HP IT Executive Scorecard

Software Version: 9.50
Windows ® operating system

Content Reference Guide for the Integration with HP Operation Orchestration

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Contents

OO Data Source - Integration, Associated Contexts, KPIs, Metrics, and Data Lineage 5
OO Data Source 6
OrchestrationAutomation Context 13
Monthly ROI Metric 18

Send Documentation Feedback 19

OO Data Source - Integration, Associated Contexts, KPIs, Metrics, and Data Lineage

This document describes the integration, contexts, KPIs, Metrics, data lineage, and reports associated with the integration with the HP Operation Orchestration data source.

HP Operations Orchestration (HP OO) is a system for creating and using actions in structured sequences (called flows) that maintain, troubleshoot, repair, and provision your Information Technology (IT) resources by:

- Checking the health of, diagnosing, and repairing networks, servers, services, software applications, or individual workstations.
- Checking client, server, and virtual machines for needed software and updates and, if needed, performing the needed installations, updates, or distributions.
- Performing repetitive tasks such as checking status on internal or external Web site pages.

Note: Information about the ALT data source and more general content issues are detailed in the *IT Executive Scorecard Content Reference Guide for the Integration of Alternate Data Sources*.

Data Lineage

For details on how to understand the data lineage graph, see Data Lineage in the *IT Executive Scorecard Content Reference Guide*

OO Data Source

The purpose of the integration of OO as a data source is to bring this information into the Data Warehouse.

To access:

Select **Admin > Data Source Management** then click **Add data source** and select **OO** to activate the integration processes for the **OO** data source.



Learn More

Content Packs and their functionality

To learn about Content Packs and their functionality, see Data Source Management in the *IT Executive Scorecard Administrator Guide*.

Important Information

- The OO Content Pack supports multiple instances.
- **FBI Integration:** An extractor using the File Based Integration mechanism that extracts entities from the source and generates corresponding flat files. For details see File Based Integration (FBI) in the *IT Executive Scorecard Administrator Guide*.
- All fields are case-sensitive.

Tasks

Activate the Integration

1. Select **Admin** > **Data Source Management** then click **Add data source**.
2. The Add Data Source page opens. Select the **OO** data source type.
3. Select or enter the configuration parameters.
4. Click **Next** to proceed to the validation page.

Note: To perform configuration and activation tasks using the Automation tool, see The Automation Tool in the *IT Executive Scorecard Administrator Guide*.

UI Description

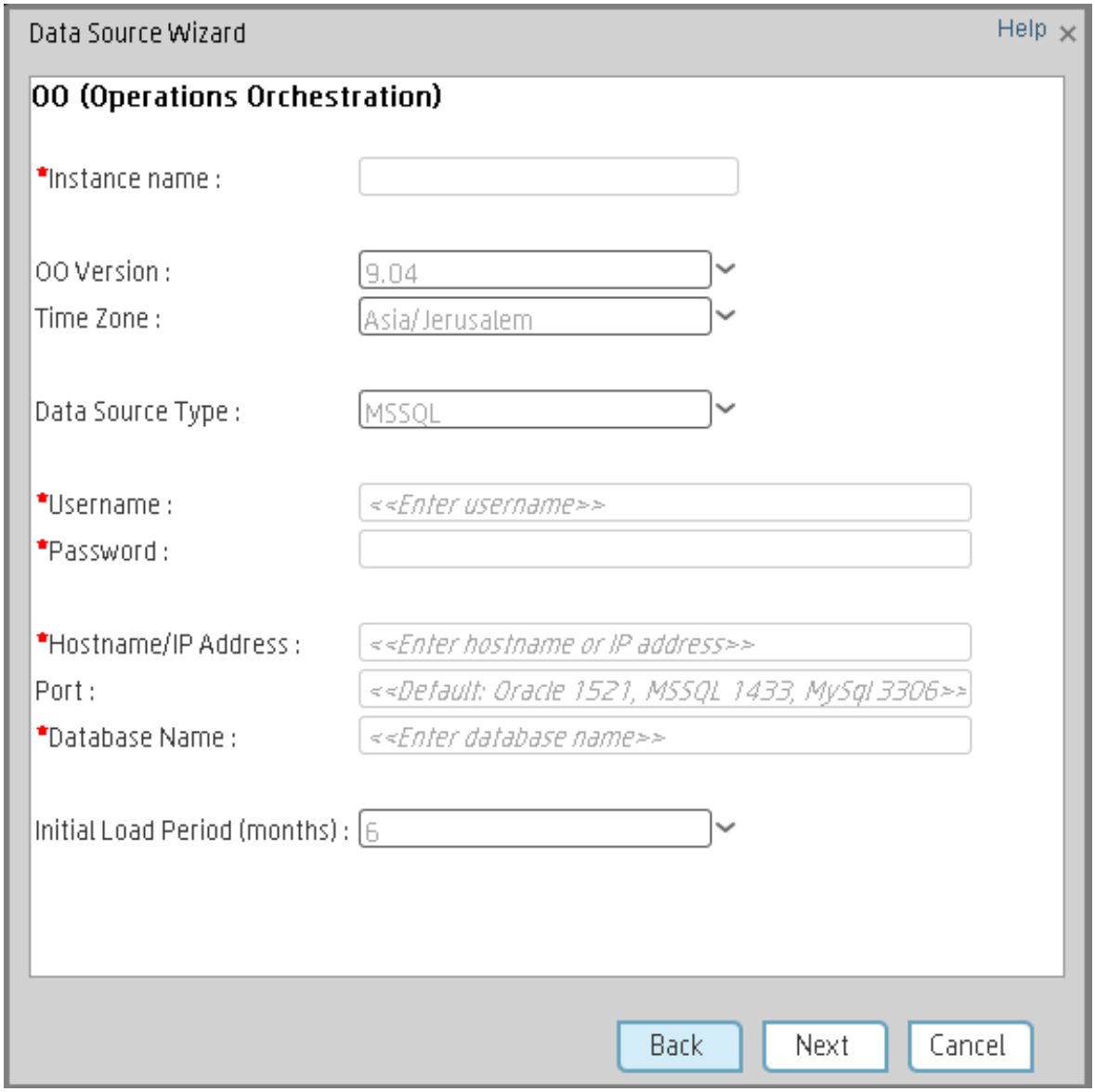
OO Activation Page

User interface elements are described below:

For the SQL server:

> **Note:** If the OO configuration is for a named instance connection, make sure to enter the named instance port.

The following is an example of the OO Activation page for an MS SQL server.

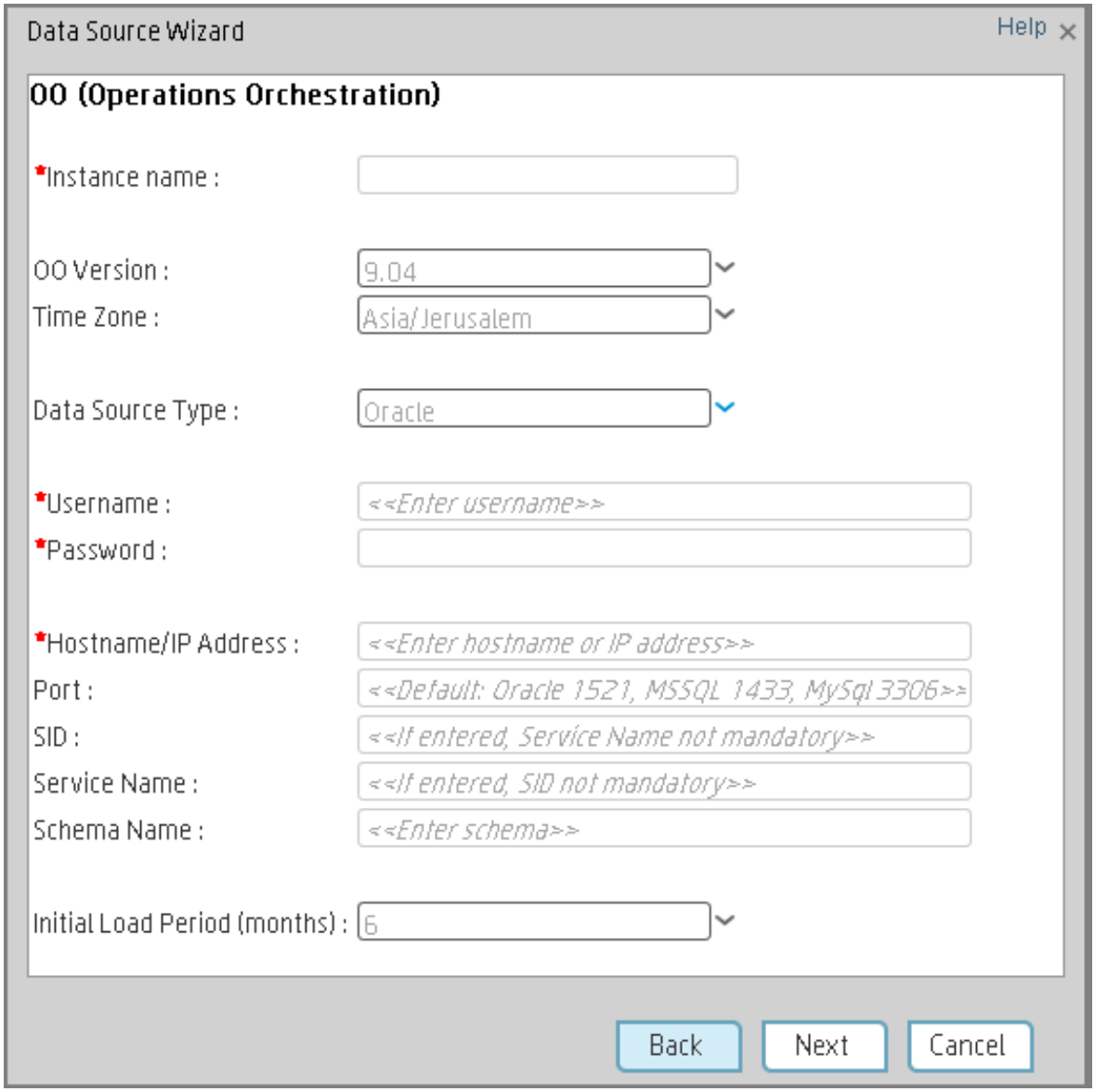


UI Element	Description
Instance name	Enter a name for the data source instance you are activating.
OO Version	Select the relevant OO version. For details, see the *IT Executive Scorecard Support Matrix*.
Time Zone	Select the time zone for the data source.
Data Source Type	OO should be configured to run on an SQL Server.
Username	Enter your username used to log on to the OO database.
Password	Enter your password used to log on to the OO database.
Hostname/IP Address	Enter the SQL server database hostname or IP address.
Port	Port for database connections.
Database Name	Enter the database name used by OO.
Initial Load Period (months)	Select the number of months from which you want the initial data loaded.

For the Oracle Server:

Note: The Oracle database can have both Server ID (SID) and Service Name properties, but the user should specify only one. If you define the SID, then the SID is used, and if you define Service Name, then Service Name is used. If you define both in the UI, only SID is used.

The following is an example of the OO Activation page for an Oracle server.

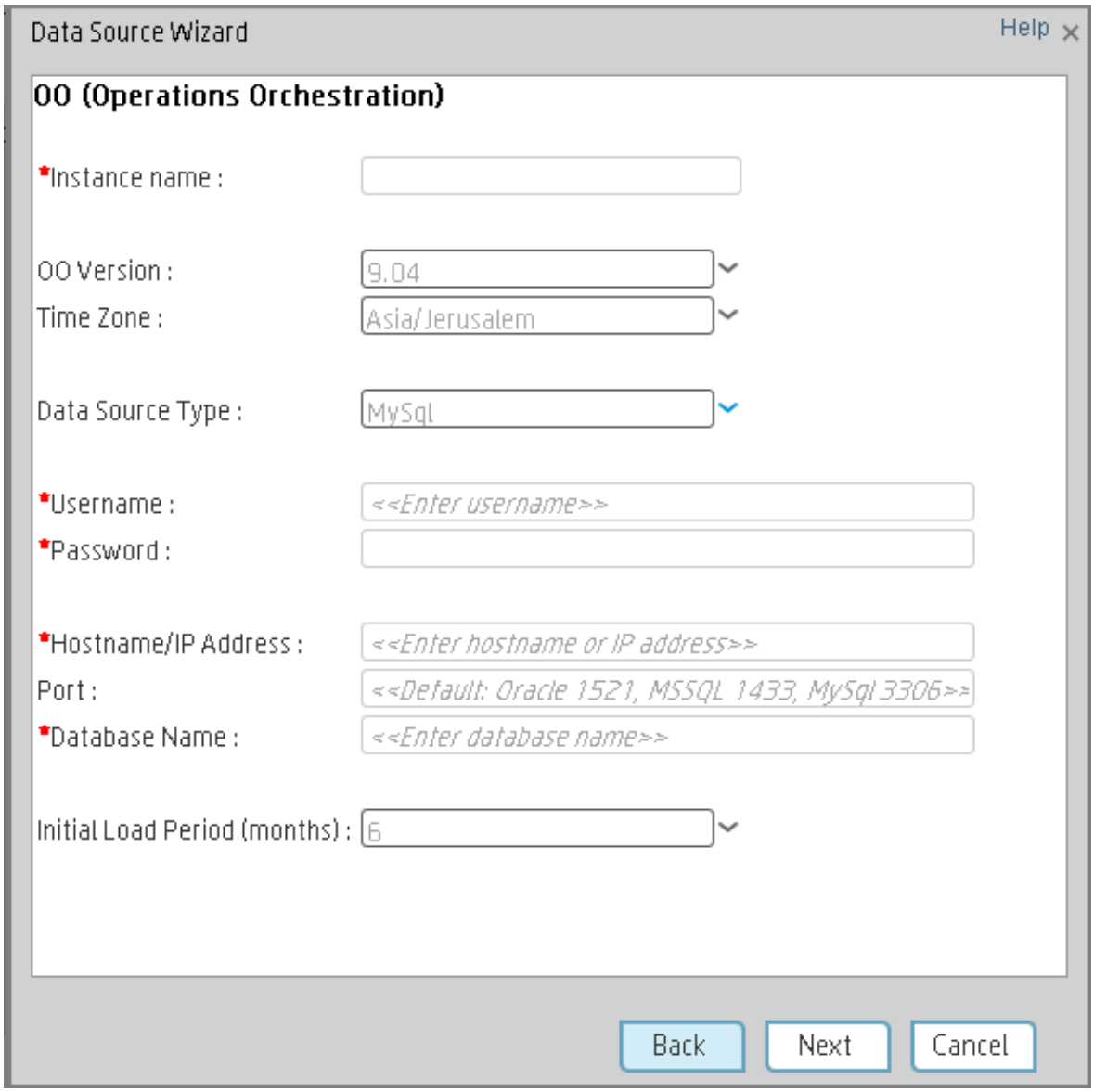


UI Element	Description
Instance name	Enter a name for the data source instance you are activating.
OO Version	Select the relevant OO version. For details, see the *IT Executive Scorecard Support Matrix*.
Time Zone	Select the time zone for the data source.
Data Source Type	OO should be configured to run on an Oracle server.
Username	Enter your username used to log on to the OO database.

UI Element	Description
Password	Enter your password used to log on to the OO database.
Hostname/IP Address	Enter the Oracle server hostname or IP address.
SID	Enter the unique name of the database.
Service Name	Enter the alias used when connecting.
Schema Name	Enter the name of the Schema.
Initial Load Period (months)	Select the number of months from which you want the initial data loaded.

For the MySQL Server:

The following is an example of the OO Activation page for a MySQLserver.



UI Element	Description
Instance name	Enter a name for the data source instance you are activating.
OO Version	Select the relevant OO version. For details, see the *IT Executive Scorecard Support Matrix*.
Time Zone	Select the time zone for the data source.
Data Source Type	OO should be configured to run on a MySQL server.

UI Element	Description
Username	Enter your username used to log on to the OO database.
Password	Enter your password used to log on to the OO database.
Hostname/IP Address	Enter the MySQL server hostname or IP address.
Port	Port for database connections.
Database Name	Enter the database name used by OO.
Initial Load Period (months)	Select the number of months from which you want the initial data loaded.



Reference

List of Entities

List of Entities in Excel format

This document is available in the PDFs directory in the Installation DVD, is accessible from the Help Center page in the online Help Center (documentation library), or from the HP Software Product Manual Site (http://h20230.www2.hp.com/selfsolve/manuals).

OrchestrationAutomation Context

HP Operation Orchestration (OO) is an HP software product designed to help reduce operational costs and improve service quality by automating routine IT tasks, such as repetitive maintenance, change provisioning, and incident resolution.

The OrchestrationAutomation universe contains information on the entities related to benefits from Automated Orchestration.

To access:

In Executive Scorecard, click **Admin > Semantic Layer > Semantic Layer**. In the Context Management page, click **Launch Context Designer**. In the Context Designer page, click **Open an existing context**, and select the Context.



Learn More

The MONTHLY_ROI Metric was created from the OrchestrationAutomation universe to show monthly ROI.

Tip: To view weekly or yearly ROI data, clone the monthly Metric and change its periodicity.

Tasks

Display the Context

1. In Executive Scorecard, click **Admin > Semantic Layer > Semantic Layer**. The Context Management page opens.
2. The list of out-of-the-box Contexts is displayed.
3. Click **Launch Context Designer**.
4. In the Context Designer page that opens, click **Open an existing context**.
5. Select the relevant Context.

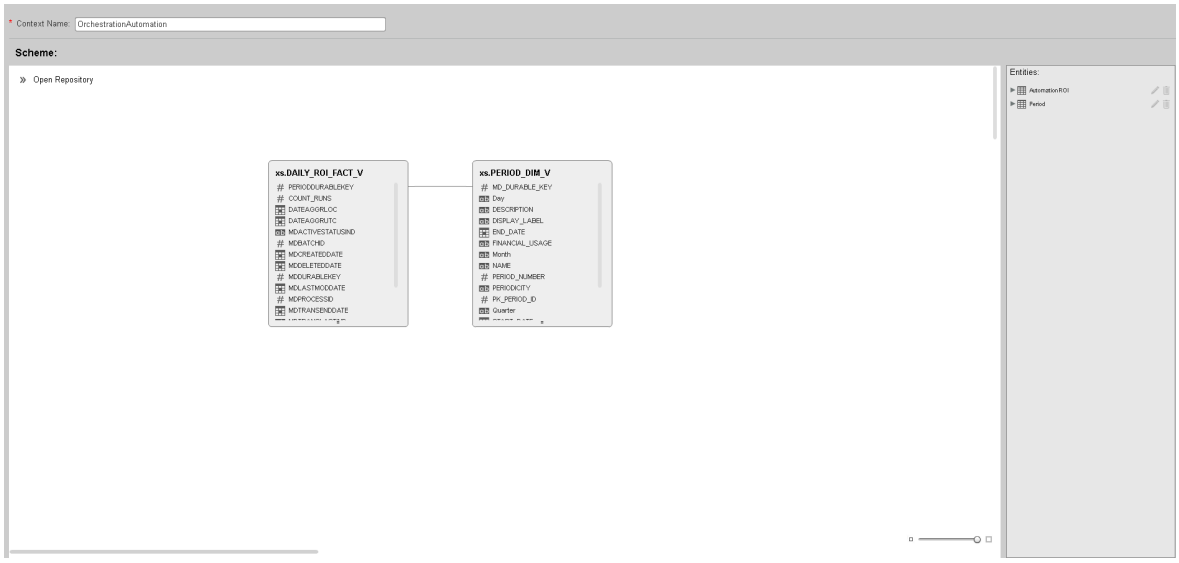
   The structure of the Context is displayed.

For additional details about Context Designer, see Semantic Layer - Context Designer in the *IT Executive Scorecard Administrator Guide*.

Reference

Context Tables and Structure

The context includes the following tables and relationships:



Statistics

Entity Count	Field Count	Table Count	Alias Count	Join Count
2	16	2		1

Model Structure

The table lists all the views and fields included in the model even when the corresponding objects have not been selected to be part of the corresponding Context.

Table Name	Name	Type
XS.DAILY_ROI_FACT_V	COUNT_RUNS	numeric
XS.DAILY_ROI_FACT_V	DATEAGGRLOC	datetime
XS.DAILY_ROI_FACT_V	DATEAGGRUTC	datetime
XS.DAILY_ROI_FACT_V	MDACTIVESTATUSIND	nvarchar
XS.DAILY_ROI_FACT_V	MDBATCHID	numeric
XS.DAILY_ROI_FACT_V	MDCREATEDDATE	datetime

Table Name	Name	Type
XS.DAILY_ROI_FACT_V	MDDELETEDDATE	datetime
XS.DAILY_ROI_FACT_V	MDDURABLEKEY	numeric
XS.DAILY_ROI_FACT_V	MDLASTMODDATE	datetime
XS.DAILY_ROI_FACT_V	MDPROCESSID	numeric
XS.DAILY_ROI_FACT_V	MDTRANSENDDATE	datetime
XS.DAILY_ROI_FACT_V	MDTRANSLASTIND	nvarchar
XS.DAILY_ROI_FACT_V	PERIODDURABLEKEY	numeric
XS.DAILY_ROI_FACT_V	PERIODID	numeric
XS.DAILY_ROI_FACT_V	PKDAILYROIID	numeric
XS.DAILY_ROI_FACT_V	TOTALROI	float
XS.PERIOD_DIM_V	Day	nvarchar
XS.PERIOD_DIM_V	DESCRIPTION	nvarchar
XS.PERIOD_DIM_V	DISPLAY_LABEL	nvarchar
XS.PERIOD_DIM_V	END_DATE	datetime
XS.PERIOD_DIM_V	FINANCIAL_USAGE	nvarchar
XS.PERIOD_DIM_V	MD_DURABLE_KEY	numeric
XS.PERIOD_DIM_V	Month	nvarchar
XS.PERIOD_DIM_V	NAME	nvarchar
XS.PERIOD_DIM_V	PERIODICITY	nvarchar
XS.PERIOD_DIM_V	PERIOD_NUMBER	numeric
XS.PERIOD_DIM_V	Quarter	nvarchar
XS.PERIOD_DIM_V	START_DATE	datetime
XS.PERIOD_DIM_V	Week	nvarchar
XS.PERIOD_DIM_V	Year	nvarchar
XS.PERIOD_DIM_V	Year_Number	numeric

Object List

The table lists all the entities and fields of the model that were selected to be part of the Context.

Entity Name	Field Name	Source Table Name	Alias Table Name	DB Column Name	Field Type
AutomationROI	COUNTRUNS	XS.DAILY_ROI_FACT_V		COUNT_RUNS	NUMERIC
AutomationROI	TOTALROI	XS.DAILY_ROI_FACT_V		TOTALROI	NUMERIC
Period	Day	XS.PERIOD_DIM_V		Day	STRING
Period	Description	XS.PERIOD_DIM_V		DESCRIPTION	STRING
Period	DisplayLabel	XS.PERIOD_DIM_V		DISPLAY_LABEL	STRING
Period	EndDate	XS.PERIOD_DIM_V		END_DATE	DATE
Period	FinancialUsage	XS.PERIOD_DIM_V		FINANCIAL_USAGE	STRING
Period	Month	XS.PERIOD_DIM_V		Month	STRING
Period	Name	XS.PERIOD_DIM_V		NAME	STRING
Period	Periodicity	XS.PERIOD_DIM_V		PERIODICITY	STRING
Period	PeriodNumber	XS.PERIOD_DIM_V		PERIOD_NUMBER	NUMERIC
Period	Quarter	XS.PERIOD_DIM_V		Quarter	STRING
Period	StartDate	XS.PERIOD_DIM_V		START_DATE	DATE
Period	Week	XS.PERIOD_DIM_V		Week	STRING
Period	Year	XS.PERIOD_DIM_V		Year	STRING

Entity Name	Field Name	Source Table Name	Alias Table Name	DB Column Name	Field Type
Period	YearNumber	XS.PERIOD_ DIM_V		Year_Number	NUMERIC

Monthly ROI Metric

Component Type	Metric
Business Questions	N/A
Business Objective	N/A
Description	Measure the Automation monthly ROI (return on investment)
Context	OrchestrationAutomation
Data source	OO (Operation Orchestration)
Formula	SUM(AutomationROI.TOTALROI , PERIOD_ENTITY=Period)
KPI Formula Filter	N/A
Unit Type	US$
Time Period	Monthly
Direction	N/A
Thresholds	N/A
Release	9.30

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