# Oracle® Financial Services Balance Sheet Planning Analytics User Guide



Release 8.1.2.0.0 F81448-01 May 2023

ORACLE

Oracle Financial Services Balance Sheet Planning Analytics User Guide, Release 8.1.2.0.0

F81448-01

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## Contents

#### 1 Preface

1.1	Audience	1-1
1.2	Access to Oracle Support	1-1
1.3	Related Information Sources	1-1
1.4	Additional Documents to Read	1-2
1.5	Conventions	1-2
1.6	Abbreviations	1-2
1.7	What is New in this Release?	1-4

#### 2 Data Visualization Project

2.1	Acce	ss BSP BI Report	2-1
:	2.1.1	BSP BI Report Link from LHS	2-1
	2.1.2	Logging in to the BSP BI Page	2-1

#### 3 BSP BI Report UI

3.1	L Refr	esh BSP BI Report Data source	3-1
	3.1.1	Refresh the BSP BI Forecast Set Results Dataset	3-1
	3.1.2	Refresh the BSP BI Organization Unit Dataset	3-2
	3.1.3	Refresh the BSP BI Product Hierarchy Dataset	3-3
	3.1.4	Refresh the BSP BI Legal Entity Dataset	3-5
3.2	2 Disa	ble Editor Panel Options	3-7
3.3	3 Man	datory Report Drivers	3-9
3.4	1 Opti	onal Report Drivers	3-12
3.5	5 Use	Report Hierarchical Levels	3-14

#### 4 BSP BI Report Navigation and Content Details

4.1 General Remarks BSP BI Report Navigation and Content Details	4-1
4.2 BSP BI Report Formulae	4-2
4.3 BSP BI Report List	4-5
4.3.1 Balances	4-6



4-6
4-7
4-8
4-9
4-10
4-11

## 5 BSP BI Report Custom Configuration

5.1	Defaulted Hierarchical levels	5-1
5.2	Amend Default Hierarchical levels	5-1



# 1 Preface

This section provides information about the Oracle Financial Services Balance Sheet Planning Application Pack's (OFS BSP Pack) Analytics User Guide.

Topics:

- Audience
- Access to Oracle Support
- Related Information Sources
- Additional Documents to Read
- Conventions
- Abbreviations

#### 1.1 Audience

Oracle Financial Services Balance Sheet Planning Application Pack's (OFS BSP Pack) Analytics User Guide describes the features and functions of BSP's Analytics is intended for the use of Planning Administrators and Planning Users and also BSP BI Reporting Analysts and Administrators.

#### 1.2 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For more information, visit My Oracle Support or visit Oracle Accessibility Learning and Support if you are hearing impaired.

#### **1.3 Related Information Sources**

This section identifies additional documents related to the OFS BSP Application Pack.

You can access the following documents online from the Oracle Help Center (OHC) Documentation Library for OFS BSP Application Pack Release 8.1.2.0.0:

- OFS Balance Sheet Planning Release Notes, Release 8.1.2.0.0
- OFS Balance Sheet Planning Application Pack Installation and Configuration Guide, Release 8.1.2.0.0
- OFS Balance Sheet Planning System Administrator User Guide, Release 8.1.2.0.0
- OFS Balance Sheet Planning-Planning Administrator and Planning Analyst User Guide, Release 8.1.2.0.0
- OFS Balance Sheet Planning Cloning Reference Guide Release 8.1.x
- OFS Balance Sheet Planning Security Guide Release 8.1.x



## 1.4 Additional Documents to Read

Oracle Financial Services Balance Sheet Planning Application is built on the Oracle Financial Services Advanced Analytical Applications Infrastructure (OFS AAI).

See the following OFS AAI Documents (OHC Documentation Library) as no separate documents are required at the pack or application level for Oracle Financial Services Balance Sheet Planning Application Pack:

- OFS Analytical Applications Infrastructure (OFS AAAI) Application Pack Installation and Configuration Guide Release 8.1.2.0.0
- OFS Analytical Applications Infrastructure Administration Guide Release 8.1.x
- OFS Analytical Applications Infrastructure Cloning Reference Guide Release 8.1.x
- OFS Analytical Applications Infrastructure Security Guide Release 8.1.x
- OFS Analytical Applications Infrastructure User Guide Release 8.1.2.0.0

You can access the common document from the OHC Documentation Library:

- OFS Analytical Applications 8.1.2.0.0 Technology Matrix
- OFS Data Model Utilities Guide
- OFS Cash Flow Engine Reference Guide

#### 1.5 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, file names, text that appears on the screen, or text that you enter.
Hyperlink	Hyperlink type indicates the links to external websites, internal document links to sections.

#### Table 1-1 Conventions Used in this Guide

## 1.6 Abbreviations

The following table lists the abbreviations used in this document:

Abbreviation	Meaning
BDP	Big Data Processing



Abbreviation	Meaning
DBA	Database Administrator
DDL	Data Definition Language
DEFQ	Data Entry Forms and Queries
DML	Data Manipulation Language
EAR	Enterprise Archive
EJB	Enterprise JavaBean
ERM	Enterprise Resource Management
FTP	File Transfer Protocol
HDFS	Hadoop Distributed File System
HTTPS	Hypertext Transfer Protocol Secure
J2C	J2EE Connector
J2EE	Java 2 Enterprise Edition
JCE	Java Cryptography Extension
JDBC	Java Database Connectivity
JDK	Java Development Kit
JNDI	Java Naming and Directory Interface
JRE	Java Runtime Environment
JVM	Java Virtual Machine
LDAP	Lightweight Directory Access Protocol
LHS	Left Hand Side
MFA	Multi-Factor Authentication
MOS	My Oracle Support
OFSAA	Oracle Financial Services Analytical Applications
OFSAAI	Oracle Financial Services Analytical Application Infrastructure
OFSAAAI	Oracle Financial Services Advanced Analytica Applications Infrastructure Application Pack
OHC	Oracle Help Center
OLAP	On-Line Analytical Processing
OLH	Oracle Loader for Hadoop
ORAAH	Oracle R Advanced Analytics for Hadoop
OS	Operating System
RAM	Random Access Memory
RDBMS	Relational Database Management System
RHEL	Red Hat Enterprise Linux
SFTP	Secure File Transfer Protocol
SID	System Identifier
SSL	Secure Sockets Layer
TNS	Transparent Network Substrate
URL	Uniform Resource Locator
VM	Virtual Machine
WAR	Web Archive
XML	Extensible Markup Language



## 1.7 What is New in this Release?

The following new features are introduced as part of this release:

- Node Level Assumptions: A redesigned Cash Flow Edits is available to check the quality of input data and cleanse it. In addition to a fresh User Interface, rules have been categorized into multiple groups/sub-groups. Users can select one or more groups/sub-group to execute on the selected date. A fresh installation of BSP 8.1.2.0.0 will have only the new Cash Flow Edits.
- 2. BSP BI Reports: BSP BI Reports is aimed to replace BSP In-app Java reports with BI Data Visualization capability. The existing 5 Reporting categories is migrated with Out of Box which was prevailing in the earlier version, in addition the new BSP BI Reports provides Hierarchy Level Reporting (that is Legal Entity, Planning Center & Product level) which will facilitate results to roll up at the Node Level for DV Reports which can be accessed across all groups). For more information, see the remaining chapters in the guide.
- 3. Non-Maturity Products Modeling: Helps to create a model that can calculate Core/Volatile Balance for Non-Maturity Products portfolio; based on Historical End of Period Balances available from these products. You can define Non-Maturity Behavior Patterns based on model outputs like how much is core, how long core will be available based on the Decay Rate Profile generated by the model. These in-built PYTHON Models can help you manage, funds available from Non-Maturity Products more precisely to enhance your profitability. For more information, see the Non-Maturity Products Data Creation Process and Non-Maturity Products Model Analysis Chapters in the OFS Balance Sheet
- Planning System Administrator User Guide, Release 8.1.2.0.0.
  Enhanced Cash Flow Edits: A redesigned Cash Flow Edits is available to check the quality of input data and cleanse it. In addition to a fresh User Interface, rules have been categorized into multiple groups/sub-groups. Users can select one or more groups/sub-group to execute on the selected date. For a customer upgrading from prior release of BSP, both old and new Cash Flow Edits are available to

maintain continuity. A fresh installation of BSP 8.1.2.0.0 will, however, have only the new Cash Flow Edits. For more information, see *Cash Flow Edits* Chapter in the OFS Balance Sheet

Planning System Administrator User Guide, Release 8.1.2.0.0.



# 2 Data Visualization Project

Data Visualization provides a quick and effective way to communicate information in a universal manner using visual information. The practice can also help businesses identify which factors affect Customer Behavior, pinpoint areas that need to be improved or need more attention make data more memorable for stakeholders, understand when and where to place specific products, and predict sales volumes.

This technology and its vision have been embraced by the BSP BI Reports to support the above End-User journey.

### 2.1 Access BSP BI Report

This section covers the description to access the BSP BI Reports.

#### 2.1.1 BSP BI Report Link from LHS

To access the BSP BI Reports, from the LHS Menu, select **BSP BI Reports** after you log in with your user credentials.



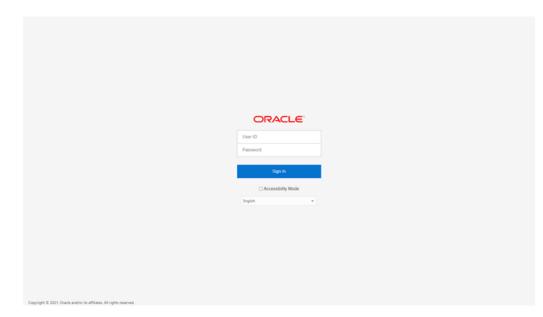
Figure 2-1 BSP BI Menu

### 2.1.2 Logging in to the BSP BI Page

After you open the LHS link from the previous step, you will be redirected to login into the BSP BI Report Page. Use your credentials to access the BI Reports.







# 3 BSP BI Report UI

This section describes the operation capabilities with BSP BI Reporting using UI.

## 3.1 Refresh BSP BI Report Data source

Following are the steps to refresh BSP BI Report Datasets.

For example, after a new execution of a Forecast Set has happened or after a new Hierarchical Dimension has been configured.

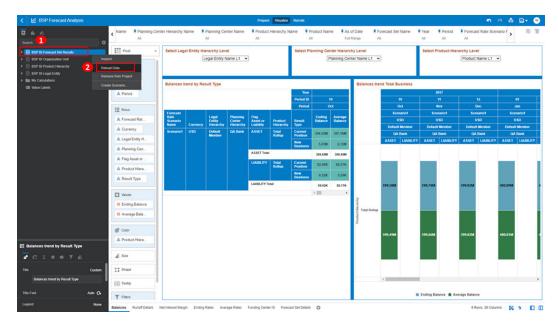
The Datasets to be refreshed are the following:

- BSP BI Forecast Set Results
- BSP BI Organization Unit
- BSP BI Product Hierarchy
- BSP BI Legal Entity

#### 3.1.1 Refresh the BSP BI Forecast Set Results Dataset

To refresh the BSP BI Forecast Set Results Dataset, follow these steps:

1. From the LHS Menu, select the desired **Dataset** as displayed in the following screenshot and then right-click on it to select the **Reload Data** option in the prompted action list.



#### Figure 3-1 BSP Forecast Analysis

2. Wait for the Dataset to be refreshed as displayed in the following screenshot.



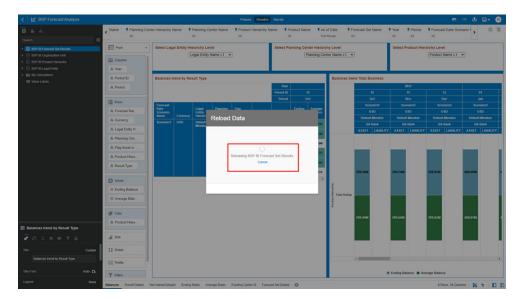


Figure 3-2 Reload Data

3. After the Dataset is refreshed, click **OK** to proceed.

#### 3.1.2 Refresh the BSP BI Organization Unit Dataset

To refresh the BSP BI Organization Unit Dataset, follow these steps:

1. From the LHS Menu, select the desired **Dataset** as displayed in the following screenshot, and then right-click on it to select the **Reload Data** ption in the prompted action list.



Figure 3-3 Reload Data Option

2. Wait for the Dataset to be refreshed as displayed in the following screenshot.

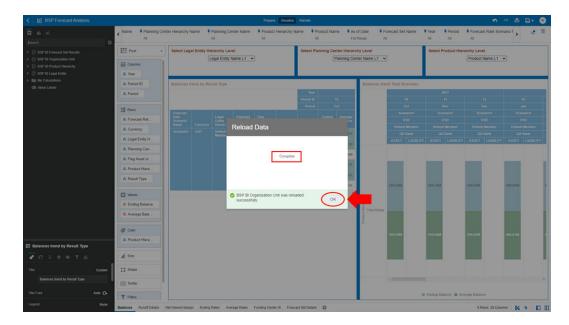


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Figure 3-4 Data Reload

3. After the Dataset is refreshed click **OK** to proceed.

#### Figure 3-5 Reload Data Confirmation



## 3.1.3 Refresh the BSP BI Product Hierarchy Dataset

To refresh the BSP BI Product Hierarchy Dataset, follow these steps:

1. From the LHS menu, select the required **Dataset** as displayed in the following screenshot and then right-click on it to select the **Reload Data** option in the prompted action list.



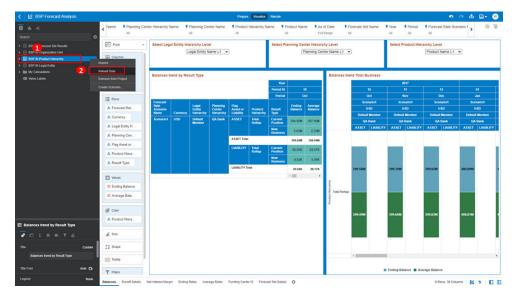


Figure 3-6 Reload Data Option

2. Wait for the Dataset to be refreshed as displayed in the following screenshot.

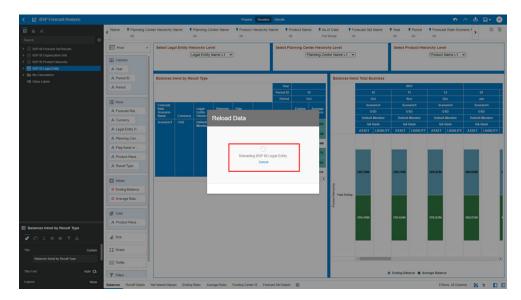


Figure 3-7 Data Reload

3. After the Dataset is refreshed click **OK** to proceed.

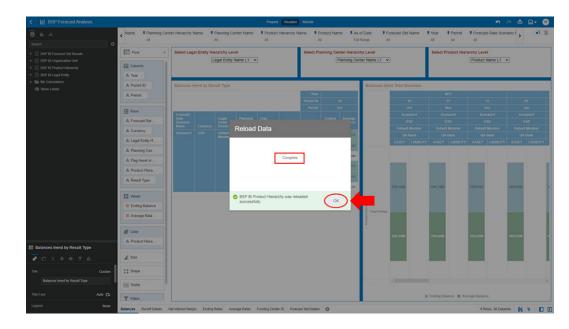


Figure 3-8 Reload Data Confirmation

#### 3.1.4 Refresh the BSP BI Legal Entity Dataset

To refresh the BSP BI Legal Entity Dataset, follow these steps:

1. From the LHS Menu, select the required required **Dataset** as displayed in the following screenshot and then right-click on it to select the **Reload Data** option in the prompted action list.

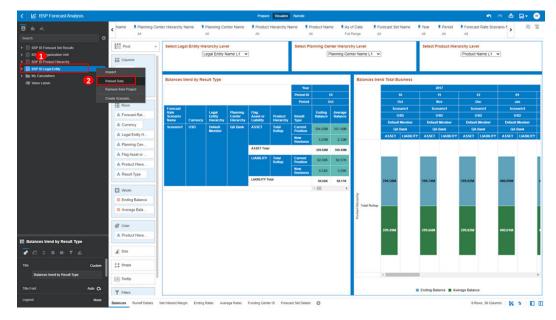


Figure 3-9 Reload Data Option

2. Wait for the Dataset to be refreshed.



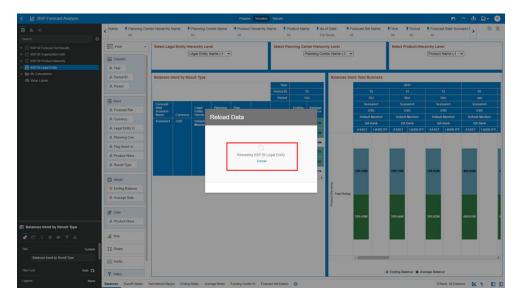
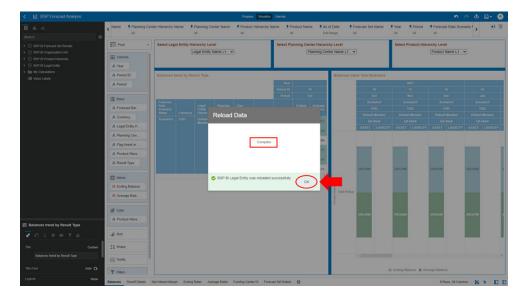


Figure 3-10 Data Reload

3. After the dataset is refreshed click **OK** to proceed.

#### Figure 3-11 Reload Data Confirmation



After the previous Datasets refresh, proceed with clicking on the "Refresh Data" Option from the top right hand side button as shown in the following screenshot.



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Figure 3-12 Refresh Data

## 3.2 Disable Editor Panel Options

To use the BSP BI Report in Visualization Mode, you should disable the **Toggle Data Panel** and **Toggle Grammar Panel**.

Disable the Toggle Data Panel as follows:

1. Click on the bottom right-hand side the button as shown.

	Legal Entity Hierarchy Name	e 🕴 Legal E	intity Name	# Plan	ning Center	Hierarchy Na	me ‡Pi	anning Cente	er Name	F Product	Hierarchy	Name FP	roduct Name	As of	Date 4	Forecast	Set Name	¥ Year	FPeriod	8
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APP_PREF_SELECT								Period ID					-	0						
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Figure 3-13 BSP Forecast Analysis



The result of the Step 1 action is displayed.

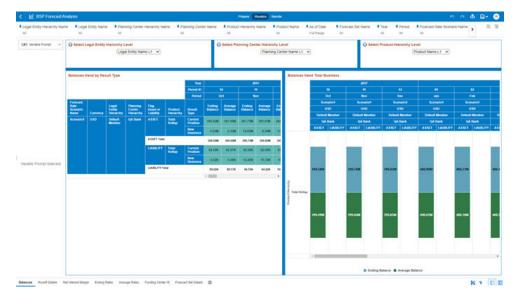
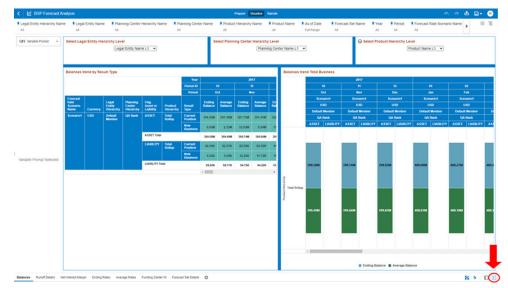


Figure 3-14 BSP Forecast Analysis Result

2. Disable the Toggle Grammar Panel as shown:





 Click on the bottom right-hand side the Toggle Grammar Panel button as shown in the following screenshot. The result of the Step 1 action is displayed.





Figure 3-16 Disabling Toggle Grammar Panel

#### 3.3 Mandatory Report Drivers

To get the desired BSP BI Report output, the Mandatory Reporting Drivers must be selected and applied as mentioned.

This is the list for the Mandatory Report Drivers that must be used as explained in the following process:

- Legal Entity Hierarchy Name
- Planning Center Hierarchy Name
- Product Hierarchy Name
- Forecast Set Name
- As of Date

As the Application supports the creation of Multiple Hierarchies for the same Dimension of analysis and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "Legal Entity Hierarchy Name" must be selected with only a single value, simultaneously (note the screenshot displays sample data value for the mentioned mandatory driver and that this would be replaced by configuration set-up of your installation).





Figure 3-17 Selecting Legal Entity Hierarchy Name

As the Application supports the creation of multiple Hierarchies for the same Dimension of analysis and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "Planning Center Hierarchy Name" must be selected with only a single value, simultaneously (note the screenshot displays sample data value for the mentioned mandatory driver and that this would be replaced by configuration set-up of your installation).

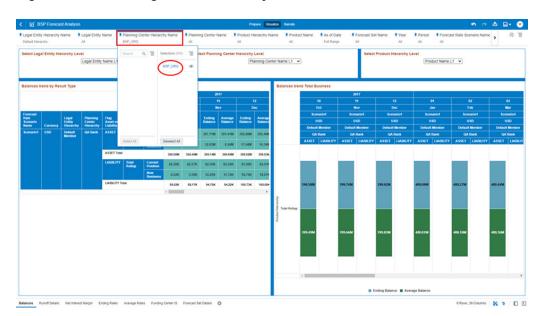
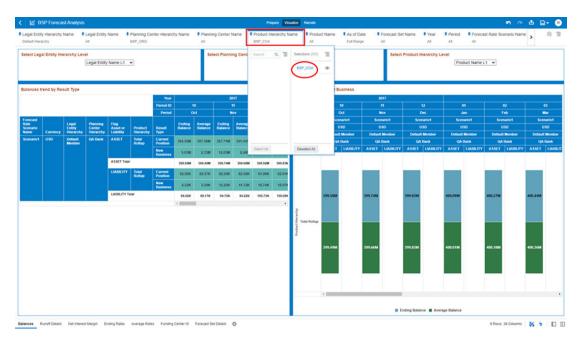


Figure 3-18 Planning Center Hierarchy Name

As the Application supports the creation of multiple Hierarchies for the same Dimension of analysis and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "Product Hierarchy Name"

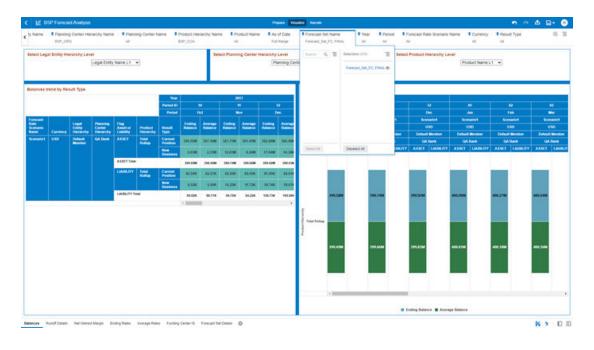


must be selected with only a single value, simultaneously (note the screenshot displays sample data value for the mentioned mandatory driver and that this would be replaced by configuration set-up of your installation).



#### Figure 3-19 Product Hierarchy Name

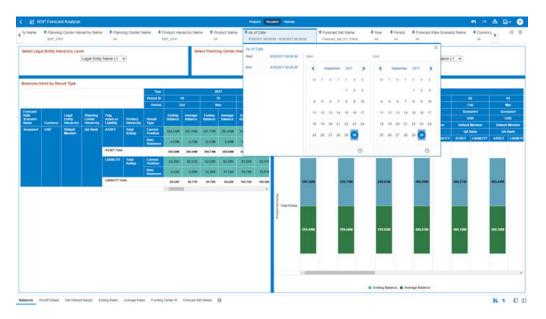
A mandatory driver to select "Forecast Set Name" must be selected with only a single value simultaneously as the end-user requires to analyze one Forecast Result at once (note the screenshot displays sample data value for the mentioned mandatory driver and that this would be replaced by configuration set-up of your installation).



#### Figure 3-20 Forecast Set Name



A mandatory driver to select "As of Date" must be selected with only a single value, simultaneously, as the end-user requires to analyze one Forecast Result Execution Period at once (note the screenshot displays sample data value for the mentioned mandatory driver and that this would be replaced by configuration set-up of your installation).



#### Figure 3-21 As of Date

#### 3.4 Optional Report Drivers

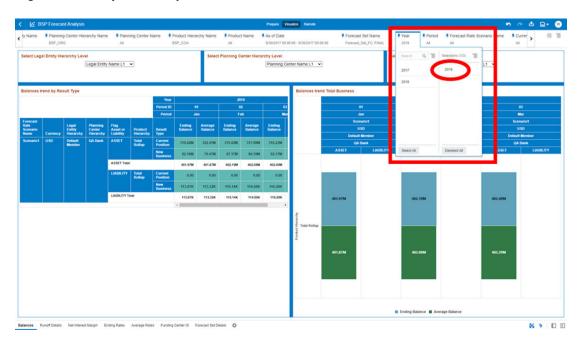
To further filter the desired BSP BI Report Output, the Optional Reporting Drivers can be discretionarily selected as mentioned.

The following is the list for the Optional Report Drivers that can be used as explained in the following process:

- Legal Entity Name
- Planning Center Name
- Product Name
- Year
- Period
- Forecast Rate Scenario Name
- Currency
- Result Type
- Financial Element ID (available only in "Forecast Set Details" report canvas)
- Financial Element (available only in "Forecast Set Details" report canvas)

The following screenshot demonstrates how to leverage the Optional Report Drivers (that is, filter for "Year" with a selection of "2019").





#### Figure 3-22 Optional Report Drivers

The following screenshot displays the entire list for the Optional Report Drivers (note that "Financial Element ID" and "Financial Element" are available only in the "Forecast Set Details" Report Canvas).

Figure 3-23	List of Optional Report Drivers
-------------	---------------------------------

al Entity Hierar	rchy Name	Legal Entity N All	ame 4	Planning Center H	lerarchy Name	Planning Center Name All	Product Al	Hierarchy Name	Product Name Al	As of Date Full Range	Forecast Set Name All	* Year Al	Period     Al		ario Name Cum All	ency Res	ut Type Finan		Financial Elem	ent	0
ecast Set Det	-																	/	<hr/>	_	
As of Date	Year	Period ID	Period	Result Sys	Forecast Set	Forecast Set Name	Forecast Rate Scenario ID	Forecast Rate Scenario Name	Currency	Legal Entity Lo	gal Entity Planning Name Center ID	Planning Center Name	App Preferen	ce Product ID	Product Name	Flag Asset or Liability	Financial Descent ID	Financial Deep	7000	Result Type	Financial Element Value
19/20/2017 12:00:00 AM	2017	10	Oct	4	200260	Forecast_Set_FC,	1	Scenario1	USD -	Del	ault 1103	Funding Center1	COA	30291	Home Loan (Fixed)	Cacenty	Crease in the				-961.323
19/20/2017 19/20/2017 12:00:00 AM	2017	10	Out	4	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .	Det	nuer .	Funding Center1	COA	30292	(Fixed) Home Loan (Adjustable)	The	se two	filters a	re		-31.861
19/30/2917 12:00:00 AM	2017	10	Oct	4	200260	Forecast_Set_FC, ENAI	1	Scenario1	USD -	Det	ault 1103	Funding Center1	COA	30293	Consumer Loan	avai	lable o	nly in "I	oreca	ast	-247.81
9/30/2017 2:00:00 AM	2017	10	Out	-4	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .	, De		Funding Center1	COA	50291	Wholsesale Term Deposit			' report			-58.25
9/30/2017 2:00:00 AM	2017	10	Oct	4	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .	. De	isult 1103	Funding Center1	COA	50292	Retail Term Deposit	Jet	Details	Charge/Credit		Position	-21.41
9/20/2017 2-00-00 AM	2017	10	Oct	4	200260	Forecast_Set_FC, ENAI	1	Scenario1	USD .	. De		Funding	COA	60201	Retail CASA	LIABILITY	450	Transfer Rate Charge/Credit		Current	-4.8
9/20/2017 2:00:00 AM	2017	10	Oct	4	200250	Forecast_Set_FC, FINAL	1	Scenario1	USD .	. De		Funding Center1	COA	60202	Wholesale CASA	LIABILITY	450	Transfer Rate Charge/Credit		Current	-11.2
9/30/2017 2:00:00 AM	2017	10	Oct	200265	200260		1	Scenario1	USD .	. De		BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	60	Enginning Balance		Current Position	289.325
9/30/2917 2:00:00 AM	2017	10	Oct	200265	200200	E	1	Scenario1	USD	- Det		BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	60	Beginning Balance		New Business	0.0
9/30/2017 2:00:00 AM	2017	10	Oct	200265	200260	Ferecast_Set_FC, FINAL	1	Scenario1	USD -	. De		BR 1101 -	COA	30201	Home Loan (Fixed)	ASSET	80	Deginning Net Rate	0	Current Position	16.84
N20/2017 2:00:00 AM	2017	10	Oct	200265	200260	Ferecast_Set_FC, FINAL	1	Scenario1	USD .	- Det		BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	80	Beginning Net Rate		New Business	0.0
N30/2017	2017	10	Oct	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .	e De		BR 1101 - North Avenue	COA	30291	(Fixed) (Fixed)	ASSET	50	Beginning Transfer Rate	0	Current	11.39
120/2017 2:00:00 AM	2017	10	Oct	200265	200260	Ferecast_Set_FC, FINAL	1	Scenario1	USD .	De		BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	50	Beginning Transfer Rate		New Business	
120/2017	2017	10	Oct	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .	Det		BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	92	Eeginning Basis Risk Cost Rate	1	New Business	0.0
9/20/2017 2:00:00 AM	2017	10	Oct	200265	200260	Forecast_Set_FC,	1	Scenario1	USD -	. De		BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	54	Beginning Other Adjustment Rate	1	New Business	0.0
N20/2017 2:00:00 AM	2017	10	Out	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD -	De	ault 1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	100	Ending Balance		Current Position	384.54
9/20/2017 2:00:00 AM	2017	10	Oct	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD -	1 Det	ault 1101	BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	100	Ending Balance		New Business	4.771
0/20/2017 12:00:00 AM	2017	10	Out	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .	1 Del	auft 1101	BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	120	Ending Net Rate		Current	16.640
N20/2017 2:00:00 AM	2017	10	Oct	200265	200260	Forecast_Set_FC.	1	Scenario1	USD .	t Del	ault 1101	BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	120	Ending Net Rate	4	New Dusiness	238.54
9/30/2917 2:00:00 AM	2017	10	Oct	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .	1 Del	ault 1101	BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	120	Ending Transfer Rate	0	Current Position	11.256
0/30/2017	2017	10	Oct	200265	200260		1	Scenario1	USD .	1 Del	ault 1101	BR 1101 -	COA	30294	Home Loan (Fixed)	ASSET	120	Ending Transfer		New Dusiness	163.65
9/20/2017 2:00:00 AM	2017	10	Oct	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .	1 Del	ault 1101	BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	122	Ending Basis Risk Cost Rate	4	New Dusiness	1.673
9/30/2017 2:00:00 AM	2017	10	Oct	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .	Der		BR 1101 - North Avenue	COA	30294	Home Loan (Fixed)	ASSET	134	Ending Other Adjustment Rate	4	New Business	22.854
9/30/2017 2:00:00 AM	2017	10	Oct	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .	4 Def	ault 1101	BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	140	Average Balance		Current Position	287.123
N/30/2017 2:00:00 AM	2017	10	Oct	200265	200260	Ferecast_Set_FC, FINAL	1	Scenario1	USD .	1 Del	ault 1101	BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	140	Average Balance	1	New Business	2.18
9/30/2017 2:00:00 AM	2017	10	Oct	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD -	1 Def	sult 1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	160	Average Net Rate		Current Position	16.751
N30/2017 2:00:00 AM	2017	10	Oct	200265	200260	Ferecast_Set_FC, FINAL	1	Scenario1	USD -	. De		BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	160	Average Net Rate	1	New Business	109.40
N'30/2017 2:00:00 AM	2017	10	Oct	200265	200260	Ferecast_Set_FC, FINAL	5	Scenario1	USD -	Der	ault 1101	BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	170	Average Transfer Rate	0	Current Position	11.320
9/30/2017 2:00:00 AM	2017	10	Oct	200265	200260	Ferecast_Set_FC. FINAL	1	Scenario1	USD -	Det		BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	170	Average Transfer Rate		New Business	77.677
5/30/2017 2:00:00 AM	2017	10	Oct	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD -	. De		BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	175	Average Basis Risk Cost Rate	1	New Business	765.8
9/30/2017 2:00:00 AM	2017	10	Oct	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD .			BR 1101 - North Avenue	COA	30291	Home Loan (Fixed)	ASSET	177	Average Other Adjustment Rate	1	New Business	10.34
2.00.00708												And the first of			b many			required to be			



## 3.5 Use Report Hierarchical Levels

The BSP BI Reports enable the roll-up and drill-down capability for Forecast Output Results, leveraging all the available levels for the following three Hierarchies:

- Legal Entity Hierarchy
- Planning Center Hierarchy
- Product Hierarchy

The following screenshot displays the three available selections for the aforementioned hierarchies. These are available for all the Report Canvases except for the "Funding Center IS", where only "Legal Entity Hierarchy" and "Product Hierarchy" are available. This is because Funding Center is always a hypothetical branch, which is created to do all adjustments, which are prevailing under the Planning Center. Therefore, there is no hierarchy available for this Driver, and for "Forecast Set Details".

Available Hierarchies for the Report Canvases are as follows:

- Balances
- Runoff Details
- Net Interest Margin
- Ending Rates
- Average Rates

Figure 3-24 BSP Forecast Analysis Homepage



No hierarchies are available for the Forecast Set Details Report Canvas.



Figure 3-25 Forecast Set Details
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The following screenshot describes how to select a Hierarchy Level for the "Product Hierarchy".

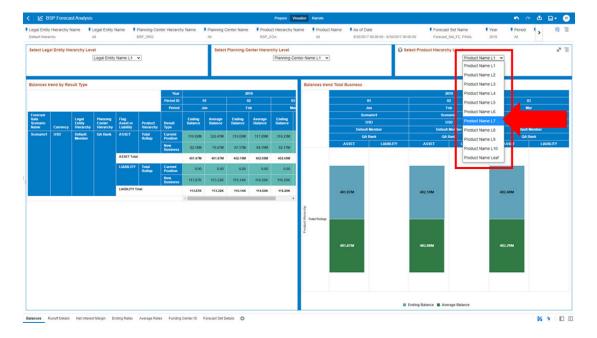


Figure 3-26 Selecting Hierarchy Level for the Product Hierarchy

The following screenshot displays the updated Forecast Output results after the selection of the required Hierarchical Level for the "Product Hierarchy".





Figure 3-27 Forecast Output Results

The following screenshot describes how to select a Hierarchy Level for the "Planning Center Hierarchy".

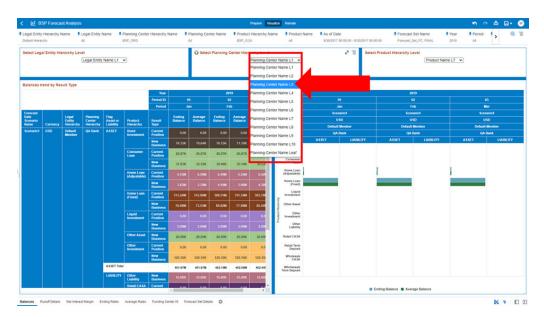


Figure 3-28 Hierarchy Level for the Planning Center Hierarchy

The following screenshot displays the updated Forecast Output results after the selection of the required Hierarchy Level for the "Planning Center Hierarchy".



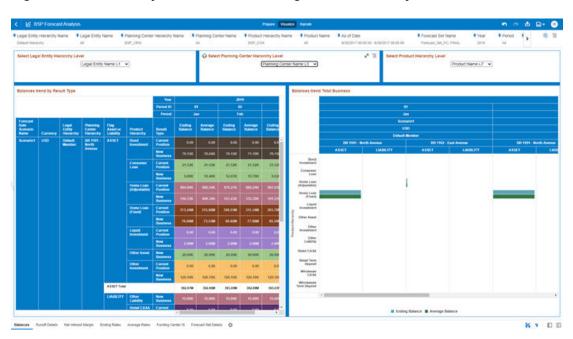


Figure 3-29 Hierarchy Level for the Planning Center Hierarchy

The following screenshot describes how to select a Hierarchy Level for the "Legal Entity Hierarchy".

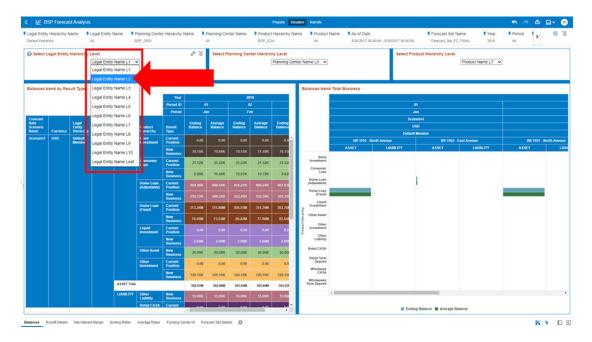


Figure 3-30 Hierarchy Level for the Legal Entity Hierarchy

The following screenshot displays the updated Forecast Output Results after the selection of the required Hierarchy Level for the "Legal Entity Hierarchy".



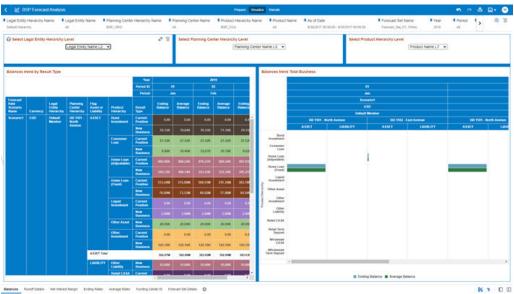


Figure 3-31 Hierarchy Level for the Legal Entity Hierarchy

Balances Runof Details Net Interest Warger Ending Rules 0

## 4 BSP BI Report Navigation and Content Details

This section describes the content available for the BSP BI Reports and how the available metrics are calculated.

Also, a description to navigate the Report content details is available.

# 4.1 General Remarks BSP BI Report Navigation and Content Details

The following reports are enabling drill-down and roll-up analysis for all Hierarchical Levels as explained in the previous chapter Use Report Hierarchical Levels.

SL.No	OOB Reports
1	Balances
2	Runoff Details
3	Net Interest Margin
4	Ending Rates
5	Average Rates
6	Funding Center IS
7	Forecast Set Details

Table 4-1 List OOTB Reports

For every report canvas, when doing roll-up and drill-down navigation of the results, the metrics are always displayed by "Asset" and "Liability".

The following are the screenshots to demonstrate the same.

#### Figure 4-1 Metrics in terms of Asset and Liability

						Year			20	117		
						Period ID	1	0	1	1	1	2
						Period	0	ct	N	ov	D	ec
Forecast Rate Scenario Name	Currency	Legal Entity Hierarchy	Planning Center Hierarchy	Flag Asset or Liability	Product Hierarchy	Result Type	Ending Balance	Average Balance	Ending Balance	Average Balance	Ending Balance	Averag Balanc
Scenario1	USD	Default Member	QA Bank	ASSET	Total Rollup	Current Position	394.55M	397.16M	387.71M	391.41M	382.88M	385.49
						New Business	5.03M	2.33M	12.03M	8.24M	17.04M	14.34
				ASSET Total			399.58M	399.49M	399.74M	399.66M	399.92M	399.83
				LIABILITY		Current Position	82.50K	82.57K	82.50K	82.50K	81.99K	82.01
						New Business	6.52K	5.59K	12.25K	11.72K	18.74K	18.07
				LIABILITY Total			89.02K	88.17K	94.75K	94.22K	100.73K	100.0



						Year			20	17		
						Period ID	1	0	1	1	1	12
						Period	0	ct	N	DV	D	lec
Forecast Rate Scenario Name	Currency	Legal Entity Hierarchy	Planning Center Hierarchy	Flag Asset or Liability	Product Hierarchy	Result Type	Ending Balance	Average Balance	Ending Balance	Average Balance	Ending Balance	Averag Balanc
Scenario1	USD	Default Member	QA Bank	ASSET	Bond Investment	Current Position	355.15K	352.49K	355.15K	355.15K	355.15K	355.15
						New Business	10.00K	5.00K	23.34K	16.70K	39.20K	31.2
					Consumer Loan	Current Position	31.09K	31.14K	31.09K	31.09K	30.29K	31.0
						New Business	5.73K	2.87K	1.95K	3.84K	8.51K	4.8
					Home Loan (Adjustable)	Current Position	7.50M	7.53M	7.45M	7.47M	7.39M	7.4
						New Business			419.74K			
					Home Loan (Fixed)	Current Position	384.55M	387.14M	379.77M	382.45M	375.00M	377.5
						New Business	4.78M	2.19M	9.55M	6.88M	14.33M	11.7
				Liquid Investment	Current Position	2.00M	2.00M	0.00	1.00M			
					New Business			2.00M	1.00M	2.00M		
				ASSET Total	Other Asset	New Business	20.00K	19.35K	16.00K	16.13K	20.00K	19.8
					Other Investment	Current Position	109.24K	109.24K	109.24K	109.24K	109.24K	109.2
						New Business	10.92K	5.46K	10.92K	10.92K	10.92K	10.9
							399.58M	399.49M	399.74M	399.66M	399.92M	399.8
				LIABILITY	Other Liability	New Business	5.00K	4.84K	10.00K	9.83K	15.00K	14.8
					Retail CASA	Current Position	593.87	593.87	593.87	593.87	593.87	593
						New Business	118.78	59.39	0.00	59.39	118.78	59
					Retail Term Deposit	Current Position	23.33K	23.33K	23.33K	23.33K	23.15K	23.1
						New Business	0.00	0.00	-0.22	0.00	181.75	175
					Wholesale CASA	Current Position	7.52K	7.52K	7.52K	7.52K	7.52K	7.
						New Business	752.15	376.08	1.08K	917.63	1.43K	1.2
					Wholsesale Term Deposit	Current Position	51.05K	51.13K	51.05K	51.05K	50.73K	50.7
						New Business	651.65	319.06	1.17K	910.03	2.01K	1.7

Figure 4-2 Metrics in terms of Asset and Liability

## 4.2 BSP BI Report Formulae

The following table describes the BSP BI Reports Formulae used to calculate the displayed related Report Metrics.

Report Name	Report Metrics	Formula Financial Element Id	Formula Financial Element Name	Report Metrics Formula
Balances	Ending Balance	100	Ending Balance	SUM(100)
	Average Balance	140	Average Balance	SUM(140)
Runoff Details	New Add Balance	340	New Add Balance	SUM(340)
	Total Runoff	210	Total Runoff - Positive	SUM(210+212)
		212	Total Runoff - Negative	
	Payment Runoff	190	Payment Runoff - Positive	SUM(190+192)
		192	Payment Runoff - Negative	
	Maturity Runoff	195	Maturity Runoff - Positive	SUM(195+197)
		197	Maturity Runoff - Negative	
	Prepayment Runoff	180	Prepay Runoff - Positive	SUM(180+182)
		182	Prepay Runoff - Negative	



Report Name	Report Metrics	Formula Financial Element Id	Formula Financial Element Name	Report Metrics Formula
	Core Non- Maturity Runoff	200	Core Non- Maturity Runoff	SUM(200)
	Volatile Non- Maturity Runoff	202	Volatile Non- Maturity Runoff	SUM(202)
	Deferred Runoff	540	Deferred Runoff	SUM(540)
Net Interest	Net Interest	440	Interest Accrued	SUM(440-450-41
Margin	Margin	450	Transfer Rate Charge/Credit	4-415-416-417)
		414	Liquidity Adjustment Charge/Credit	
		415	Basis Risk Cost Charge/Credit	
		416	Pricing Incentive Charge/Credit	
		417	Other Adjustment Charge/Credit	
	Interest Accrued	440	Interest Accrued	SUM(440)
	Transfer Rate Charge/Credit	450	Transfer Rate Charge/Credit	SUM(450)
	Liquidity Adjustment Charge/Credit	414	Liquidity Adjustment Charge/Credit	SUM(414)
	Basis Risk Cost Charge/Credit	415	Basis Risk Cost Charge/Credit	SUM(415)
	Pricing Incentive Charge/Credit	416	Pricing Incentive Charge/Credit	SUM(416)
	Other Adjustment Charge/Credit	417	Other Adjustment Charge/Credit	SUM(417)
Ending Rates	Ending Net Interest Spread	120	Ending Net Rate	AVG((120-130-13 1-132-133-134)/ 100)
		130	Ending Transfer Rate	
		131	Ending Liquidity Adjustment Rate	
		132	Ending Basis Risk Cost Rate	
		133	Ending Pricing Incentive Cost Rate	
		134	Ending Other Adjustment Rate	
		100	Ending Balance	
	Ending Net Rate	120	Ending Net Rate	AVG(120/100)
		100	Ending Balance	

#### Table 4-2 (Cont.) BI Report Formulae



Report Name	Report Metrics	Formula Financial Element Id	Formula Financial Element Name	Report Metrics Formula
	Ending Transfer Rate	130	Ending Transfer Rate	AVG(130/100)
		100	Ending Balance	
	Ending Liquidity Adjustment Rate	131	Ending Liquidity Adjustment Rate	AVG(131/100)
		100	Ending Balance	
	Ending Basis Risk Cost Rate	132	Ending Basis Risk Cost Rate	AVG(132/100)
		100	Ending Balance	
	Ending Pricing Incentive Cost Rate	133	Ending Pricing Incentive Cost Rate	AVG(133/100)
		100	Ending Balance	
	Ending Other Adjustment Rate	134	Ending Other Adjustment Rate	AVG(134/100)
		100	Ending Balance	
	Average Net	160	Average Net Rate	
	Interest Spread	170	Average Transfer Rate	4-175-176-177) 140)
		174	Average Liquidity Adjustment Rate	
		175	Average Basis Risk Cost Rate	
		176	Average Pricing Incentive Rate	
		177	Average Other Adjustment Rate	
		140	Average Balance	
	Average Net Rate	160	Average Net Rate	AVG(160/140)
		140	Average Balance	
	Average Transfer Rate	170	Average Transfer Rate	AVG(170/140)
		140	Average Balance	
	Average Liquidity Adjustment Rate	174	Average Liquidity Adjustment Rate	AVG(174/140)
		140	Average Balance	
	Average Basis Risk Cost Rate	175	Average Basis Risk Cost Rate	AVG(175/140)
		140	Average Balance	
	Average Pricing Incentive Rate	176	Average Pricing Incentive Rate	AVG(176/140)
		140	Average Balance	
	Average Other Adjustment Rate	177	Average Other Adjustment Rate	AVG(177/140)
		140	Average Balance	

Table 4-2	(Cont.)	<b>BI Report</b>	Formulae
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Report Name	Report Metrics	Formula Financial Element Id	Formula Financial Element Name	Report Metrics Formula
Funding Center IS	Net Interest Margin	414	Liquidity Adjustment Charge/Credit	SUM(450+414+4 15+416+417)
		415	Basis Risk Cost Charge/Credit	
		416	Pricing Incentive Charge/Credit	
		417	Other Adjustment Charge/Credit	
		450	Transfer Rate Charge/Credit	
	IS Liquidity Adjustment Charge/Credit	414	Liquidity Adjustment Charge/Credit	SUM(414)
	IS Basis Risk Cost Charge/ Credit	415	Basis Risk Cost Charge/Credit	SUM(415)
	IS Pricing Incentive Charge/ Credit	416	Pricing Incentive Charge/Credit	SUM(416)
	IS Other Adjustment Charge/Credit	417	Other Adjustment Charge/Credit	SUM(417)
	IS Transfer Rate Charge/Credit	450	Transfer Rate Charge/Credit	SUM(450)

Table 4-2 (Cont.) BI Report Formulae

### 4.3 BSP BI Report List

BSP BI Reports are out-of-the-box prebuilt reports which cater to results on the Forecast Run. The following listed reports are readily available in the Report Canvases with precomputed metrics (see the BSP BI Report Formulae Section for more details) when the relevant data is made available as part of Instrument Data.

Table 4-3 BSP OOTB Reports

SL.No	OOB Reports
1	Balances
2	Runoff Details
3	Net Interest Margin
4	Ending Rates
5	Average Rates
6	Funding Center IS
7	Forecast Set Details

The following sections describe each report in detail and with available metrics.

#### 4.3.1 Balances

BSP Forecast Analysis Page is the gateway to all BSP OOB Reports and related functionality of the Project. From this Page, you can navigate to other related Pages. The following content is related to the "Balances" Report Canvas.

On the header of the BSP Forecast Analysis Page, you can perform a filter option to streamline data as per your operational focus.

BSP Balances focus to provide information on current Positions and New Businesses using Ending Balance and Average Balances. Additionally, optional report drivers can be leveraged to further focus on Balance Sheet Forecasting "Balances" classified by Assets & Liabilities.



#### Figure 4-3 BSP Forecast Analysis - Balances

#### 4.3.2 Runoff Details

BSP Forecast Analysis Page is the gateway to all BSP OOTB Reports and related functionality of the Project. From this Page, you can navigate to other related Pages. The following content is related to the "Runoff Details" Report Canvas.

On the header of the BSP Forecast Analysis Page, you can perform a filter operation to streamline data as per your operational focus.

BSP Runoff Details focuses to provide information on current Positions and New Businesses using New Add Balance, Total Runoff, Payment Runoff, Maturity Runoff, Prepayment Runoff, Core Non-Maturity Runoff, and Volatile Non-Maturity Runoff. Additionally, optional report drivers can be leveraged to further focus on Balance Forecasting "Runoff Details" classified by Assets & Liabilities.





Figure 4-4 BSP Forecast Analysis – Runoff Details

#### 4.3.3 Net Interest Margin

BSP Forecast Analysis Page is the gateway to all BSP OOB Reports and related functionality of the Project. From this Page, you can navigate to other related Pages. The following content is related to the "Net Interest Margin" Report Canvas.

On the header of the BSP Forecast Analysis Page, you can perform a filter operation to streamline data as per your operational focus.

BSP Runoff Details focus to provide information on current Position and New business using Net Interest Margin, Interest Accrued, Transfer Rate Charge/Credit, Liquidity Adjustment Charge/Credit, Basis Risk Cost Charge/Credit, Pricing Incentive Charge/Credit, and Other Adjustment Charge/Credit. Additionally, Optional Report Drivers can be leveraged to further focus on Balance forecasting "Net Interest Margin" classified by Assets & Liabilities.





Figure 4-5 BSP Forecast Analysis – Net Interest Margin

#### 4.3.4 Ending Rates

BSP Forecast Analysis Page is the gateway to all the BSP OOB Reports and related functionality of the Project. From this Page, you can navigate to the other related Pages. The following content is related to the "Ending Rates" Report Canvas.

On the header of the BSP Forecast Analysis Page, you can perform a filter operation to streamline the data as per your operational focus.

BSP Runoff Details focus to provide the information on current Position and New business using Ending Net Interest Spread, Ending Net Rate, Ending Transfer Rate, Ending Liquidity Adjustment Rate, Ending Basis Risk Cost Rate, Ending Pricing Incentive Cost Rate, and Ending Other Adjustment Rate. Also, optional report drivers can be leveraged to further focus on Balance forecasting "Ending Rates" classified by Assets & Liabilities.





Figure 4-6 BSP Forecast Analysis – Ending Rates

#### 4.3.5 Average Rates

BSP Forecast Analysis Page is the gateway to all BSP OOB Reports and related functionality of the Project. From this Page, you can navigate to the other related Pages. The following content is related to the "Average Rates" Report Canvas.

On the header of the BSP Forecast Analysis Page, you can perform a filter operation to streamline data as per your operational focus.

BSP Runoff Details focuses to provide information on current Position and New business using Average Net Interest Spread, Average Net Rate, Average Transfer Rate, Average Liquidity Adjustment Rate, Average Basis Risk Cost Rate, Average Pricing Incentive Rate, and Average Other Adjustment Rate. Additionally, Optional Report Drivers can be leveraged to further focus on Balance Forecasting "Average Rates" classified by Assets & Liabilities.





Figure 4-7 BSP Forecast Analysis – Average Rates

#### 4.3.6 Funding Center IS (Income Statement)

BSP Forecast Analysis Page is the gateway to all the BSP OOB Reports and related functionality of the Project. From this Page, you can navigate to other related Pages. The following content is related to the "Funding Center IS" Report Canvas.

On the header of the BSP Forecast Analysis Page, you can perform a filter operation to streamline data as per your operational focus.

BSP Runoff Details focuses to provide information on Current Position and New Business IS Total FTP Charge Credit, IS Liquidity Adjustment Charge/Credit, IS Basis Risk Cost Charge/Credit, IS Pricing Incentive Charge/Credit, IS Other Adjustment Charge/Credit and IS Transfer Rate Charge/Credit. Additionally, Optional Report Drivers can be leveraged to further focus on Balance forecasting "Funding Center IS" classified by Assets & Liabilities.



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egai Entity etaut Haran			Legal Entry Al		Planning Ce 819P_ORD	inter Hierarc	thy Name	Planning C	enter Name	Product Hiera BIIP_COA	nchy Nam	Product Na	me Aa of D 90000	uste 17 dia do da - 5/30/2017 da da		ad Set Name IC.Set_FC_FINAL	1 Year 1 F	enod 4	> *
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unding Ce	ster Offsets	trend by I	Result Type	£.						0.6.4	· 71	Funding Center (	Diffuents trend Tot	of Business					
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Figure 4-8 BSP Forecast Analysis – Funding Center Income Statement

#### 4.3.7 Forecast Set Details

BSP Forecast Analysis Page is the gateway to all BSP OOB Reports and related functionality of the Project. From this Page, you can navigate to other related Pages. The following content is related to the "Forecast Set Details" Report Canvas.

On the header of the BSP Forecast Analysis Page, you can perform a filter operation to streamline data as per your operational focus.

gai Entity H but Harant		Name	Legal En	ity Name	Plannin BIP_OR	g Center Hiexarchy N ID	ame IP	lanning Cente	or Name	Product 800,000	Herarchy N	ame #Pt Al		As of Da		92017 (0.00.00		ast Set Name in_Set_FC, FN	Near AL 2018		Veriod 1	
recust Set	Details																					
is of Date		Percent 10	Period	Secold Secold	functed Set 0	Forecast Set	Forecast Rate Scenario 80	Forecast Rate Scenario Rame	Currency			Parrie B	Territoria Constant Martin	App Professioner Teleschick	Product BD	Product Name	Con Asses	Personal Licenses B	financial Desset	Read Type D	Revall Type	Financial Element Value
130-2011 130-305 M	2018	**	Jan .	a.	205200	Formcast_Set_FC, FINAL	1	Scenario1	1050	a	Ostault Moniper	9900	Funding Center1	COA.	30001	Mone Loso (Fised)	A5927	450	Transfer Rate Diarge/Credit		Current Position	-705.009466
E382647 100:05	2019	01	Jan .	Эř.	205208	Forecast_Set_FC, TINAL	1.	Scenario1	1950	38	Delaut Monter	8990	funding Center1	COA	30090	Nome Loss (Adjustable)	ABUT	450	Stander Rets Charge/Credit	8	Current Position	25.58566
1302017 100.08	2010	45	300	э.	205205	Forecast_Set_FC, FINAL	£0	Scenariori	190	14	Default Moniber	8993	Funding Canter1	COA	36963	Consumer	ASSET	490	Statular Rate Charge/Credit		Current Position	-255,2940
362047	2018	85	34.1	2	205200	Forecast_Md_FC, FINAL	<u>85</u>	Scenario1	1150	10	Orlault Morebai	1900	Funding Canter1	COA	58201	Wholsesale Tens Execut	LADLITY	410	Stanates Rate Charge/Credit	8.) - i	Current Position	0.0000
08.00	2018	01	24	4	205208	Forecast_Set_FC. FINAL	1	Scenariori	URD .		Oefault Moniber	8903	Panding Carriert	COA	neuro	Retail Term Deposit	LIABLITY	410	Stansfer Rate Charge/Credit	8	Carsent Position	0.0000
362647	2018		Jan	a.	395260	Funcast_bet_FC, FINAL	1	Scenaro1	0.90	a	Default Member	2000	Funding Center1	COA	80201	Retail CASA	LABLITY	458	Stansfer Bate Charge/Credit	8	Catteril Position	0.0000
30/2017	2018	01	an .	a .	201208	Forecast_Set_FC, FINAL	ŧ.,	Scenario1	090	4	Gefault Moniber	9900	Funding Center1	COA	00202	Wholesale CASA	LIABLITY	850	Stander Rate Charge/Credit		Current Ppailine	0.0000
30 (915 T	2018		244	201215	201208	Porncast_Set_FC, FINAL	1	Scenario1	930	ä	Default Moniber	esos	BR 1101 - Borth Avenue	008	30201	Home Loso (Fixed)	ASSO		Degening Ratece	•	Carrent Position	317.0680
50-2047 06:00	2010		${\mathcal M}_{\mathcal M}$	200205	205208	Forecast_Set_FC, FINAL	55	Scenario1	1150	4	Oxfault Morebox		BR 1101 - North Avenue	COA	30201	Home Loan (Freed)	ABUT	-	Exploring Exploring	1	New Doctors	PL35708
00.004/F	2013	91	341	200205	295208	Forecast_Set_FC, FINAL	с.	Scenario1	USD	54	Ovfault Member	1000	Not 1921 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET		Depinning Not Rate	¥7.	Current Position	13.74408
26/2017 00:00	2019		-	200205	201208	Forecast_Set_FC, FINAL	52	Scenario1	1950		Default Moniber	1000	NR 1901 - North Avenue	COA	30201	Home Loss (Fixed)	ASSET		Depinning Net Rate		New Dovinent	3.56708
30/20117 00:05	2019	81	200.1	201203	201200	Forecast_Net_FC, FINAL	τ.	Scenario1	110	a	Default Member	1919	BR 7911 - Borth Azenue	con	20201	Horns Lose (Field)	ANNT		Depinning Transfer Rate		Correct Position	8,25918
30120117 00.00	2019	81	200	201205	201200	Forecast_Set_FC. FINAL	6	transmit	880	4	Orfault Member	1901	BR 1925 - Rorth Avenue	coa	30401	Horse Loan (Fland)	ASSET		Regiming Standar Rate	1	New Duninese	2.53300
39/2017 00:08	2010	et	Jac'	200205	201208	Forecast_Set_FC, FINAL	е –	Scenario1	1990	54	Default Monder	1101	BR 1521 - Rorth Assesse	COA	30291	Home Loan (Fixed)	ASSET	10	Beginning Banis Risk Cost Rate	4	New Designation	26.37426
59/2617 00:00	2019	01	346.5	200205	205258	Forecast_Set_FC, FINAL	<u>e</u>	Semaior	1190	а	Default Member	6101	BR 1991 - Borth Avenue	COA	30201	Home Loan (Freed)	ASSET	н	Begenning Other Adjuntment Rate	•	New Dominant	206.75404
30.2847 80-58	2010	81	200	200205	205200	Firecast_Set_FC. FINAL	ę.	Scientist	880		Default Member	1001	BR 9921 - Roth Areture	coa	30201	Home Load (Fixed)	ASSET	100	Ending Balance		Current Position	343,23478
50/2017 50:05	2018	11	341	200205	201204	Forecast, Set, FC, FINAL	e	Scenario1	1990		Default	5905	BR 1991 - Borth Assetue	COA	30201	Home Loss	ABSC	100	Entrop Batance	1	New Detailers	16.00020

Figure 4-9 BSP Forecast Analysis – Forecast Set Details



In addition to Mandatory Report Drivers and Optional Report Drivers in the Forecast Set Details Report, we can select granular "Financial Element ID" and "Financial Element Name" as shown on the following screenshot.

BSP_COA	lierarchy	Name	Product N	Name	As of Date 9/30/2017 00	00:00 - 9/30/2017 00:00		Forecast Set		¥ Year 2019	Peri Al	od For Al	ecast Rate S	cenario Name	Curren All	cy Resul	t Type F	inancial Elem	ent ID F	nancial Eler	nent	ŋ
recast Set	Details																		5	ara q	1 1	Nections T
Ls of Date	Year	Period	Period	Result Sys ID	Forecast Set ID	Forecast Set	Forecast Rate Scenario	Forecast Rate Scenario	Сипенсу	Legal Entity	Legal Entity	Planning Center ID	Planning Center	App Preference	Product	Product	Flag Asset or Lubility	Financial Element	Fina	erage Uther A	- 1	
2:00:00	2019	01	Jan	4	200260	Forecast_Set_FC,		Name Scenario1	USD	-0	Default	1103	Name Funding	Selection	30201	Home Loan	ASSET	1D 450	Tracel	erage Pricing		
(30/2017 :00:00	2019	01	Jan	4	200260	FINAL Forecast_Set_FC, FINAL	4	Scenario1	USD	4	Member Default Member	1103	Center1 Funding Center1	COA	20202	(Fixed) Home Loan (Adjustable)	ASSET	450	Transfe	erage Transfe		
30/2017	2019	01	Jan	4	200260	Final Forecast_Set_FC, FINAL	1	Scenario1	USD	4	Default Member	1103	Center1 Funding Center1	COA	30203	(Adjustable) Consumer Loan	ASSET	450	Transfe	sance before		
130/2017 100:00	2019	01	Jan	-1	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	4	Default	1103	Funding Center1	COA	50201	Wholsesale Tecm	LIABILITY	450	Transfe	store Repricin		
00:00	2019	01	Jan	4	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	л	Default Member	1103	Funding Center1	COA	50202	Deposit Retail Term Deposit	LIABILITY	450	Transfe	nore Repricin		
(30/2017 500:00	2019	01	Jan	а	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1103	Funding Center1	COA	60201	Retail CASA	LIABILITY	450	Transfe « Charge			
30/2017 00:00	2019	01	Jan	.4	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	А	Default Member	1103	Funding Center1	COA	60202	Wholesale CASA	LIABILITY	450	Transfer S Charge	elect All	- 18	Deselect All
(30/2017 :00:00 A	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	4	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	60	Beginning Balance	0	Current Position	317.96898
(30/2017 :00:00 4	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	сол	30201	Home Loan (Fixed)	ASSET	60	Beginning Balance	1	New Business	71.35708
30:2017 00:00	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	uso	a	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	80	Beginning Ne Rate	•	Current Position	13.74408
(30/2017 :00:00	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	80	Beginning Ne Rate	1	New Business	3.56788
(30/2017 00:00	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	4	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	90	Begisning Transfer Rate	0	Current Position	9.2591M
30/2017	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	90	Beginning Transfer Rate	1	New Business	2.53328
(30/2017 (00:00	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	92	Beginning Basis Risk Cost Rate	1	New Business	24.97499
(30/2017 :00:00	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	я	Beginning Other Adjustment Rate	1	New Business	356.78499
30/2017 00:00	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	сол	30201	Home Loan (Fixed)	ASSET	100	Ending Balance	0	Current Position	313.2367M
30/2017 00:00	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	a	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	100	Ending Balance	1	New Business	76.0892M

#### Figure 4-10 BSP Forecast Analysis – Financial Element ID and Name

The Forecast Set Details Report supports the need for the end-user to download granular Financial Elements, before usage of both Mandatory Report Drivers and Optional Report Drivers, to work with the desired set outside of the BI Application UI.

The following screenshot describes the procedure to download the Forecast Set Details to a CSV file.

- 1. Click the **Export** button on the top right-hand side.
- 2. Select the File option in the prompted pane.
- 3. Select Data (CSV) for the format option.
- 4. Click **Save** and retrieve the downloaded file.



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		Name	Product Na	me	As of Date			Forecast Set		¥ Year	F Peri		recast Rate S	icenario Name			t Type	Financial Elem	ent Export			
BSP_COA			Al		9/30/2017 00	00.00 - 9/30/2017 00:00	00	Forecast_Set_F	C, FINAL	2019	Al	Al			All	All	1	1	-	B		
orecast Set	Details																	2	714	Pret		
As of Date		Period ID	Period	Result Sys ID	Forecast Set ID	Forecast Set Name	Forecast Rate Scenario ID	Forecast Rate Scenario Name	Currency	Legal Entity ID	Legal Entity Name	Planning Center ID	Planning Center Name	App Preference Selection	Product ID	Product Name	Flag Asset or Liability	Financial Element 10	Element	rvesult Type ID	Result Type	Financial Element Value
9/30/2017 2:00:00	2019	01	Jan	a -	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	a	Default Member	1103	Funding Center1	COA	30201	Home Loan (Fixed)	ASSET	450	Transfer Rate Charge/Credit	0	Current Position	-765.6994
9/30/2017 2:00:00 M	2019	01	Jan	4	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	d.	Default Member	1103	Funding Center1	COA	30202	Home Loan (Adjustable)	ASSET	450	Transfer Rate Charge/Credit	0	Current Position	-26.6066
1/30/2017 2:00:00 M	2019	01	Jan	4	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	4	Default. Member	1103	Funding Center1	COA	20203	Consumer Loan	ASSET	450	Transfer Rate Charge/Credit	0	Current Position	-255.290
N30/2017 2:00:00 M	2019	01	Jan	4	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	4	Default Member	1103	Funding Center1	COA	50201	Wholsesale Term Deposit	LIABILITY	450	Transfer Rate Charge/Credit	0	Current Position	0.000
N30/2017 2:00:00 M	2019	01	Jan	4	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	a	Default Member	1103	Funding Center1	COA	50202	Retail Term Deposit	LIABILITY	450	Transfer Rate Charge/Credit	0	Current Position	0.000
N30/2017 2:00:00	2019	01	Jan	a.	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1103	Funding Center1	COA	60201	Retail CASA	UABILITY	450	Transfer Rate Charge/Credit	0	Current Position	0.000
130/2017 1:00:00 M	2019	01	Jan	4	200200	Forecast_Set_FC, FINAL	1	Scenario1	USD	4	Default Member	1103	Funding Center1	COA	60202	Wholesale CASA	LIABILITY	450	Transfer Rate Charge/Credit	0	Current Position	0.00
130/2017 1:00:00 M	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	л	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	60	Beginning Balance	0	Current Position	317.9680
N30/2017 2:00:00 M	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	¥	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	60	Beginning Balance	1	New Business	71.3570
(30/2017 500:00	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	8	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	80	Beginning Net Rate	0	Current Position	13.7440
(30/2017 :00:00	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	А	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	80	Beginning Net Rate	1	New Business	3.5671
1/30/2017 1:00:00 M	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	соа	30201	Home Loan (Fixed)	ASSET	90	Beginning Transfer Rate	0	Current Position	9.2591
N30/2017 2:00:00 M	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	л.	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	90	Beginning Transfer Rate	1	New Business	2.5332
N30/2017 2:00:00 M	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	92	Beginning Basis Risk Cost Rate	1	New Business	24.974
130/2017 1:00:00 M	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	а	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	94	Beginning Other Adjustment Rate	1	New Business	356.7840
9/30/2017 2:00:00 M	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	USD	4	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	100	Ending Balance	0	Current Position	313.2367
9/30/2017 2:00:00 M	2019	01	Jan	200265	200260	Forecast_Set_FC, FINAL	1	Scenario1	uso	л	Default Member	1101	BR 1101 - North Avenue	COA	30201	Home Loan (Fixed)	ASSET	100	Ending Balance	1	New Business	76.0892

Figure 4-11 Forecast Set Details Report

Balances Runoff Details Net Interest Margin Ending Rates Average Rates Funding Center IS Forecast Set Details

1001 - Rows, 23 Col... 🚺 💈 🔲 🗉

# 5 BSP BI Report Custom Configuration

This section describes the operations required to extend the default BSP BI Report Navigation Levels of the Hierarchies described in the previous chapter Use Report Hierarchical Levels as per your Organization's requirements.

## 5.1 Defaulted Hierarchical levels

The defaulted Optional Report Drivers for the following Hierarchies are available up to level 10.

- Legal Entity Hierarchy
- Planning Center Hierarchy
- Product Hierarchy

The same can be extended to the maximum permissible level of 20 as described in the following section.

Note that whenever a Hierarchical Level Value is not available, then Leaf Level Dimension Value is repeated for all subsequent levels till the 20th.

## 5.2 Amend Default Hierarchical levels

The following section describes the steps to amend the BSP BI Report Navigation Levels of the Hierarchies described in the previous chapter Use Report Hierarchical Levels.

The changes are required to the following Report Canvases (note that there are no hierarchies available in the "Forecast Details" Report Canvas and therefore, no changes are required on it):

- Balances required changes to the following variable prompt charts:
  - Select Legal Entity Hierarchy Level
  - Select Planning Center Hierarchy Level
  - Select Product Hierarchy Level
- Runoff Details required changes to the following variable prompt charts:
  - Select Legal Entity Hierarchy Level
  - Select Planning Center Hierarchy Level
  - Select Product Hierarchy Level
- Net Interest Margin required changes to the following variable prompt charts:
  - Select Legal Entity Hierarchy Level
  - Select Planning Center Hierarchy Level
  - Select Product Hierarchy Level
- Ending Rates required changes to the following variable prompt charts:



- Select Legal Entity Hierarchy Level
- Select Planning Center Hierarchy Level
- Select Product Hierarchy Level
- Average Rates required changes to the following variable prompt charts:
  - Select Legal Entity Hierarchy Level
  - Select Planning Center Hierarchy Level
  - Select Product Hierarchy Level
- Funding Center IS required changes to the following variable prompt charts:
  - Select Legal Entity Hierarchy Level
  - Select Product Hierarchy Level

The following is an example of how to perform these changes for Report Canvas "Balance", the same procedure must be followed for all the others Report Canvases as mentioned in the above list.

Select the variable prompt chart "Select Legal Entity Hierarchy Level" and from the bottom, left-hand-side Toggle Data Panel edit the desired number of level list in the section "Values (example 10, 20 or Product, Item and so on)" as shown in the following picture.

For example, if the required level list has to be amended up to the maximum permissible 20th level, then use the following string to apply this change:

Legal Entity Name L1,Legal Entity Name L2,Legal Entity Name L3,Legal Entity Name L4,Legal Entity Name L5,Legal Entity Name L6,Legal Entity Name L7,Legal Entity Name L8,Legal Entity Name L9,Legal Entity Name L10,Legal Entity Name L11,Legal Entity Name L12,Legal Entity Name L13,Legal Entity Name L14,Legal Entity Name L15,Legal Entity Name L16,Legal Entity Name L17,Legal Entity Name L18,Legal Entity Name L19,Legal Entity Name L20,Legal Entity Name Leaf

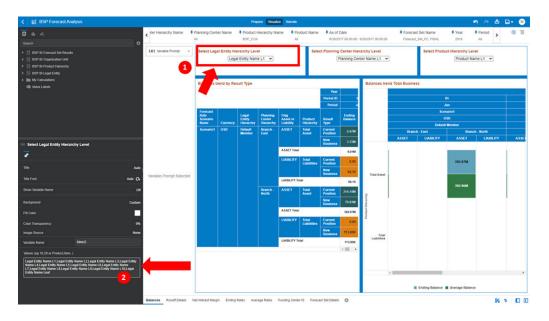


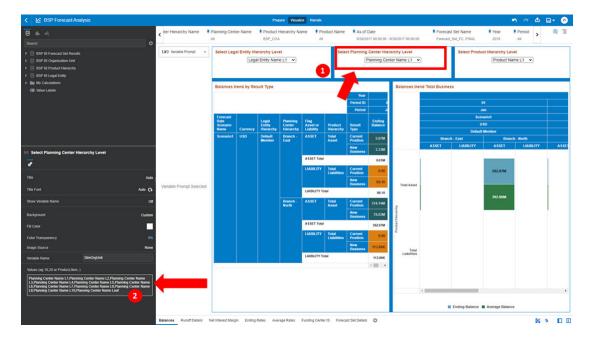
Figure 5-1 Select Legal Entity



Select the variable prompt chart "Select Planning Center Hierarchy Level" and from the bottom, left-hand-side Toggle Data Panel edit the desired number of level list in the section "Values (example 10, 20 or Product, Item and so on)" as shown in the following picture.

For example, if the required level list has to be amended up to the maximum permissible 20th level use the following string to apply this change:

Planning Center Name L1, Planning Center Name L2, Planning Center Name L3, Planning Center Name L4, Planning Center Name L5, Planning Center Name L6, Planning Center Name L7, Planning Center Name L8, Planning Center Name L9, Planning Center Name L10, Planning Center Name L11, Planning Center Name L12, Planning Center Name L13, Planning Center Name L14, Planning Center Name L15, Planning Center Name L16, Planning Center Name L17, Planning Center Name L18, Planning Center Name L19, Planning Center Name L20, Planning Center Name Laf



#### Figure 5-2 Select Planning Center Hierarchy Level

Select the variable prompt chart "Select Product Hierarchy Level" and from the bottom, lefthand-side Toggle Data Panel edit the desired number of level list in the section "Values (example 10, 20 or Product, Item and so on)" as shown in the following picture.

For example, in case the required level list has to be amended up to the maximum permissible 20th level use the following string to apply this change:

Product Name L1, Product Name L2, Product Name L3, Product Name L4, Product Name L5, Product Name L6, Product Name L7, Product Name L8, Product Name L9, Product Name L10, Product Name L11, Product Name L12, Product Name L13, Product Name L14, Product Name L15, Product Name L16, Product Name L17, Product Name L18, Product Name L19, Product Name L20, Product Name Leaf



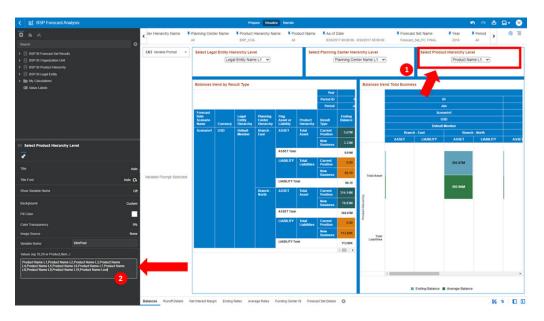


Figure 5-3 Select Product Hierarchy Level

