Oracle Financial Services Analytical Applications Infrastructure

PR2 to RRF Migration Guide

Release 7.3.2.0.0

DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
Draft	Created: September 2012	Captured 7.3.2.0.0 Rules migration procedure.
1.0	Updated: October 2012	Updated the suggested reviewed changes.
2.0	Updated: June 2014	Changed the name of the document from Rules Migration Utility Guide to PR2 to RRF Migration Guide. Added a note as per the bug 18805048.
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Executive Summary

This document includes the necessary instructions to migrate the existing PR2 Rules/Process/Run definitions to RRF module.

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Getting Started

Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) is a complete end-to-end web-based business intelligence solution that provides tools for data integration, mart building, query and analysis, intelligent alerting, and information delivery.

OFSAAI enables financial institutions to measure and meet risk-adjusted performance objectives, cultivate a risk management culture through transparency, lower the costs of compliance and regulation, and improve insight into customer behavior.

About this Guide

This guide explains the migration functionality to migrate the existing PR2 definitions to the re-designed RRF module in a procedural approach.

Recommended Environment

Infrastructure application has been tested with Microsoft Internet Explorer™ browser. For best viewing of Infrastructure pages, set the screen resolution to a minimum resolution of 1024 x 768 pixels.

Conventions and Acronyms

Conventions	Description
Actions are indicated in **Bold**	
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
PR2	Process Run Rule (old / existing framework)
RRF	Run Rule Framework (new framework)
.DMP file	Dump file
Infodom	Information Domain
LHS Menu	Left Hand Side Menu
OLAP	Online Analytical Processing
IR	Interim Release
XML	Extensible Markup Language
BP	Business Processor
ICC	Information Command Center

1 Rules migration Utility

The Rules migration utility within OFSAAI facilitates you to migrate the existing PR2 definitions within the system to the redesigned RRF (Run Rule Framework) module released as a part of OFSAAI 7.3.2.0.0. This document has been created in the interest to help you with the migration utility and to migrate rule, process, and run definitions from PR2 to RRF module.

Prerequisites before you begin the migration:

- Ensure that you have successfully installed OFSAAI 7.3.2 Patch on any of 7.3 installations i.e. 7.3 GA / 7.3.1.0.0 / 7.3.1.1.0.
- Your present OFSAAI installation should have at least one Information Domain created in order to migrate definitions from PR2 to RRF module. For detailed instructions on creating Information Domain, refer *System Configuration > Create Information Domain* section in "OFSAAI 7.3 User Manual" available at OTN library.

The document consists of the following sections:

1.1 How to migrate definitions from PR2 > RRF?

To migrate definitions from PR2 > RRF, you need to Archive the PR2 definitions and Restore it into RRF module. The archive & restore procedure is explained in detail with an example.

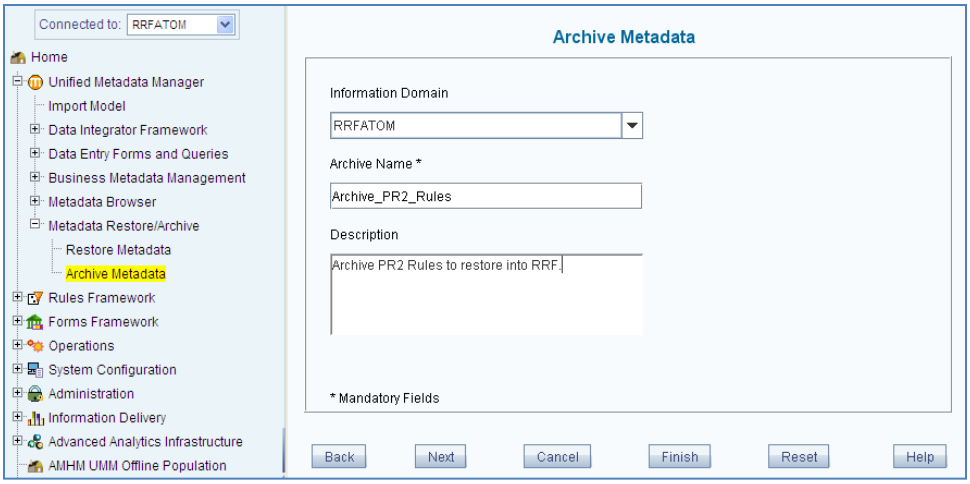
NOTE: A rule definition in RRF cannot have more than 9 source hierarchies. If the PR2 rule that you want to migrate has more than 9 hierarchies, new rule needs to be re-defined with new hierarchies to accommodate the change.

In background, when you archive definition(s) created in PR2 framework, an archive file will be created in .DMP format which stores the definition(s) information in an xml. When you restore this archive file into RRF, the object definitions are migrated into the new RRF structures which are available in the database.

An archived PR2 definition can be restored in both RRF and PR2 modules. However, an RRF definition archived can only be restored into RRF module.

1.1.1 Archive Metadata

You can access the Archive Metadata within the **Metadata Restore/Archive** section of the Infrastructure system. In the left hand side (LHS) menu of Infrastructure home page, click "+" and expand the *Metadata Restore/Archive* section within *Unified Metadata Manager*. Select **Archive Metadata**. The *Archive Metadata* screen is displayed.



In the *Archive Metadata* screen, you can archive the required Metadata by selecting the Information Domain and creating an archive file.

1.1.1.1 Select the Information Domain

To archive metadata, you need to select an Information Domain from which you want to archive the metadata on the *Archive Metadata* screen. By default, the Information Domain selected from the **Connected to** drop down list is displayed in the information Domain field of the *Archive Metadata* screen.

To change the Information Domain, select the Information Domain from the **Information Domain** dropdown list. The page is refreshed to the selected Information Domain.

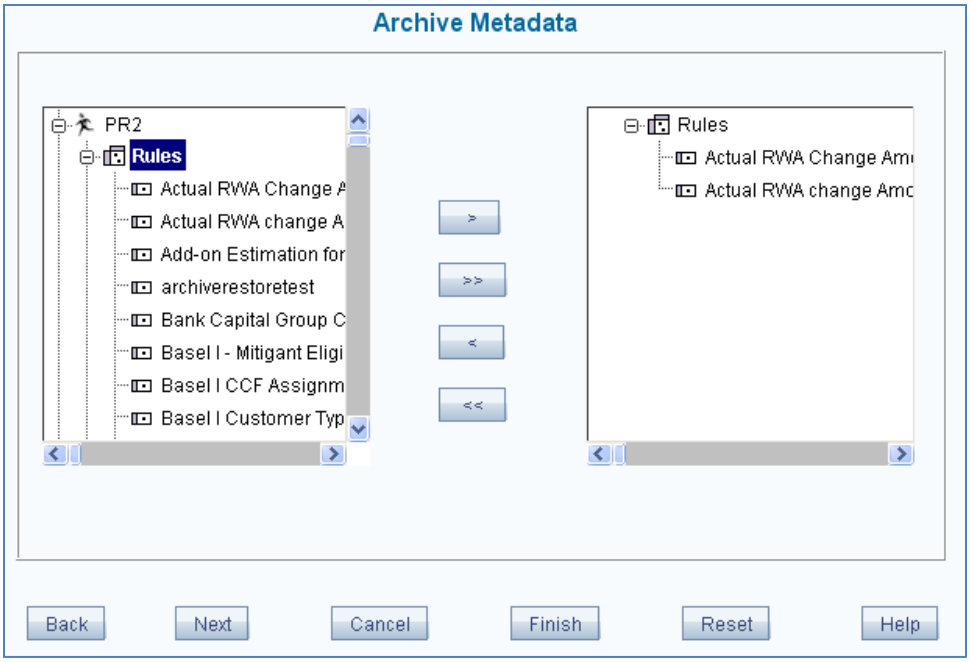
1.1.1.2 Create Archive File

You can create an archive of the metadata by doing the following:

1. Enter the **Archive Name** for the metadata archive operation.

NOTE: There can be more than one instance of archival process running at the same time but the archive name and the Information Domain combination should be different.

2. Enter the required **Description** for the metadata archive operation.
3. Click **Next**. The *Archive Metadata* screen is refreshed and lists the metadata information in the selected Information Domain.



This screen lists only the authorized metadata. Unauthorized metadata cannot be archived. The *Archive Metadata* screen has two panes, the left pane lists the available metadata, and the right pane displays the selected metadata. The available metadata pane lists all the Metadata available in the selected Information Domain in a tree structure. You can click **+** button on each section to view the underlying metadata definitions.

4. Select the required metadata from the left pane and click  . The selected metadata is displayed in the right pane.

NOTE: When you select a parent node and click  , all child nodes are selected and moved to the right pane.

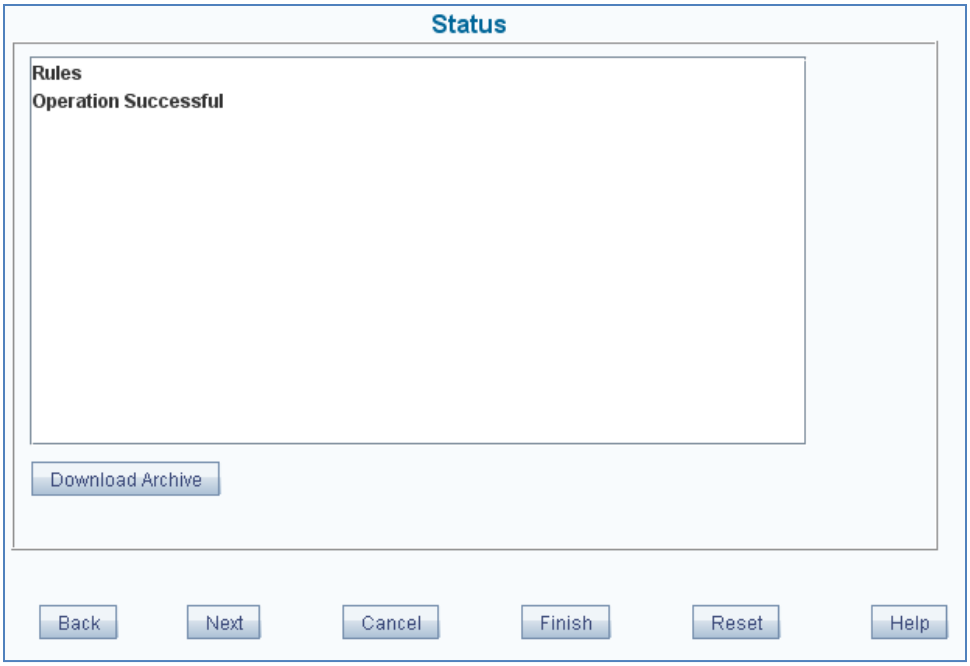
5. Click  to select all the available metadata in the left pane.

   You can also click  to remove a selected metadata from the selected metadata pane or click  to remove all the selected metadata from the selected metadata pane.

NOTE: The dependent metadata does not get automatically selected. You need to ensure that all dependent metadata is also explicitly selected for archival purposes.

6. Click **Finish** and start the metadata archival process.

   Once the execution is completed, a status message is displayed in the *Status* screen. The *Status* screen of the Metadata Archive wizard displays the status of the archival operation of all the metadata that are selected as **Success** or **Failed**. All the archived data is mapped to the selected Segment in the selected Information Domain.



7. Click the **Download Archive** button to download the archived metadata. The *File Download* dialog is displayed.
8. Click **Save**. The *Save As* dialog is displayed. Specify the File Name and the location where you want to save the file. Click **Save**.

   The file is saved with the specified name and with an extension .DMP.

1.1.2 Restore Metadata

You can restore the Metadata which are archived as .DMP files in *Restore Metadata* screen. The *Restore Metadata* screen is available within the **Metadata Restore/Archive** section of the Infrastructure system. In the left hand side (LHS) menu of Infrastructure home page, click "+" and expand the *Metadata Restore/Archive* section within *Unified Metadata Manager*. Select **Restore Metadata**. The *Restore Metadata* screen is displayed.

In the *Restore Metadata* screen, you can select the required Information Domain, Segment, File, and Restore the Metadata.

1.1.2.1 Select the Information Domain

To restore metadata, you need to select an Information Domain to which you want to restore the metadata in the *Restore Metadata* screen. By default, the Information Domain selected from the **Connected to** drop down list is displayed in the Information Domain field in the *Restore Metadata* screen.

To change the Information Domain select from the **Information Domain** dropdown list. The page is refreshed to the selected Information Domain and displays the Segments within it.

1.1.2.2 Select the Segment

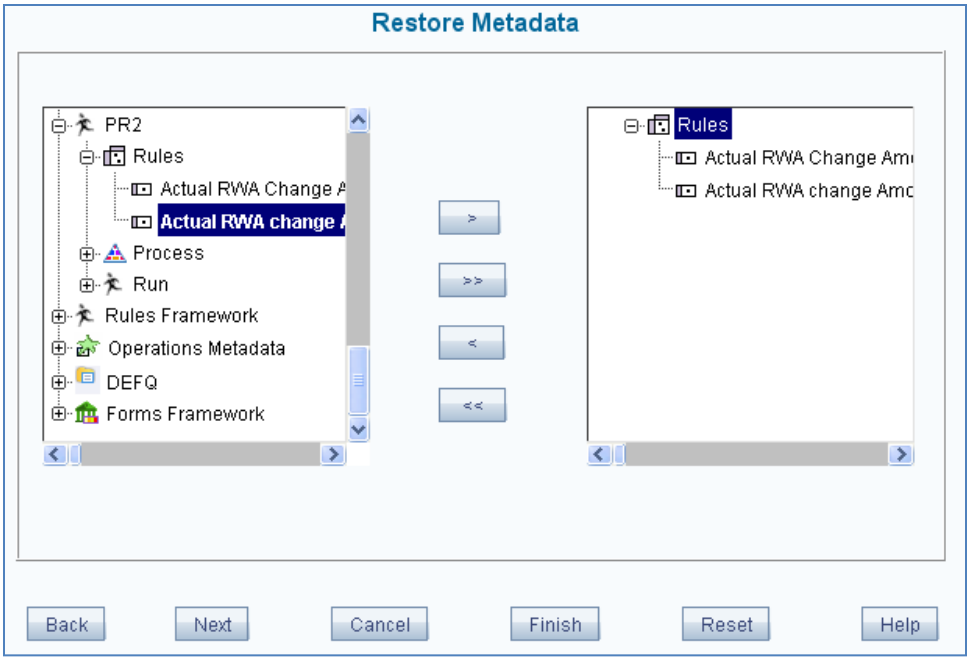
By default, the Segment field displays the first Segment of the selected Information Domain. You can select/change the Segment of the selected Information Domain to which the metadata is to be restored from the Segment drop-down list. To select/change the Segment, select from the **Segment** dropdown list.

1.1.2.3 Select the File

To restore the metadata from a file, the source database/OLAP type and the destination database/OLAP type should be matching for the selected Information Domain and the selected metadata file. You have to select the file to restore from the *Restore Metadata* screen. To select the .DMP file from the *Restore Metadata* screen:

1. Click **Browse** in the *Select File to Restore* field. The *Open* dialog is displayed with the local machine folders from which you can chose the .DMP file to upload.
2. Locate the file in the local machine and click **OK**.

   The path of the selected file on the local machine is displayed in the **Select File to Restore** field.
3. (Optional) From the *Restore Metadata* screen you can also:
   - Select the checkbox adjacent to **Overwrite Existing Metadata**. This allows overwriting the existing metadata that is being selected to restore.
   - Select the checkbox adjacent to **On Error Cancel Restoration** if you want to cancel the restore process in case of an error.
4. Click **Next** to continue the metadata restore process. The screen is refreshed to list the metadata information in the selected Information Domain and Segment.



The *Restore Metadata* screen displays two panes, the left pane lists the available metadata, and the right pane to display the metadata selected from those available in the left pane. The available metadata pane lists all the Metadata available in the file

selected to be restored in a tree structure. You can click **+** button on each section to view the underlying metadata definitions.

NOTE: In case of Rules Framework where both old (*PR2 - Process Run Rule*) and new (*RRF - Run Rule Framework*) exist, the definitions archived from old PR2 should be restored into both old and new Rules Framework and definitions archived from new Rules Framework should be restored into new Rules Framework alone.

5. Select the required metadata from the left pane and click  . The selected metadata is displayed in the right pane.

NOTE: When you select a parent node and click  , all child nodes are selected and moved to the right pane.

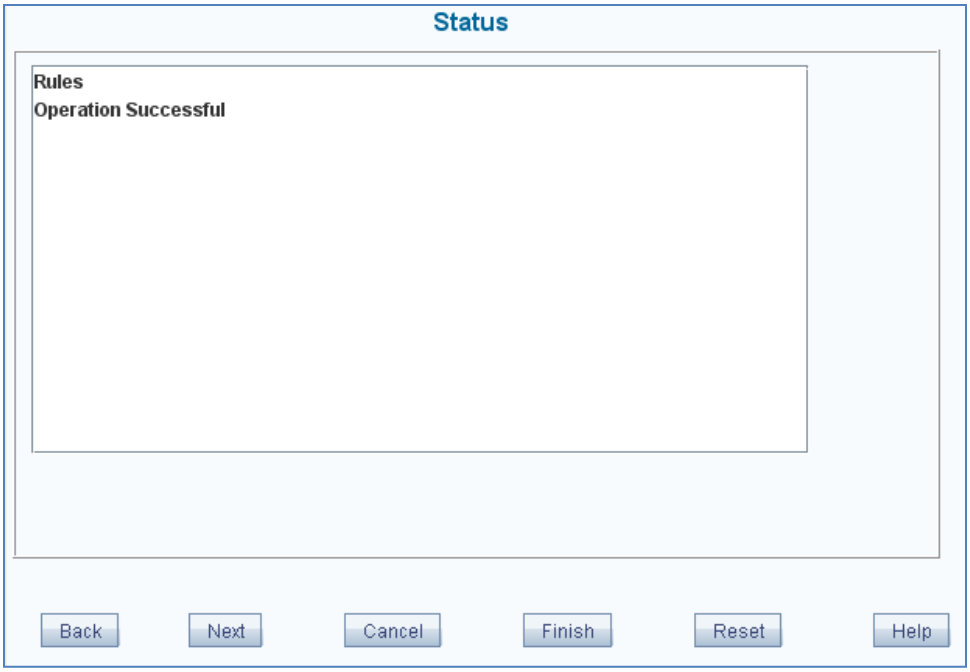
6. Click  to move all the available metadata from the left pane to the selected metadata pane.

   You can also click  to remove a selected metadata from the selected metadata pane or click  to remove all the selected metadata from the selected metadata pane.

NOTE: The dependent metadata does not get automatically selected. The user has to ensure that all dependent metadata is also explicitly selected for restoration purposes.

7. Click **Finish** to start the metadata restoration process.

   Once the execution is finished, a status message is displayed in the *Status* screen. The *Status* screen of the Metadata Restore wizard displays the status of the restoration operation of the metadata file selected as **Success** or **Failed**. All the Restored data is mapped to the selected Segment in the selected Information Domain.



1.2 How do the definitions appear after migration?

Once you have migrated/restored the Rule, Process, Run definitions to the required segment in RRF module, you can access the same to view the details.

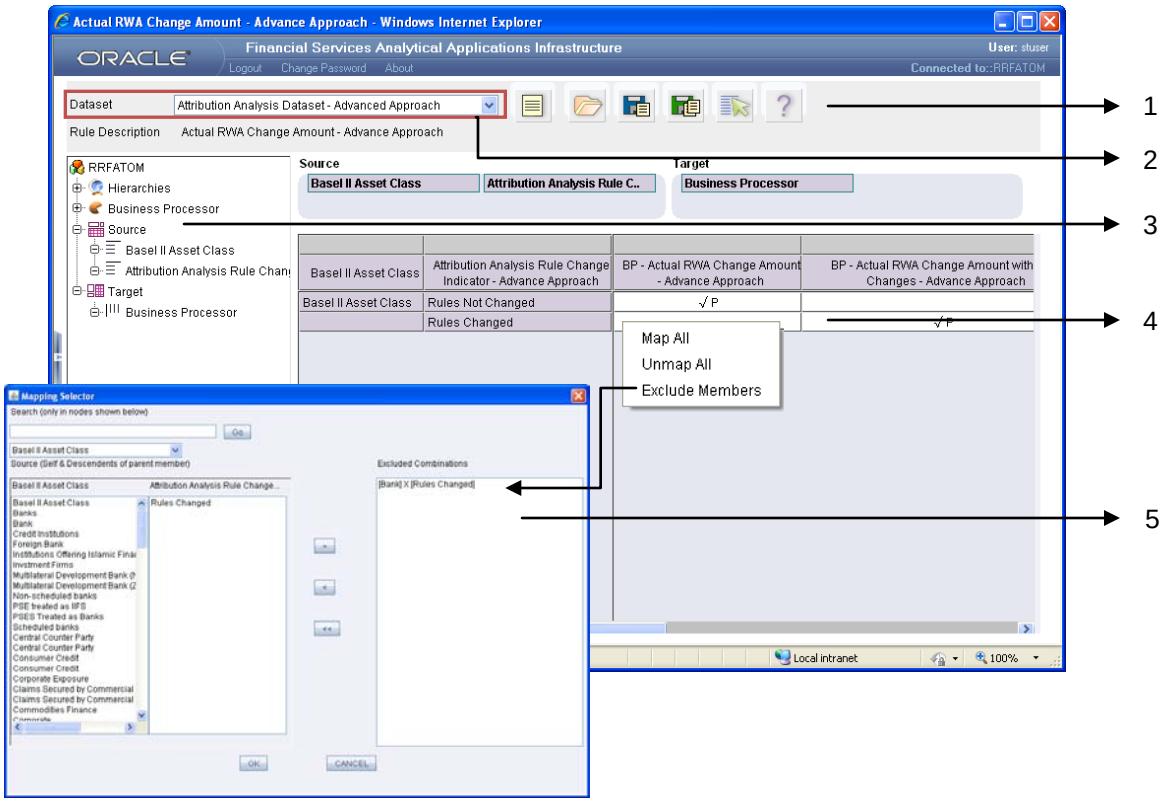
In **RRF** module, click "+" and expand the Rules Framework section in the left hand side (LHS) menu of Infrastructure home page. You can make use of *Search and Filter* grid to search for specific Rule, Process, Run based on Code, Name, Folder, Version, or Active status.

In **PR2** framework, access Process, Run, or Rule, by selecting ***Designer*** link and do the following:

1. Click  button to open an existing Rule, Process, or Run definition. The list of Information Domains mapped are displayed in the *Open* dialog.
2. Select and expand the **Information Domain** to view the list of available Segments mapped. Double-click to select the **Segment** to view the list of associated definitions.
3. Select the definition from the list and click **Open**. For a Process or Run definition, you are prompted to select the **Process Type** or **Run Type**.

1.2.1 Rule definition Post Migration

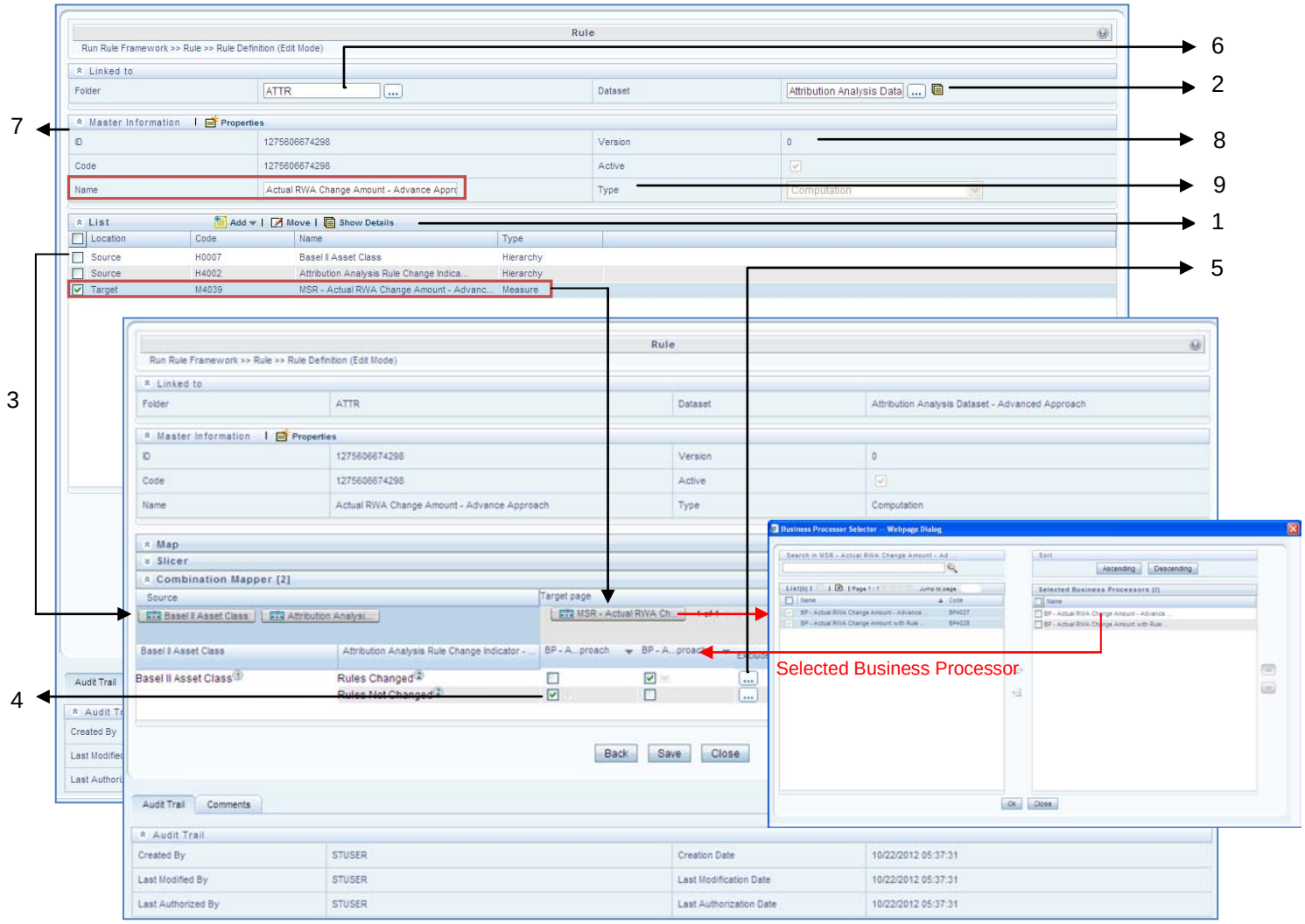
Rule definition defined in PR2 framework



Post migration, you can find the Rule definition details in RRF module as explained below:

1. Options to *View*, *Open*, *Save*, and *Properties* of a Rule definition are available in the in the **List** grid of *RRF Summary* screen. Options to Add / Move the Source and Target are available in the **List** grid of RRF screen.
2. The *Dataset* field to which the definition is mapped is displayed in the **Linked to** grid.
3. The LHS menu consisting of *Source* and *Target* members are displayed in the **List** grid.
4. The Source to Target mappings are displayed in the work area. Whereas in RRF screen, these details are displayed in the *Next* wizard screen.
5. The *Exclude* option in PR2, which is available by right-clicking on the selection can be accessed in RRF module by clicking on ... button adjacent to the selected.

Rule definition (Computation Type) available in RRF > Rule module after migration.



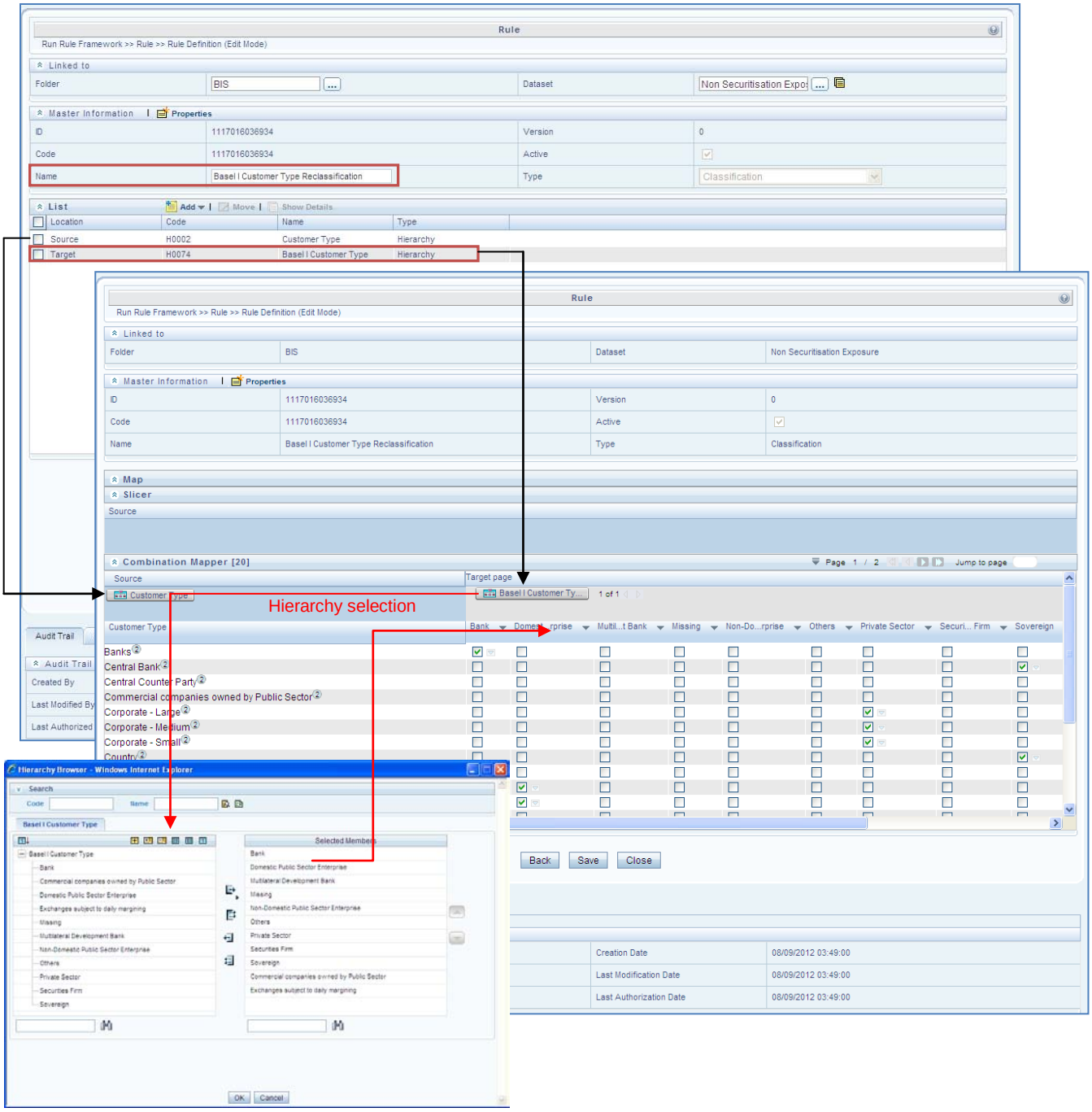
Additionally, the *RRF Rule definition* screen also displays the following components:

6. The *Folder* field to which the definition is mapped is displayed in the **Linked to** grid.
7. *Unique ID*, *Code*, and *Name* as identifiers for the specific Rule are displayed in the **Master Information** grid.
8. RRF has versioning and the status of the current *Version*, *Active Status*, *Type* of Rule are displayed in the **Master Information** grid.
9. A Rule definition **Type**, which can be of either *Classification* or *Computation*, is displayed in the **List** grid.

You can view the detailed information in OFSAAI 7.3.2.0.0 User Manual shared at OTN library.

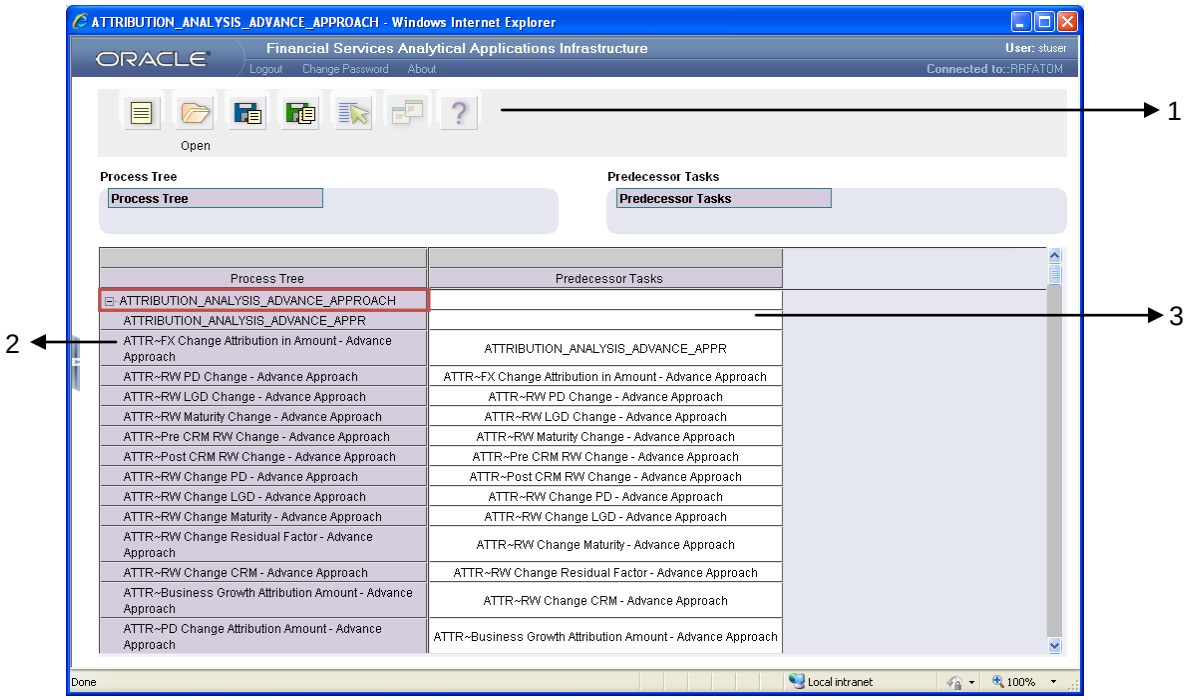
Rule definition (Classification Type) available in RRF > Rule module after migration.

For a *Classification Type Rule definition* which involves re-classification of records within a table in the data model, the screen components are as displayed.



1.2.2 Process Definition Post Migration

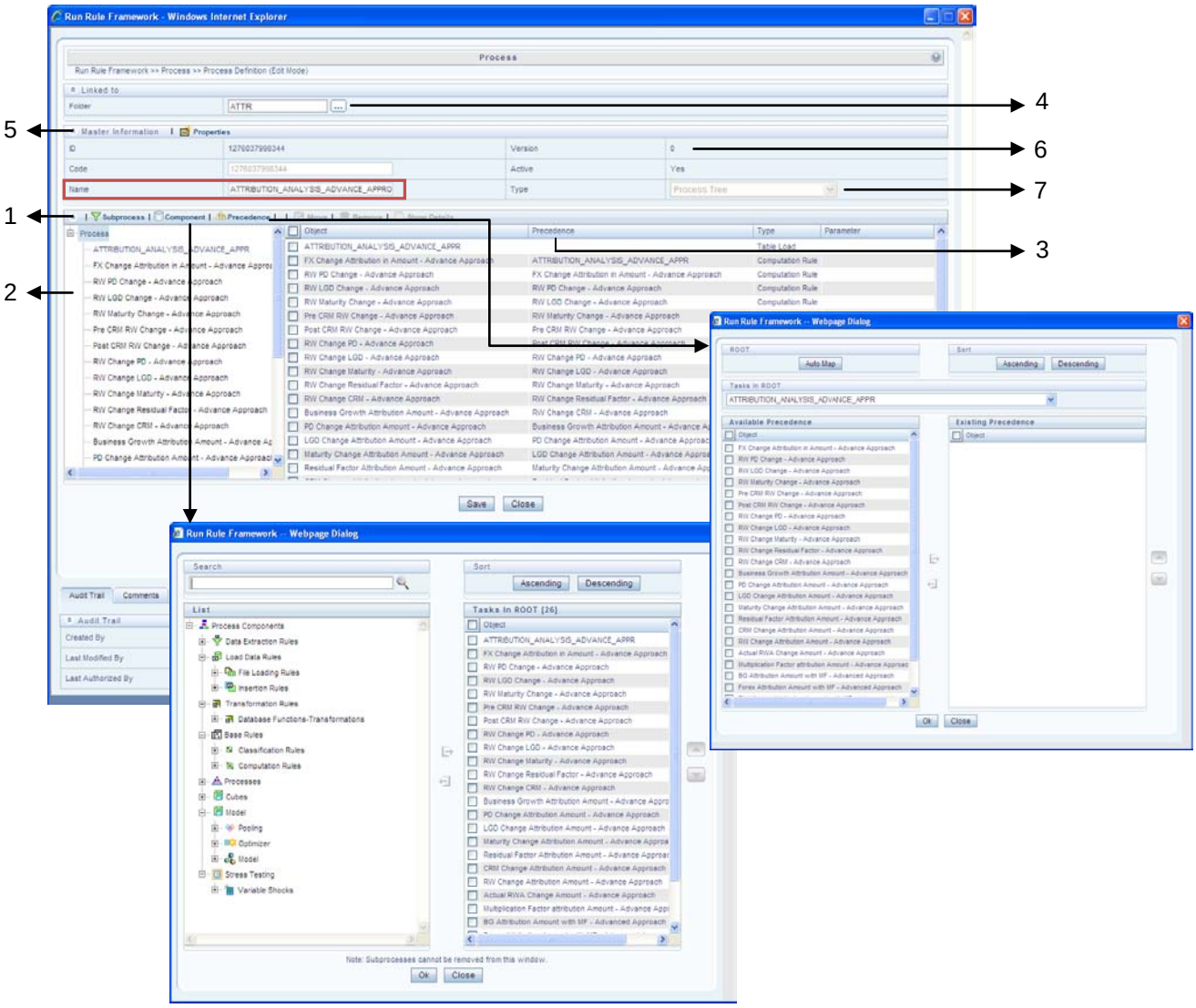
Process definition defined in PR2 framework



Post migration, you can find the Process definition details in RRF module as explained below:

1. Options to *View*, *Open*, *Save*, and *Properties* of a Process definition are available in the in the **List** grid of *Summary* screen. Options to add *Sub Process*, *Component*, and set *Precedence* are available below the **Master Information** grid.
2. *Process Tree* with the associated process conditions are displayed in the left hand side panel below the **Master Information** grid.
3. *Predecessor Tasks* which defines the precedence of each defined process condition is displayed in the right hand side panel below the **Master Information** grid.

Process definition available in RRF > Process module after migration.



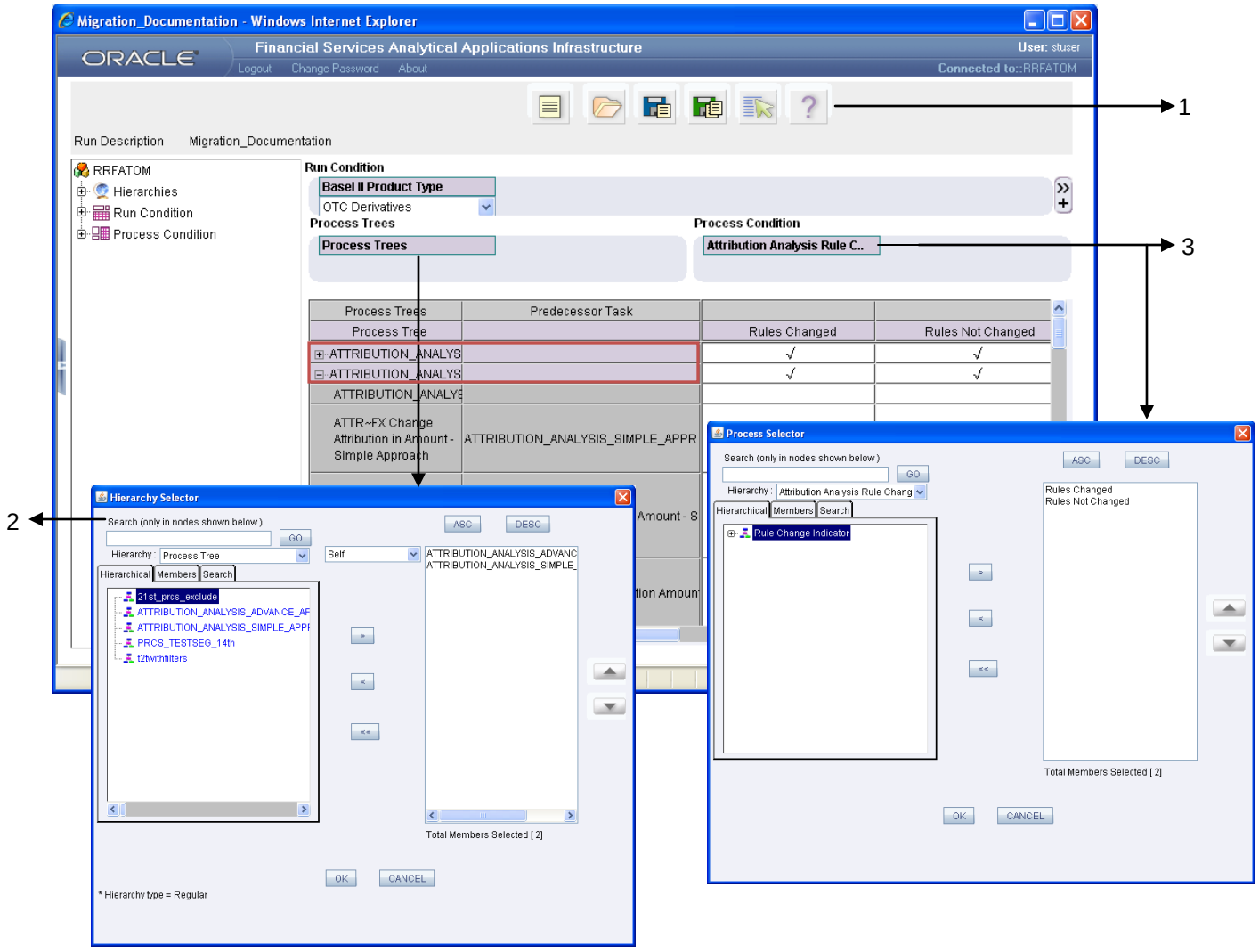
Additionally, the *RRF Process definition* screen also displays the following components:

4. The *Folder* field to which the definition is mapped is displayed in the **Linked to** grid.
5. *Unique ID*, *Code*, and *Name* as identifiers for the specific Process are displayed in the **Master Information** grid.
6. RRF has versioning and the status of the current *Version*, *Active Status*, *Type* of Process are displayed in the **Master Information** grid.
7. *RRF - Process* screen also displays the *Objects* defined for the process, its *Precedence*, *Type* of Rule defined, and the *Parameter* details selected for the particular process condition.

You can view the detailed information in OFSAAI 7.3.2.0.0 User Manual shared at OTN library.

1.2.3 Run Definition Post Migration

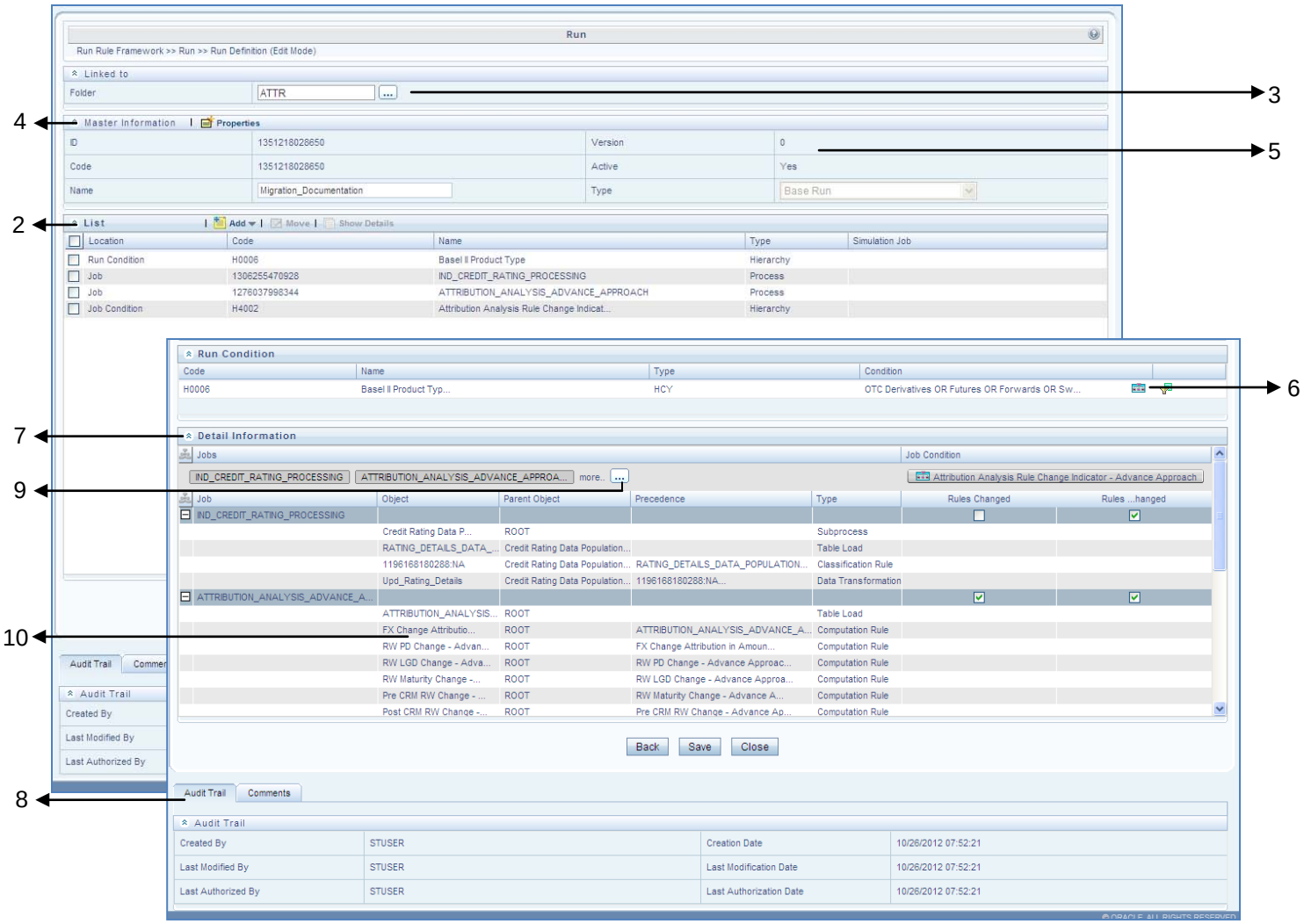
Run definition defined in PR2 framework



Post migration, you can find the Run definition details in RRF module as exaplained below:

1. Options to *View*, *Open*, *Save*, and *Properties* of a Run definition are available in the in the **List** grid of *Summary* screen.
2. Option to select the required *Process* / Jobs and its conditions can be done by clicking on *Add* > *Job* , *Run / Job Condition* option in the **List** grid. In PR2, you can add only Process to a Run definition, whereas in RRF, you can add all the registered components.

Run definition available in RRF > Run module after migration.



Additionally, the *RRF Run definition* screen also displays the following components:

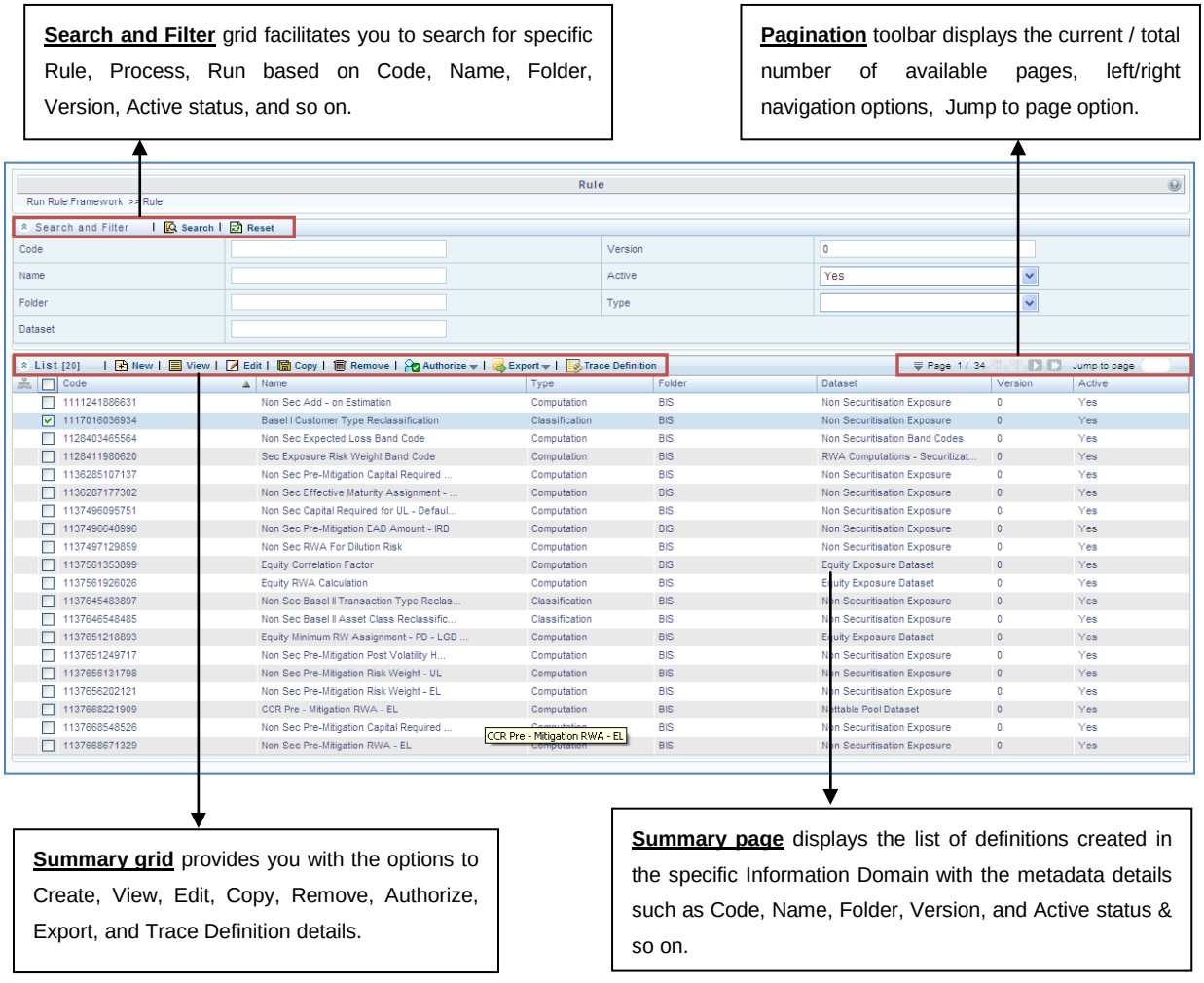
3. The *Folder* field to which the definition is mapped is displayed in the **Linked to** grid.
4. *Unique ID*, *Code*, and *Name* as identifiers for the specific Run are displayed in the **Master Information** grid.
5. RRF has versioning and the status of the current *Version*, *Active Status*, *Type* of Run are displayed in the **Master Information** grid.
6. You can define the Run conditions by clicking on button in the **Run Condition** grid.
7. The **Detail Information** grid displays all the added Jobs along with the other details such as Object, Parent Object, Precedence, Type, and the conditions selected.
8. The **Audit Trial** grid displays the metadata of the definition and options to add comments as additional information.

9. You can click on ... button in the **Detail Information** grid to *Re-Order* the selected jobs.
10. You can click on the required job in the *Object Column* to view the details of the particular job.

You can view the detailed information in OFSAAI 7.3.2.0.0 User Manual shared at OTN library.

1.3 What are the UI changes in RRF Summary Page?

The Run Rule Framework within the Infrastructure system has the UI design as shown below.



For detailed information, refer to *Workspace options* section in *OFSAAI 7.3.2.0.0 User Manual* available at OTN Library.

1.3.1 Overview of New features in Run Rule Framework

This release covers a redesigned module of Process Run Rule Framework, which has been re-factored to cover the following:

1. Improve definition interfaces performance for better end-user experience by replacing Applets with JSP's and bringing Rule Framework into UI standards summary / detail paradigm.
   - Improved search of Rule, Process, and Run definitions.
   - Secured maintenance of Rule, Process, and Run by restricting users mapped to a segment (Folders) but allowing usage across segments within an Information Domain.
   - Trace - dependent definitions.
   - Export Rule, Process, and Run definitions to PDF.
   - Audit details with history comments.

2. **Rule Definition**
   - Attach Data / Hierarchy filters to rule definitions.
   - Support for combination filter to reduce combination during source to target mapping.
   - Enable definition of Business Processor (BP) from Rule definitions, allow multiple BP's to be mapped to target place-holder, support application of BP's for both case-when (BP's defined of the same measure) and multi-column update (BP's of different measure but updating same set of rows).
   - Rule definition to allow multi-column update where source hierarchies are same.

NOTE: A rule definition in RRF cannot have more than 9 source hierarchies. If the PR2 rule that you want to migrate has more than 9 hierarchies, new rule needs to be re-defined with new hierarchies to accommodate the change.

3. **Run Definition**
   - Provision to add a process or a Rule as Job / Task into the Run definition.
   - Ability to replace a Process with another Process / Rule and a rule with another Rule / Process.
   - Disallow update of definition against the same version, if an ICC Batch already exists.

4. **Manage Run Execution**

Ability to raise a request as single or multiple execution to be available while requesting for an execution.

5. **Rule Execution**

   Rule component made aware of metadata i.e. it has the inbuilt functionality to construct the SQL using the metadata that is used in the rule definition.

6. **Component Registration**

   Component Registration process helps you to make the components of Process and Run module configurable inside Run Rule Framework (RRF). Using which components can be added, modified, and deleted from RRF by doing very minimal changes to the system.

1.3.2 Known Limitations

Following are the known limitation while migrating definitions from PR2 to RRF module:

- Scenarios and simulations in processes are not supported and cannot be migrated. Hence, those Process definitions have to be recreated in RRF module.
- Simulation Run cannot be migrated and hence the Run definitions have to be recreated in RRF module.

1.3.3 Migration Impact

Following are the impact while using PR2 definitions in RRF module:

- Runs used in Forms framework by KYC application have to use new Fire Run optimization in their xml's.
- Stress Run definitions have to be recreated.

OFSAAI
7.3.2.0.0 PR2 to RRF Migration Guide

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