home/mmg-studio/conf/*
##PATCH_HOME##/files/workspace/mmg/seeded/workspace-templates/
CSWorkspaceTemplate.zip
##PATCH_HOME##/files/workspace/mmg/seeded/models/
CSNOPRODSIMULATION_1701856523642_0.zip
##PATCH_HOME##/files/workspace/mmg/seeded/models/
CSSIMULATION_1697220226831_0.zip
##PATCH_HOME##/files/workspace/mmg/seeded/data-population-templates/
CSNoProdDataTemplate.zip
##PATCH_HOME##/files/workspace/mmg/seeded/data-population-templates/
CSJurisdictionFilterTemplate.zip
##PATCH_HOME##/files/batchservice/conf/server-config.properties
##PATCH_HOME##/files/matching-service/conf/application.properties
##PATCH_HOME##/files/matching-service-es/conf/application.properties
##PATCH_HOME##/files/matching-service-ot/conf/application.properties
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/utility/bin/
InitializeIhArchival.sh
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/utility/bin/
SetConnectionPoolConfigForDatasource.sh
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/utility/bin/
SyncCaseMergeRules.sh
##PATCH_HOME##/files/mmg-home/mmg-load-to-graph/graph-service/utility/fonts/*
##PATCH_HOME##/files/mmg-home/mmg-schema-creator/scripts/81274/*
```

List of Files to Edit

```
##PATCH_HOME##/bin/config.sh
```