

Hewlett-Packard

OpenView



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**SD-SLM
Reporting
DataWarehouse
Schema**

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1 Introduction

The purpose of the Product Specifications Phase is:

- 80 • To determine which key attributes from the Product Requirements will be implemented in the product. The Product Requirements represent the complete set of customer needs. The Product Specifications document is a detailed subset of the Product Requirements, based on resources and other constraints.
- To translate the selected subset of the Product Requirements into Product Specifications used by engineers, writers, and other team members during the project.
- 85 • To describe:
 - Product deliverables
 - Capabilities
 - Features
 - Functionality
 - Quality
 - 90 • Performance.
- To define minimum ship criteria, product volumes, and any other factors required by the product team.

95 The Product Specifications document definitively describes in measurable terms the goals, capabilities, and external characteristics of a software product. It is development team's commitment of what will be build.

The Product Specifications document responds to the Product Requirements document. It:

- Is the input for product design work
- Helps to identify the tasks involved in creating the product
- 100 • Is used to estimate the resources needed to deliver the product
- Is used as a measure against which the product is evaluated

This document should include, at least:

- 105 • Functional Description of High-Level Pieces
- Capabilities, Functions, Features and Option Support
- Prioritize these, ranking each one as the following:
 - Goal
 - Non-goal (postponed and waiting-list)
- 110 • Identify all the interfaces that require a specification to be written to assure interoperability and for concurrent engineering
- Map of Product Requirements to Product Specifications
- Show how the Product Specifications address each retained requirement
- Identify all the requirements that are not covered by the Product Specifications
- Restriction and Assumption from Product Requirements

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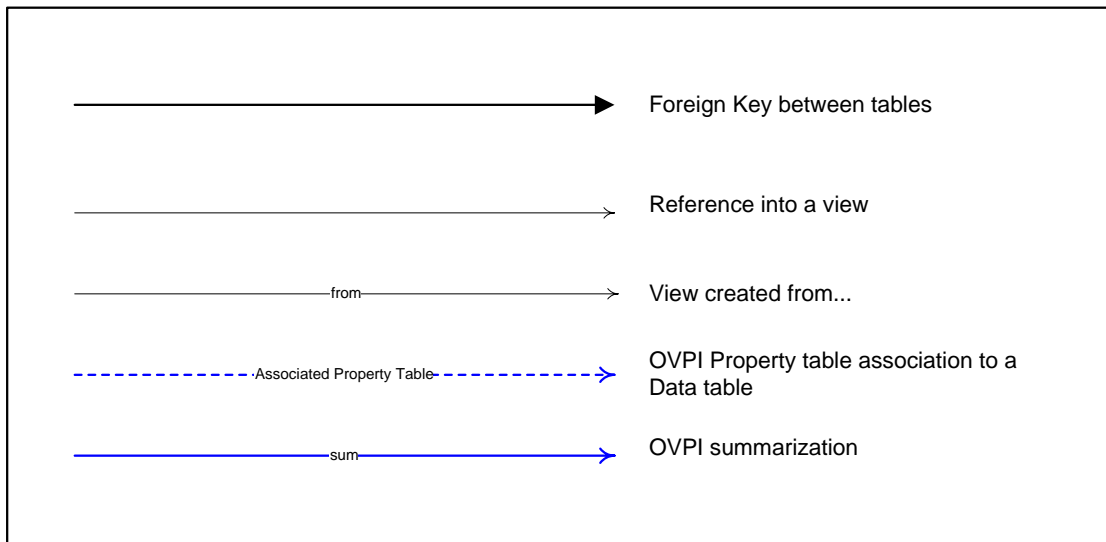
Revision Control

120 This document defines the contents of the product. Application of Documentation Control Procedure (TE-PRO-0016) is vital for the project; after it has been finalized and approved, the Product Specifications are frozen. All change must apply the Project Change Control procedure (TE-PRO-0012).

- The project team cannot add functionality that was not listed in the Product Specifications.
 - The project team cannot delete or reduce functionality that has been listed as a goal.
 - The project team cannot change the category of functionality after the Product Specifications have been frozen (for example, a goal requirement cannot be reclassified as a non-goal requirement and vice versa).
- 125

130 The Product Specifications document is the result of the study of the User Requirements detailed in the Product Requirements document [A1]. Once finalized, the Product Specifications are the main input to update the first version of Engineering Project Plan document that gathers the deliverables, milestones and costs.

1.1 Terms and acronyms



SLM_K_SLA	
PK,FK3	<u>DSI_KEY_ID</u>
U1	OID NAME DESCRIPTION EVALUATIONPERIOD STARTDATE ENDDATE PAYINGENTITY_REF FK1 FK2 CRM_REF ISACTIVATED ISBLOCKED ISDELETED

Property Table
(Dimension)

SLM_KV_SLA	
	DSI_KEY_ID SLAOID SLANAME DESCRIPTION STARTDATE ENDDATE EVALUATIONPERIOD PAYINGENTITY_REF CRM_REF SERVICELEVEL_REF PAYINGENTITYNAME SERVICELEVELNAME CRMNAME PAYINGENTITYOID

View

SLM_R_SLA	
PK,U1	<u>DSI_KEY_ID</u>
PK,U1	<u>TA_PERIOD</u>
FK1	TA_SAMPLES COMPLIANCESTATUS PREDCOMPSTATUS DSI_KEY_ID

Data Table
(Fact)

SLM_SD_SLA	
PK,U1	<u>DSI_KEY_ID</u>
PK,U1	<u>TA_PERIOD</u>
	DELTA_TIME TA_SAMPLES TOTAL_SAMPLES TOTVIOLATIONSECS TOTJEOPARDYSECS TOTCOMPLIANCESECS

Summarized Data Table

SLM_STAG_SLA	
PK	<u>OID</u>
	TIMESTAMP DEL_FLAG COMP_STATUS PRED_COMP_STATUS

Staging Table

135

Term	Description

Table 1: Terms and Acronyms

140 **2 Reference and Associated Documents**

2.1 Reference Documents

□

2.2 Associated Documents

145 □

3 Executive Summary

3.1 Context

This document specifies the SD/SLM Data warehouse schema based on OpenView Performance Insight (OVPI).

150 This document describes:

- The Dimensions (Property tables) that contain all the SD/SLM Service model (SLA, Service, SLO, ... definitions) configured into data warehouse/reporting solution.
- The Facts (Data tables) that contain all the metrics collected or calculated by SLM Core and published to the data warehouse/reporting solution.

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- The Summarized tables, that contain aggregated metric values.
- The views based on Facts and Dimension tables, useful to provide adhoc information directly exploitable into reports (with the OVPI Report Builder)
- The data flow between SLM core and the Data Warehouse., and inside the Data Warehouse (Staging and summarization mechanisms).

160 This document does not describe:

- The SLM default report pack (set of off-the-self reports) and the reports themselves
- The communication protocol between SLM and the data warehouse/reporting solution.

4 Data Warehouse schema

4.1 Overview

The following schema gives an overview of the SD/SLM data warehouse structures. Only the main Fact tables (orange color) and Dimension tables (blue color) are represented.

In the next chapters, the data warehouse schema has been split into area of interest and more details on tables and view is given.

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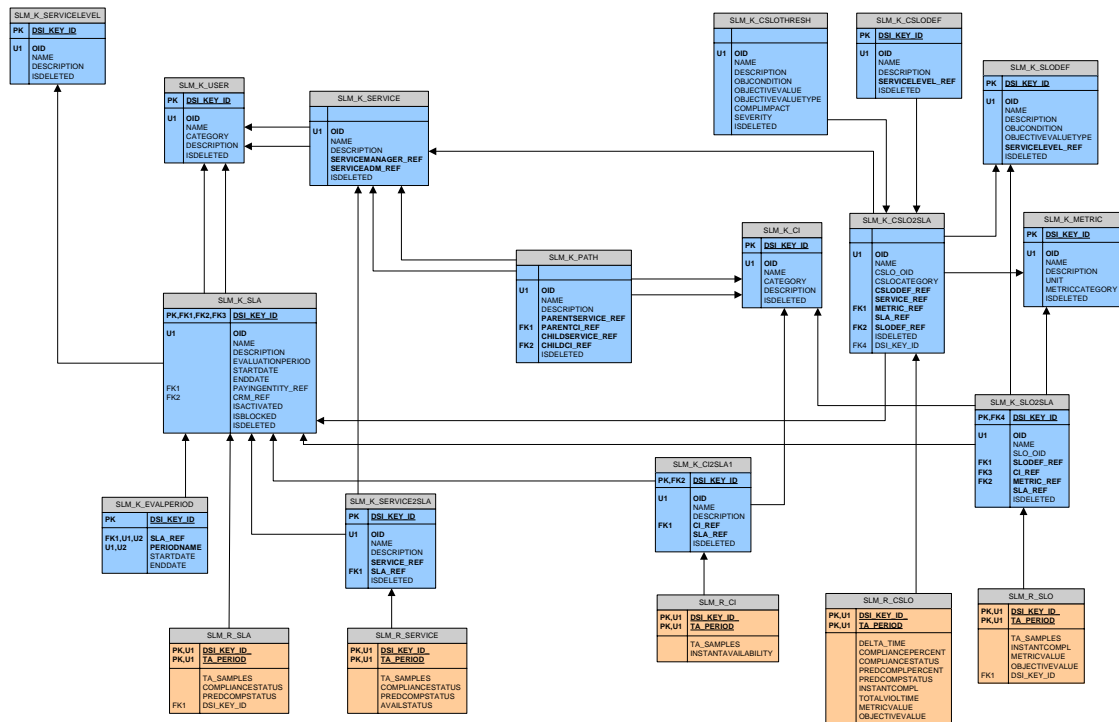


Figure 1: Data Warehouse Overview

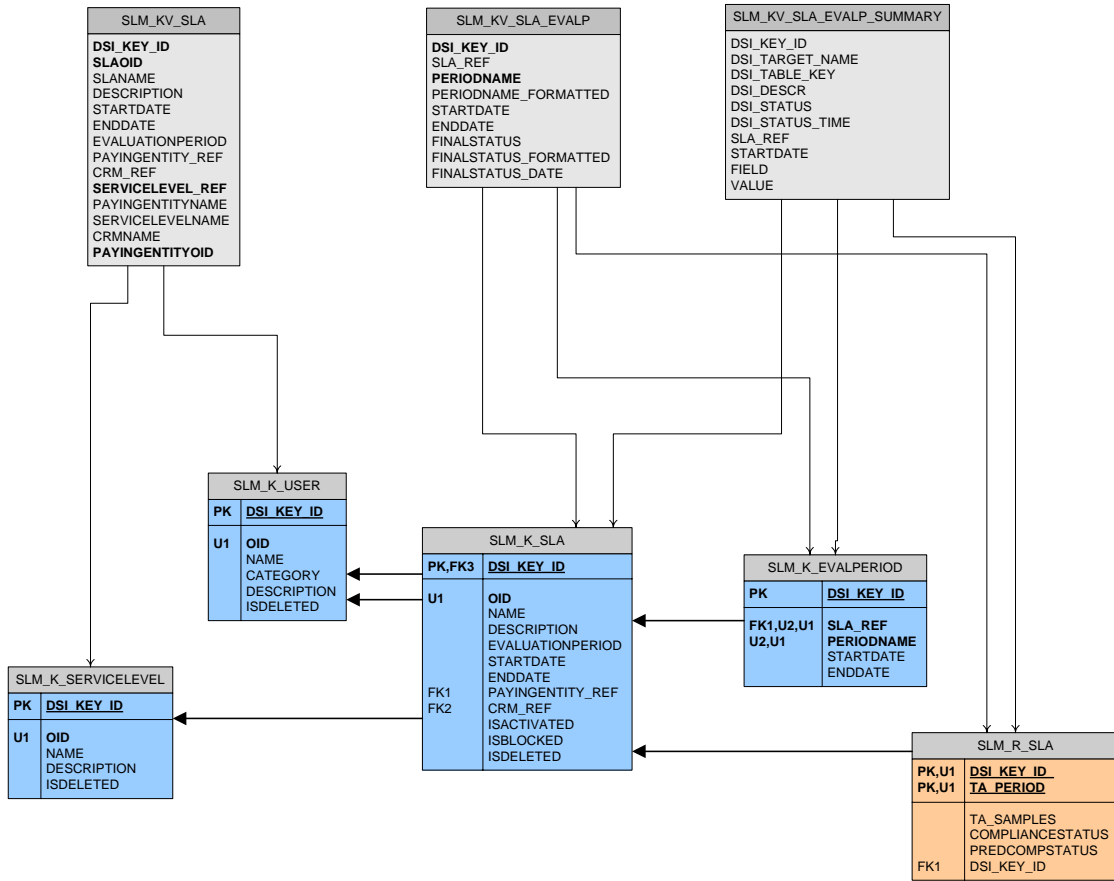
4.2 Dimensions

4.2.1 SLA Dimension related tables and views

This is the part of the data warehouse schema that is related to SLAs. It shows:

- The SLA related Fact table (that basically contains measures of the SLA compliance and predictive compliance status).
- The SLA Dimension table and others related Dimensions tables. (Users, Service Level and Evaluation period)
- A View that ‘flatten’ SLA dimension with Service Level and Users (SLM_KV_SLA)
- Views that consolidate the SLA statuses at the end of the Evaluation Period (SLM_KV_SLA_EVALP and SLM_KV_SLA_EVALP_SUMMARY)

180



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Figure 2: SLA Details

4.2.2 Service Dimension related tables and views

This is the part of the data warehouse schema that is related to Service. It shows:

190

- The Service related Fact table (that basically contains measures of the Service Availability status, the compliance and predictive compliance status).
- The Service Dimension table with Service to SLA association and others related Dimensions tables. (Users, SLA and Path)
- A View that 'flatten' Service dimension with SLA and Users (SLM_KV_SSERVICE)
- A View that shows the hierarchy of Service in case of under-pining services (SLM_KV_SERVICE_PARENT)

195

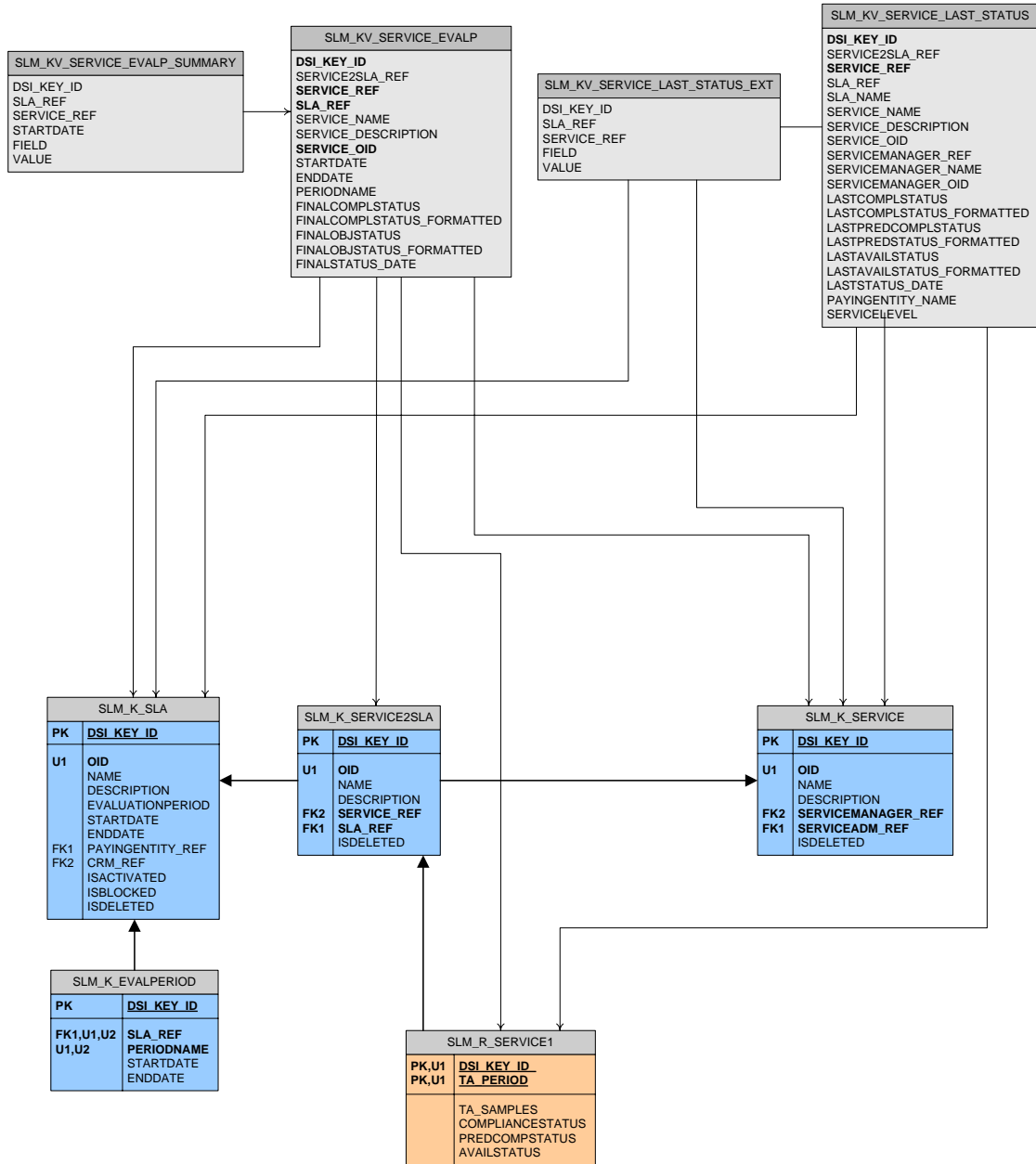


Figure 3: Service Details

200 In this diagram, the focus is on Service views that consolidate the Service statuses at the end of the SLA Evaluation Period (SLM_KV_SERVICE_EVALP and SLM_KV_SERVICE_LAST_STATUS).
 The View SLM_KV_SERVICE_LAST_STATUS gives the latest known values for Service measures related to an SLA.
 SLM_KV_SERVICE_EVALP_SUMMARY and SLM_KV_SERVICE_LAST_STATUS_EXT views are
 205 used for custom information display in specific some reports.

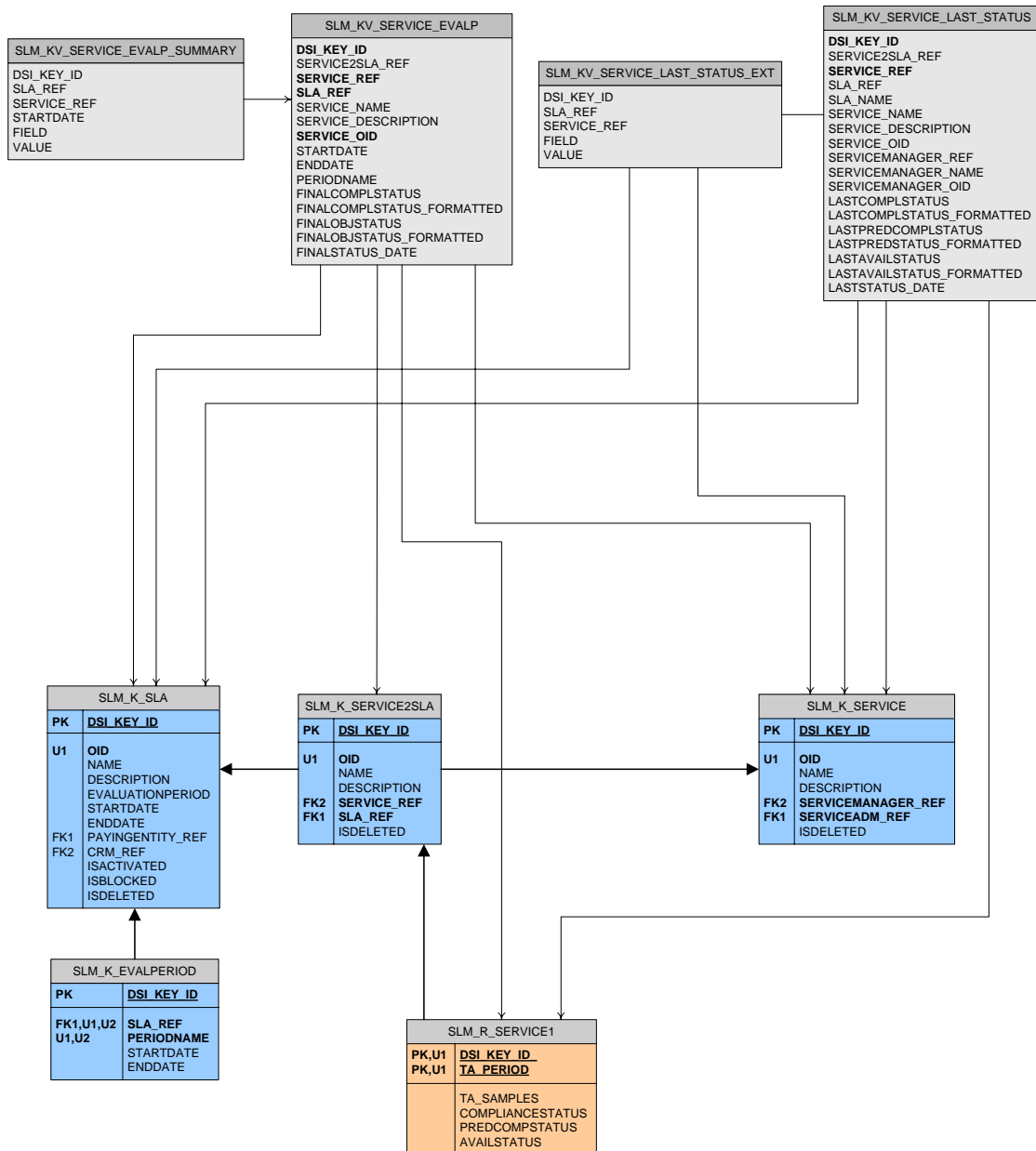
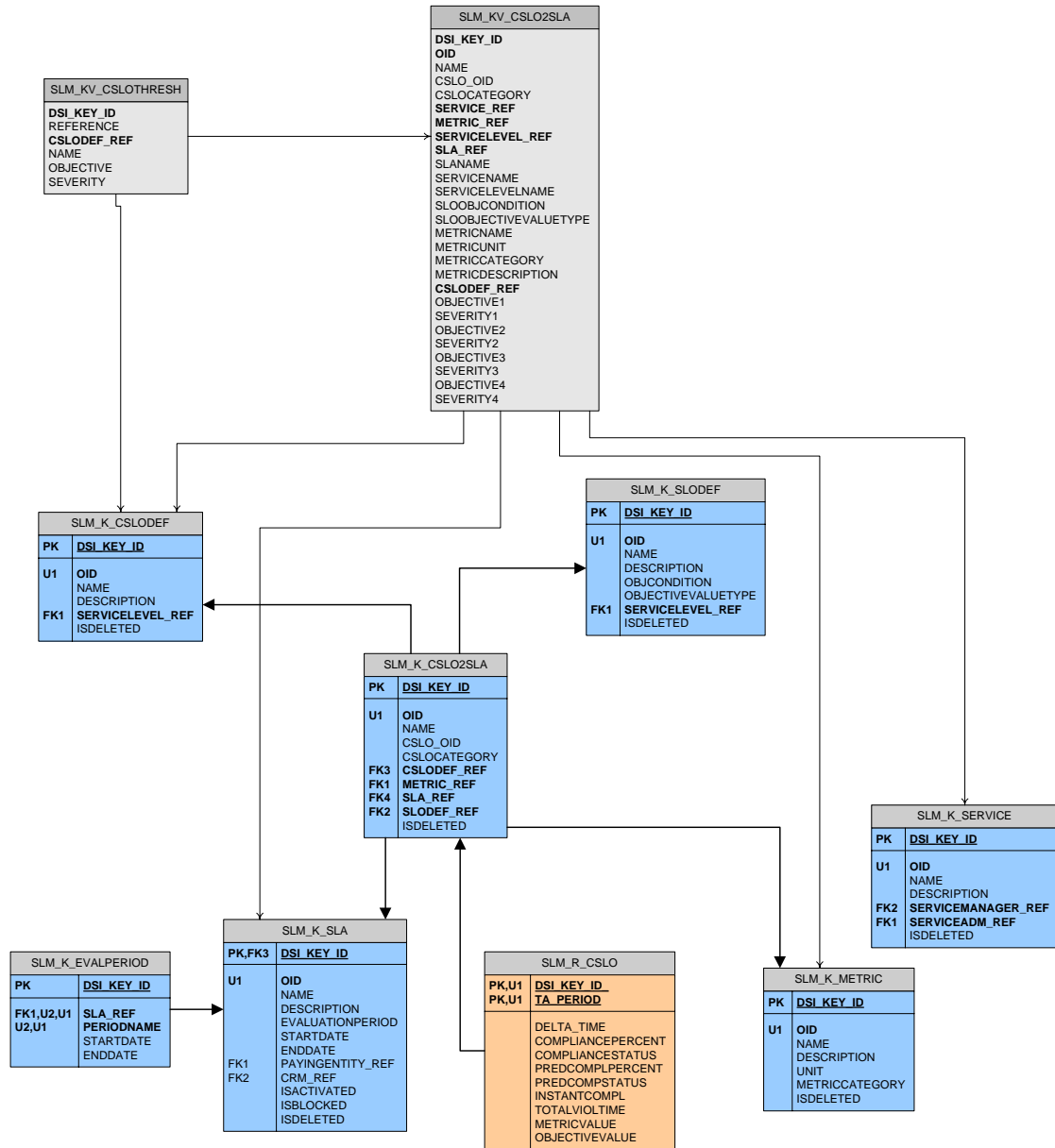


Figure 4: Service details (cont'd)

4.2.3 Compliance SLO Dimension related tables and views

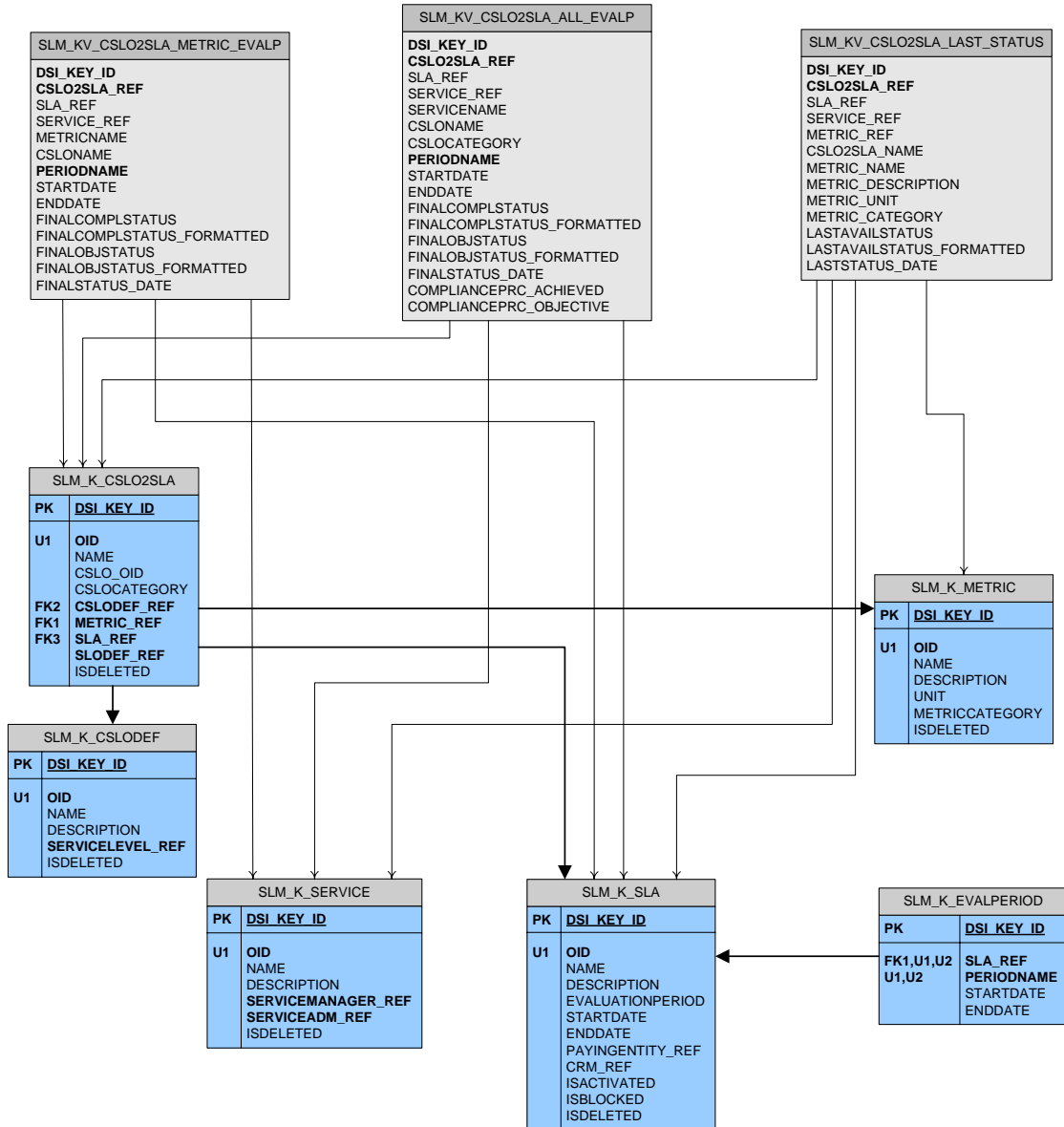
- 210 This part of the data warehouse schema that is related to Compliance SLO. It shows:
- The Compliance SLO Fact table that contains the Compliance SLO specific facts (measures of the SLO Compliance Status and Percentage, its predictive Compliance Status and Percentage), SLO related facts (Objective value, Instant Compliance, Total Violation Time), and the associated Metric related facts (Metric Value).
 - The Compliance SLO Dimension table with SLO to SLA association and others related Dimensions tables. (Service, SLA, Metric)
- 215 Note: the Compliance SLO Dimension information is spread into the 2 tables: SLM_K_CSLODEF and SLM_K_SLODEF
- A View that 'flatten' Compliance SLO dimension with Service, SLA, Metric and threshold information (SLM_KV_CSLO2SLA)
- 220



In this diagram, the focus is on Compliance SLO views that consolidate the Compliance SLO statuses at the end of the SLA Evaluation Period (SLM_KV_CSLO2SLA_METRIC_EVALP and SLM_KV_CSLO2SLA_ALL_EVALP)

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The View SLM_KV_CSLO2SLA_LAST_STATUS gives the latest known values for Compliance SLO measures related to an SLA.



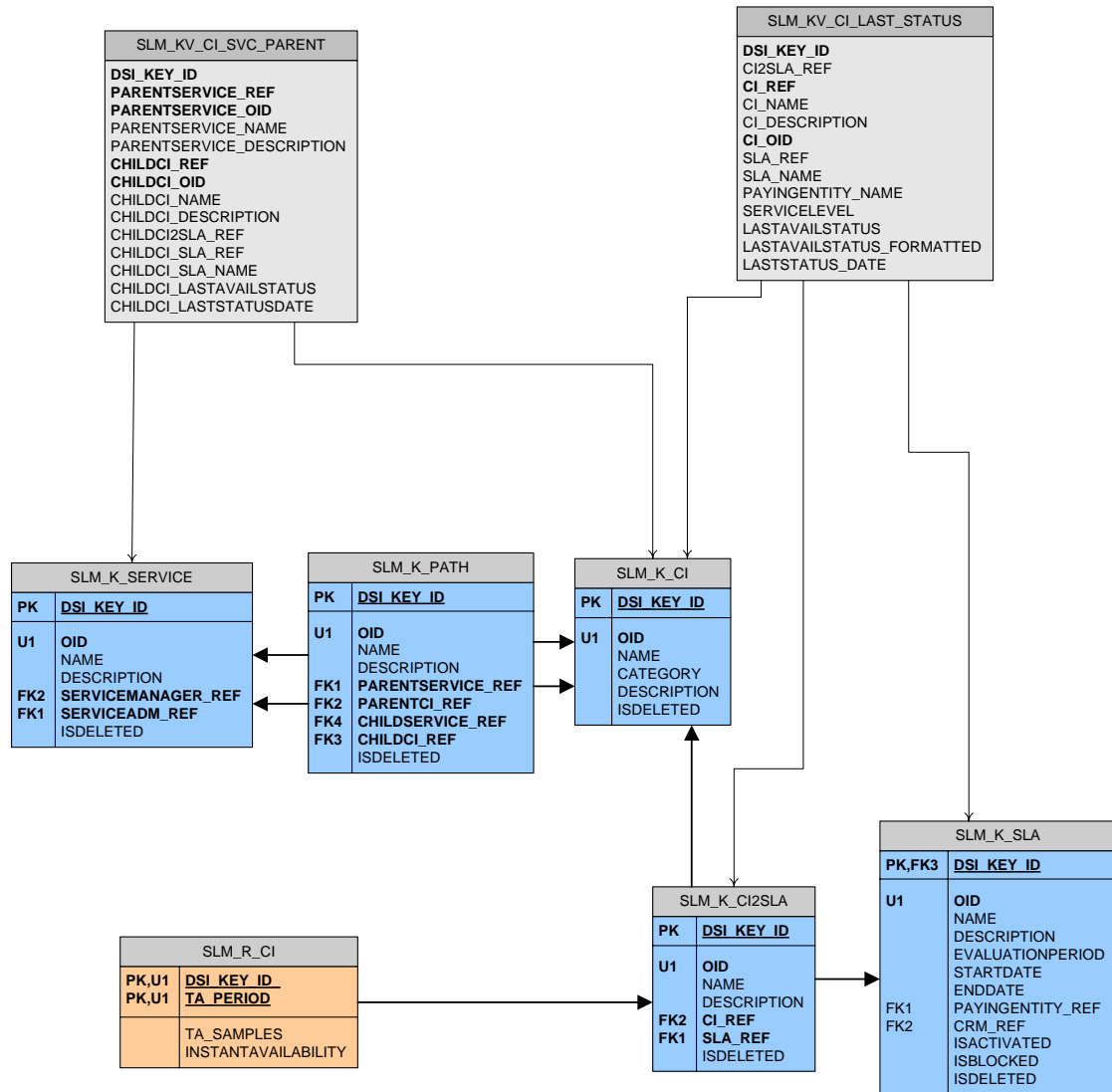
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4.2.4 CI Dimension related tables and views

This part of the data warehouse schema that is related to CI. It shows:

235

- The CI Fact table that contains the CI related measures (CI Instant Availability).
- The CI Dimension table with CI to SLA association
- A View that shows the hierarchy of CIs under parent CI or Service (SLM_KV_CI_SVC_PARENT)
- A View that gives the latest known CI Availability status (SLM_KV_CI_LAST_STATUS)



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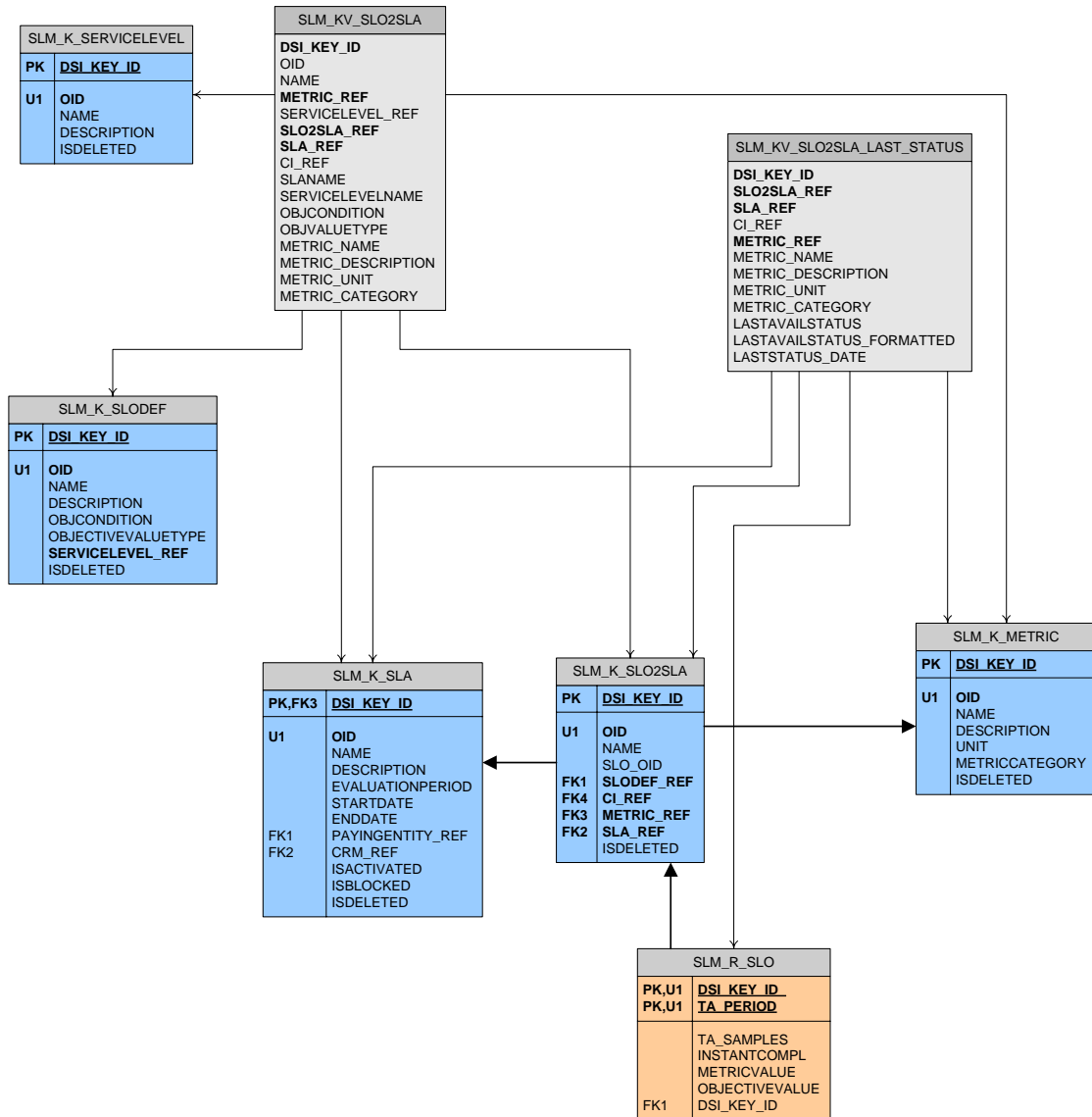
4.2.5 SLO Dimension related tables and views

This part of the data warehouse schema that is related to SLO. It shows:

245

- The SLO Fact table that contains the SLO related facts (Objective value, Instant Compliance, Total Violation Time), and the associated Metric related facts (Metric Value).
- The SLO Dimension table with SLO to SLA association and others related Dimensions tables (SLA, Metric).
- A View that 'flatten' SLO dimension with SLA and Metric and latest values of the SLO measures (SLM_KV_SLO2SLA_LAST_STATUS)

250

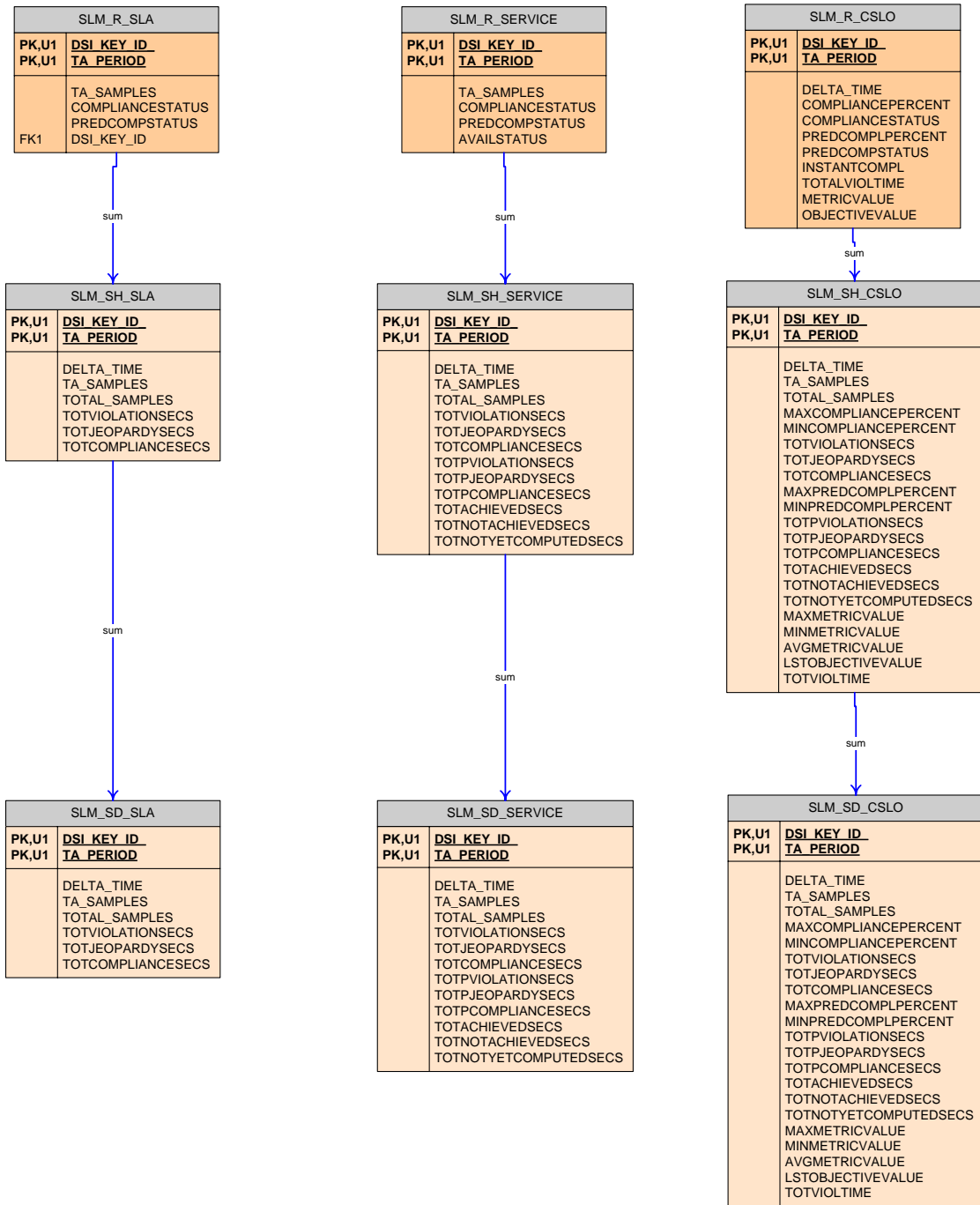


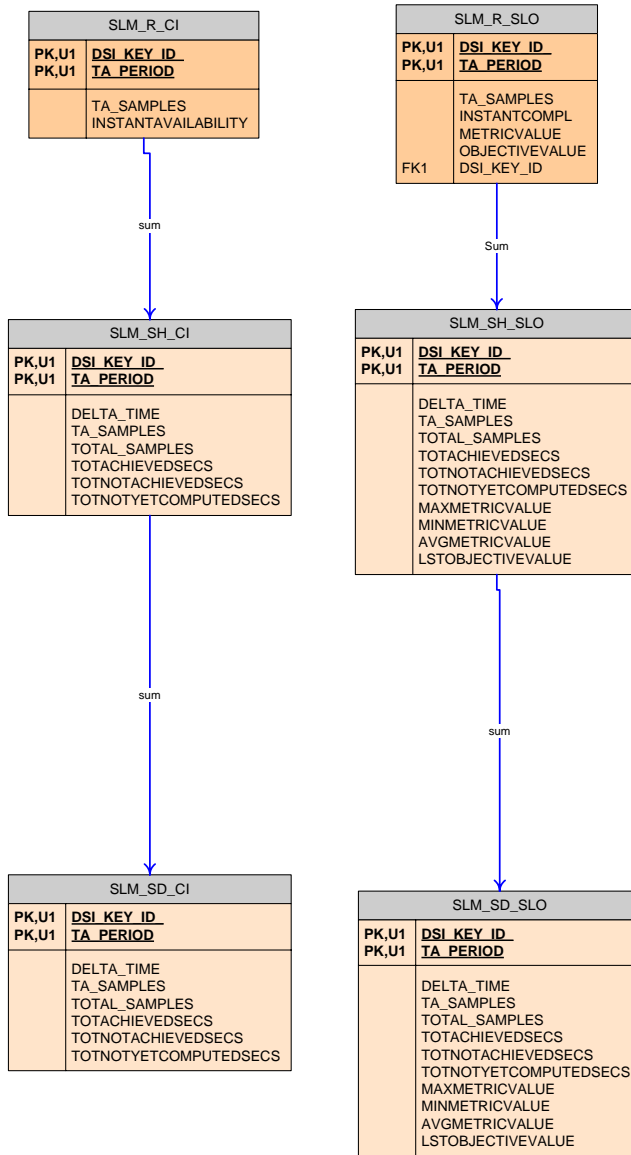
4.3 Facts

4.3.1 Summarization process

255 The 2 following diagrams shows the summarization process for Rate data (Facts):

1. SLM_R_xxx Rate tables are populated on a 5mn basis by facts coming from SD/SLM.
2. SLM_R_xxx tables are processed hourly to populate SLM_SH_xxx summarized tables.
3. SLM_SH_xxx tables are processed daily to populate SLM_SD_xxx summarized tables





4.3.2 Summarization rules

265 The following tables give the summarization rules for each of measure in each fact tables.

4.3.2.1 SLA

Raw measure	Hourly summarized measure	Daily summarized measure
(Predictive) Compliance Status (Compliance/Jeopardy/Violated)	Total compliant time in the hour (sec)	Total compliant time in the day
	Total jeopardy time in the hour (sec)	Total jeopardy time in the day
	Total violated time in the hour (sec)	Total violated time in the day

4.3.2.2 Service

Raw measure	Hourly summarized measure	Daily summarized measure
(Predictive) Compliance Status (Compliance/Jeopardy/Violated)	Total compliant time in the hour (sec)	Total compliant time in the day
	Total jeopardy time in the hour (sec)	Total jeopardy time in the day
	Total Violated time in the hour (sec)	Total Violated time in sec.
Availability Status	Total achieved time in the hour (sec)	Total achieved time in the day

(Available/not available/not yet computed)	Total not achieved time in the hour (sec)	Total not achieved time in the day
	Total not yet computed time in the hour (sec)	Total not yet computed time in the day

270 **4.3.2.3 Compliance SLO**

Raw measure	Hourly summarized measure	Daily summarized measure
(Predictive) Compliance Status (Compliance/Jeopardy/Violated)	Total compliant time in the hour (sec)	Total compliant time in the day
	Total jeopardy time in the hour (sec)	Total jeopardy time in the day
	Total Violated time in the hour (sec)	Total Violated time in sec.
(Predictive) Compliance percentage	Max value in the hour	Max value in the day
	Min value in the hour	Min value in the day
Instant compliance (Available/not available/not yet computed)	Total achieved time in the hour (sec)	Total achieved time in the day
	Total not achieved time in the hour (sec)	Total not achieved time in the day
	Total not yet computed time in the hour (sec)	Total not yet computed time in the day
Metric value	Min value in the hour	Min value in the day
	Max value in the hour	Max value in the day
	Average value in the hour	Average value in the day
Objective value	Last objective value in the hour	Last objective value in the day
Total violation time	Total violation time	Total violation time

4.3.2.4 CI

Raw measure	Hourly summarized measure	Daily summarized measure
Instant availability (Compliance/Jeopardy/Violated)	Total achieved time in the hour (sec)	Total achieved time in the day
	Total not achieved time in the hour (sec)	Total not achieved time in the day
	Total not yet computed time in the hour (sec)	Total not yet computed time in the day

4.3.2.5 SLO

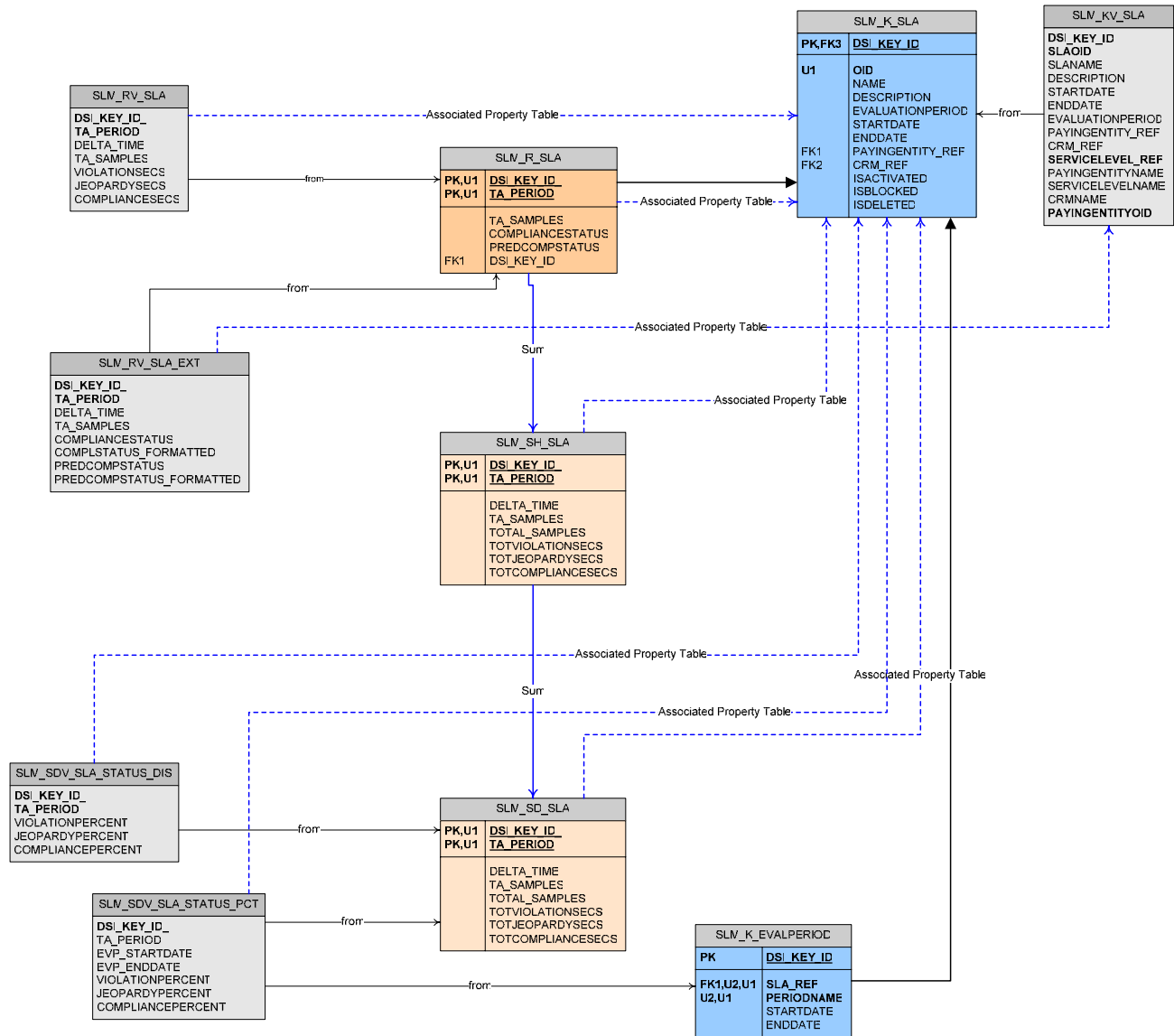
Raw measure	Hourly summarized measure	Daily summarized measure
Instant compliance (Available/not available/not yet computed)	Total achieved time in the hour (sec)	Total achieved time in the day
	Total not achieved time in the hour (sec)	Total not achieved time in the day
	Total not yet computed time in the hour (sec)	Total not yet computed time in the day
Metric value	Min value in the hour	Min value in the day
	Max value in the hour	Max value in the day
	Average value in the hour	Average value in the day
Objective value	Last objective value in the hour	Last objective value in the day
Total violation time	Total violation time	Total violation time

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4.3.3 SLA Fact related tables and views

This diagram gives an overview of the existing Views regarding SLA Fact tables and Summarized tables.

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4.3.4 Service Fact related tables and views

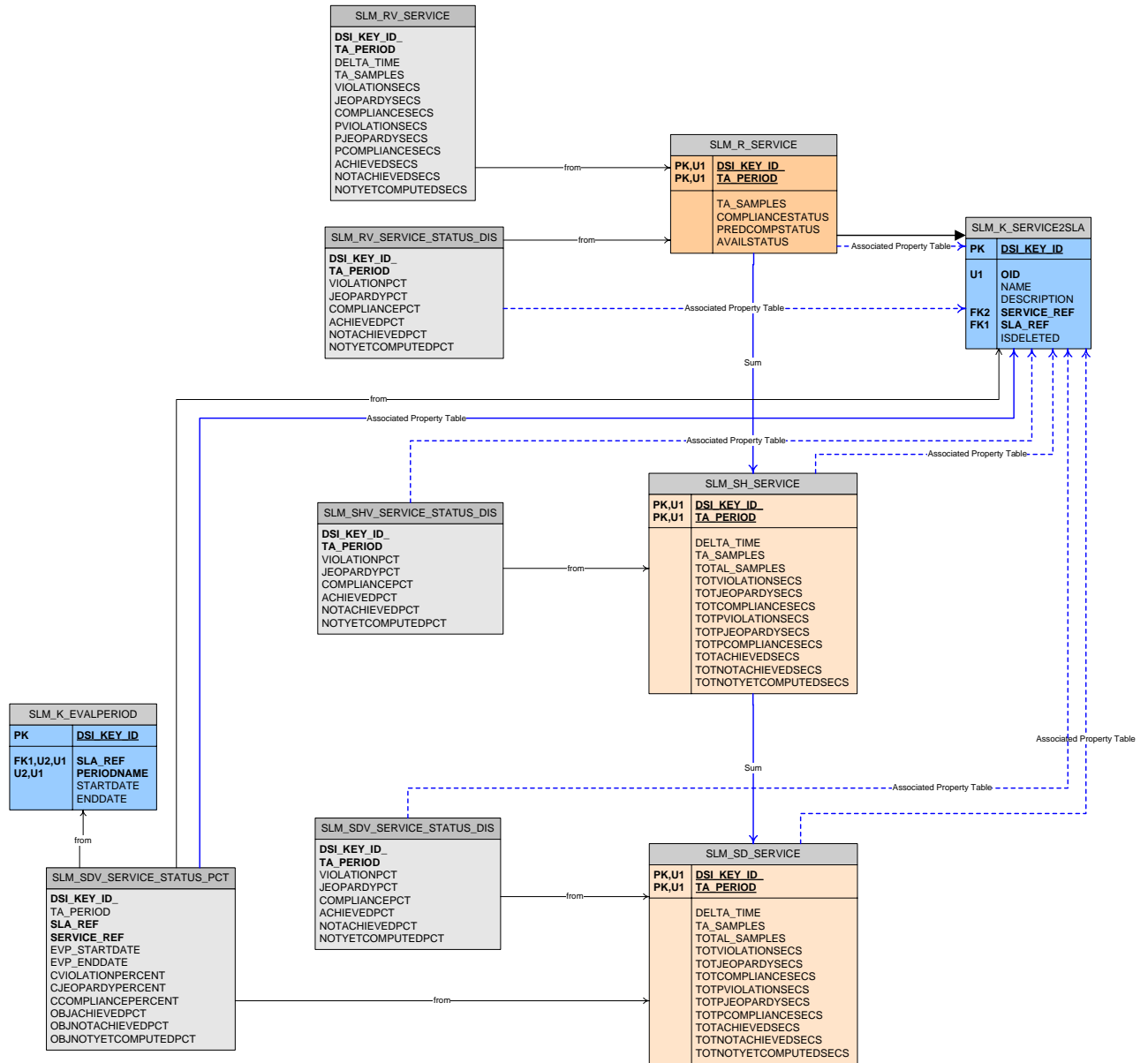
285

This diagram gives an overview of the existing Views regarding Service Fact tables and Summarized tables.

SLM_xxx_SERVICE_STATUS_DIS Views give the distribution of Service Compliance status and Availability status over time. The granularity is given by the original table (Rate or hourly or daily summarized).

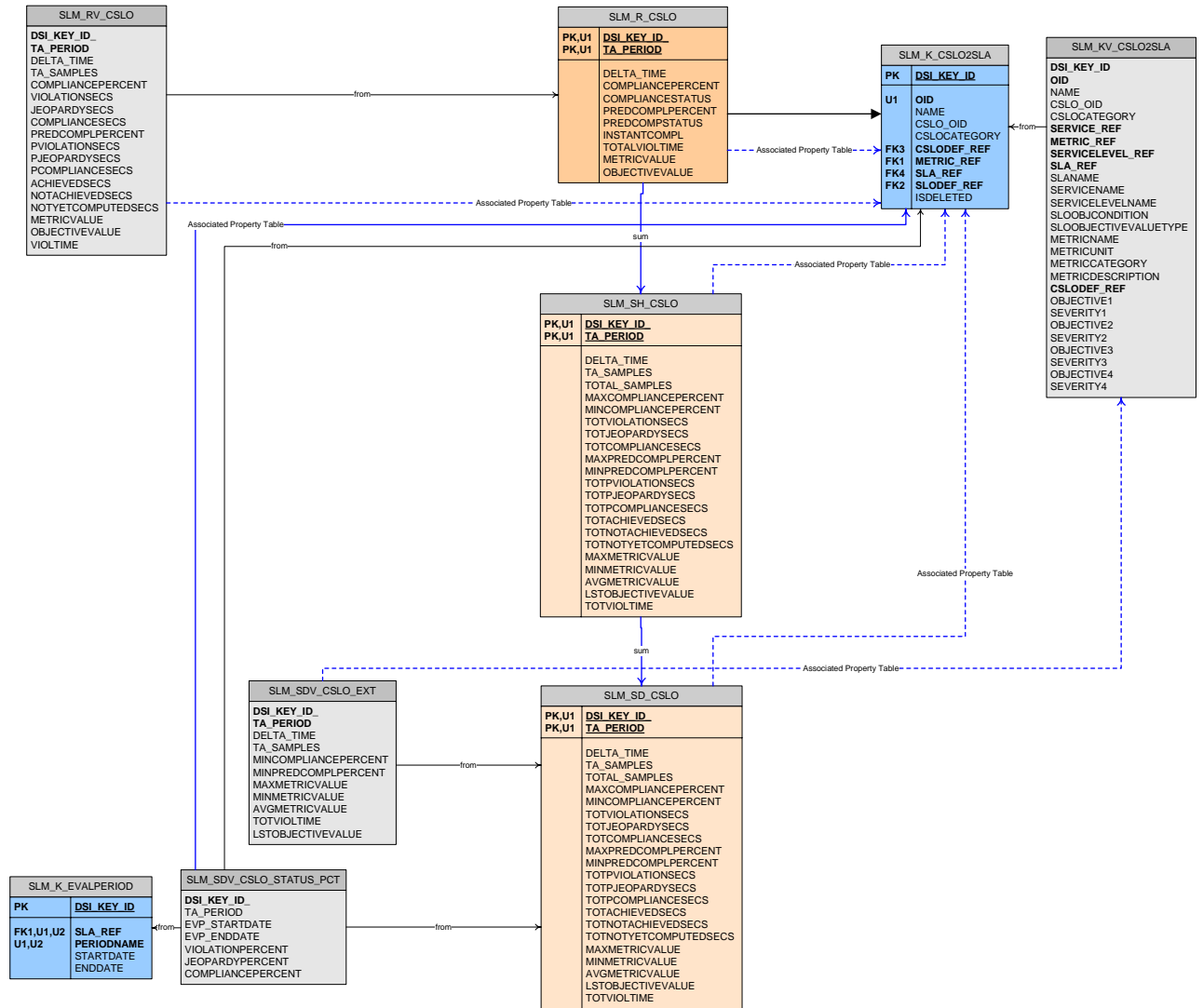
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Note: All these Service Fact tables and views are associated to a Service, in the context of an SLA. These Facts are related to the SERVICE2SLA Dimension.



295 **4.3.5 Compliance SLO Fact related tables and views**

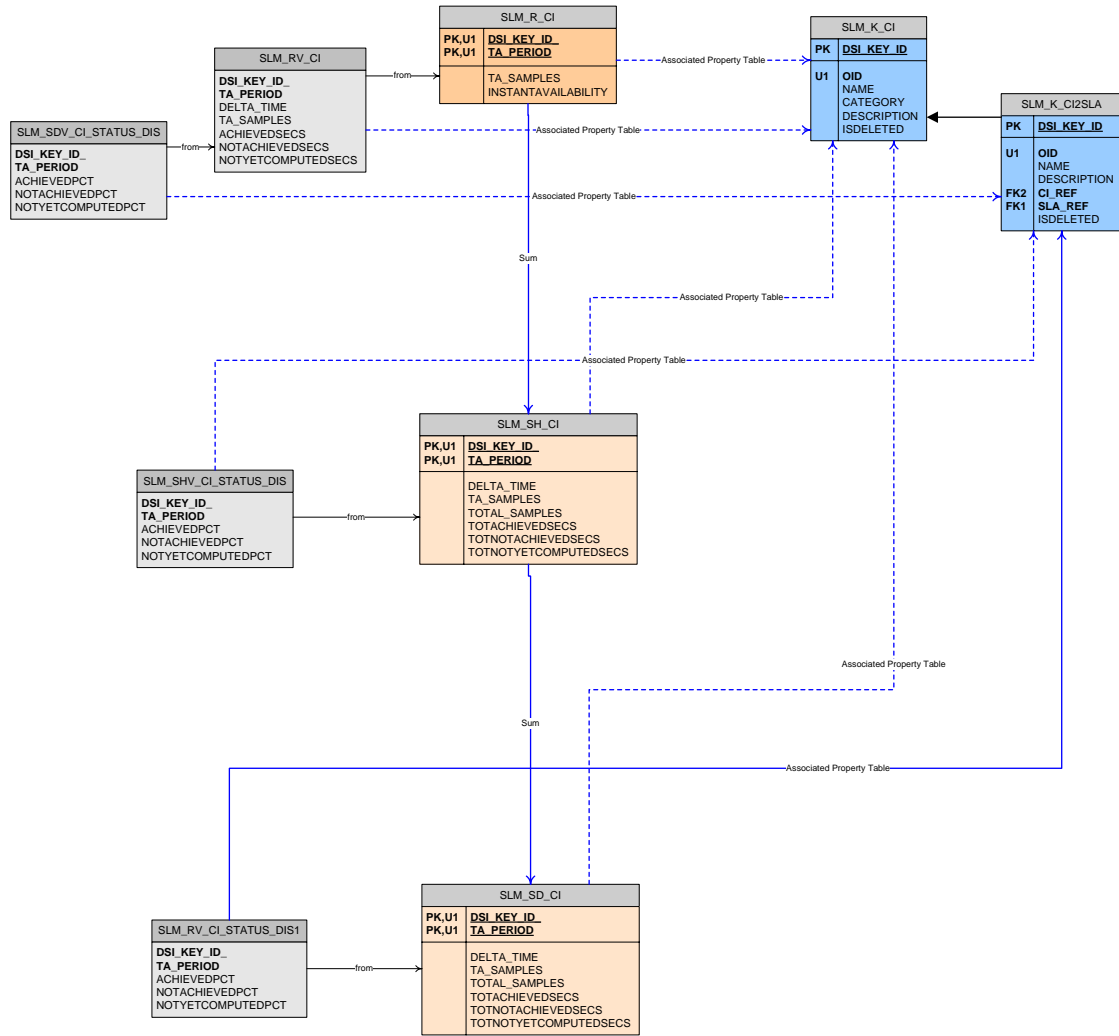
This diagram gives an overview of the existing Views regarding Compliance SLO Fact tables and Summarized tables.



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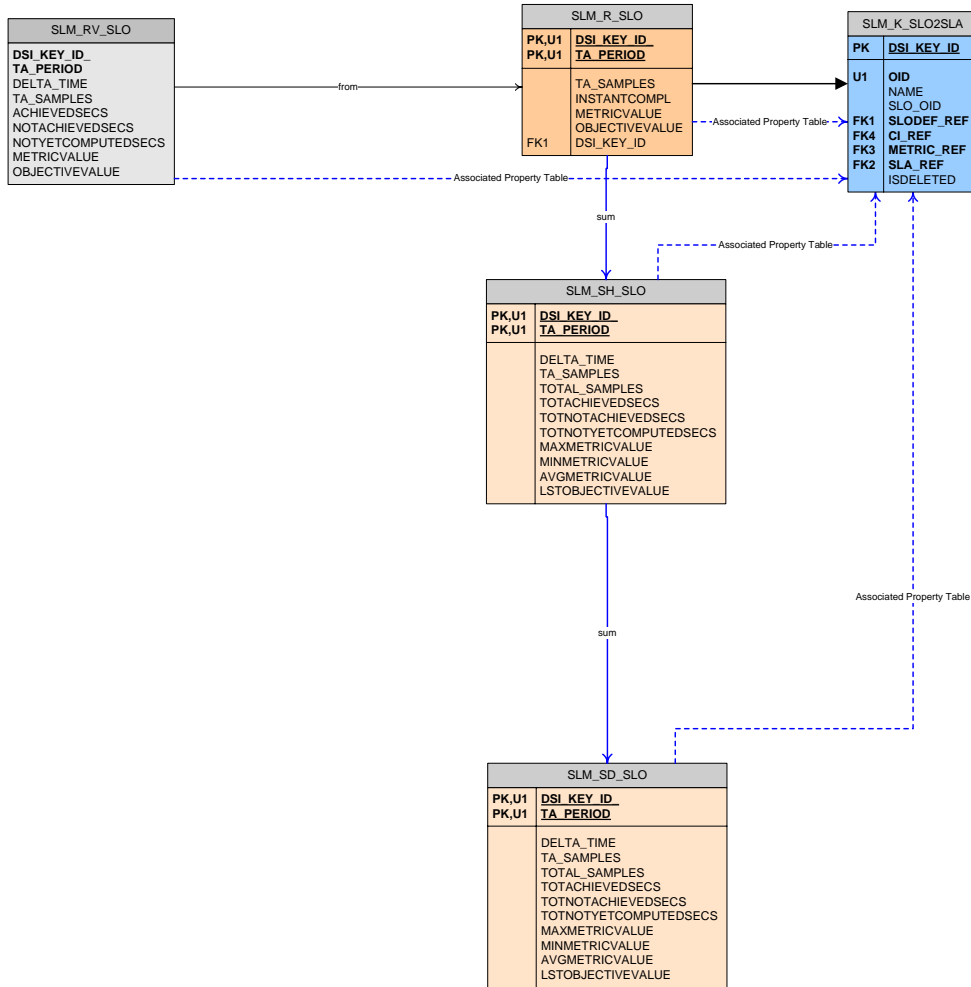
4.3.6 CI Fact related tables and views

This diagram gives an overview of the existing Views regarding CI Fact tables and Summarized tables.



305 **4.3.7 SLO Fact related tables and views**

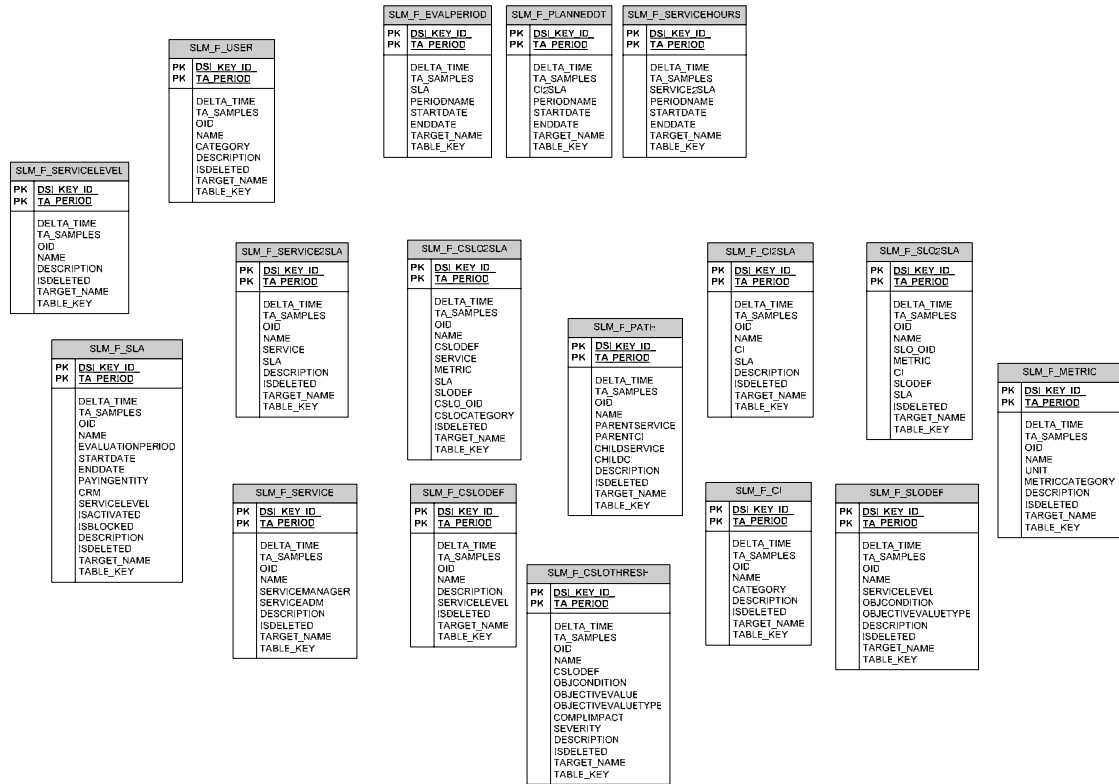
This diagram gives an overview of the existing Views regarding SLO Fact tables and Summarized tables.



4.4 Other tables

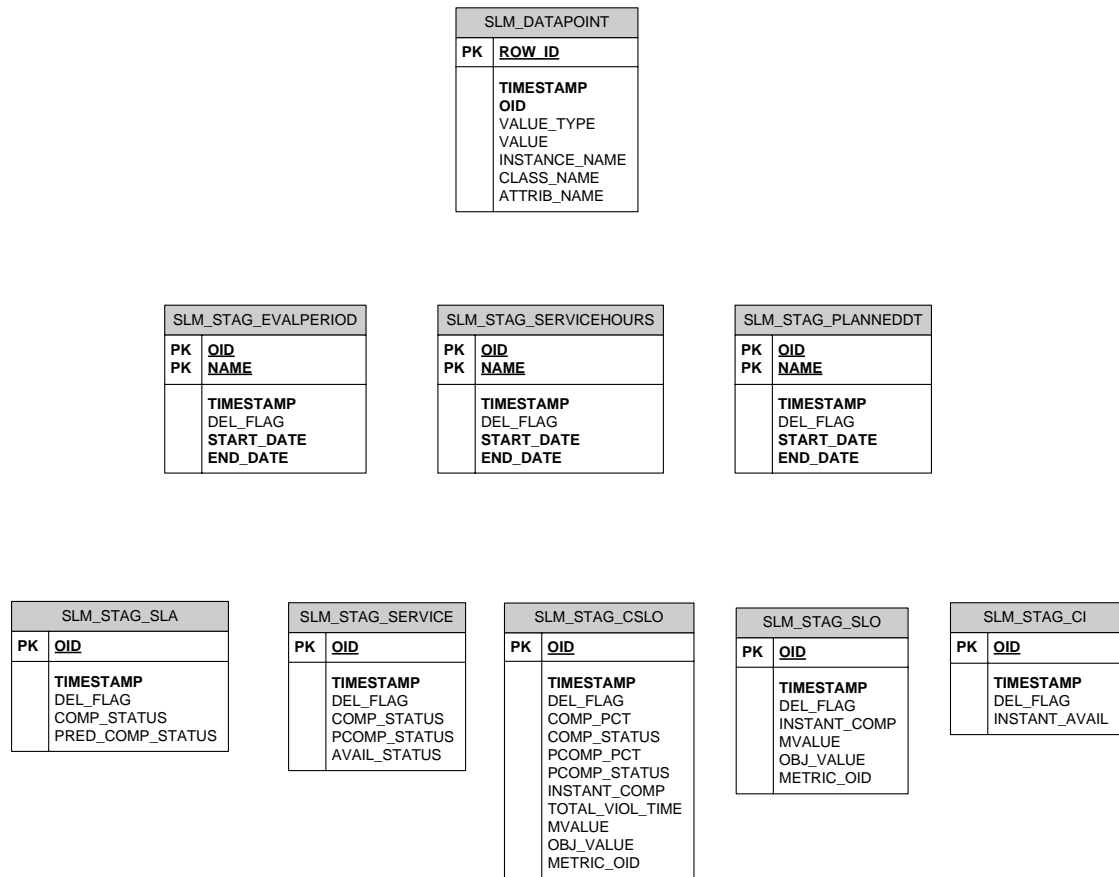
310 4.4.1 Staging tables for Dimensions

They are detailed in section [Staging tables for Dimensions](#).



4.4.2 Staging tables for Facts

315 They are detailed in sections [Logging tables for Facts](#) and [Staging tables for Facts](#).



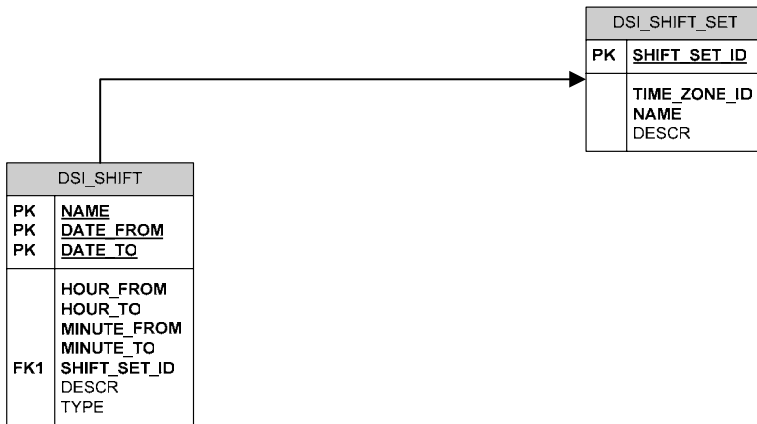
4.4.3 Time Periods tables

320 These 2 tables are OVPI standard tables used to define "shift set" (set of time intervals). They are used for Service Hours and CI Planned Downtimes.

Each Service and each CI has an entry in the DSI_SHIFT_SET table that defined respectively Service Hours and Planned Downtimes. The effective list of 'time intervals' are stored in DSI_SHIFT table.

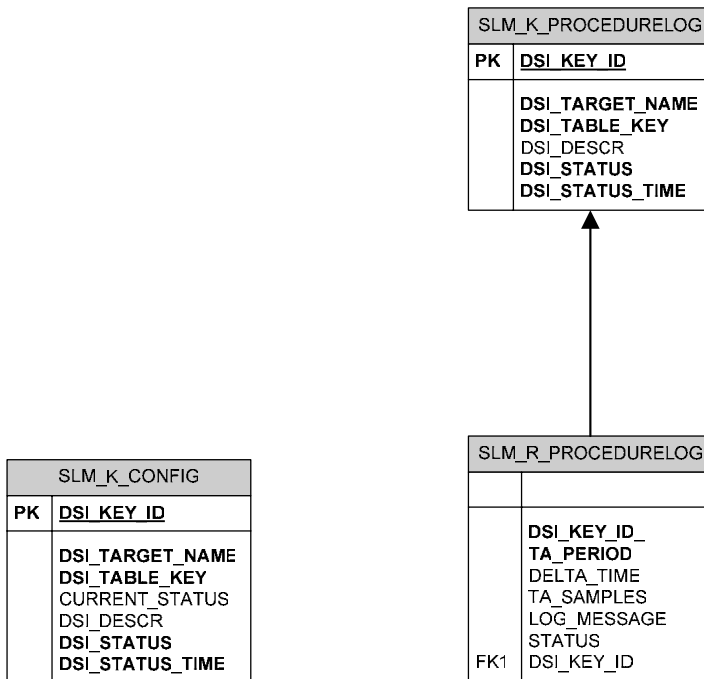
They are detailed in section [Time Periods tables](#)

325



4.4.4 Configuration and Log tables

330 These are the tables used for SLM Report pack logging and configuration. They are detailed in section [Configuration and Log Tables.](#)



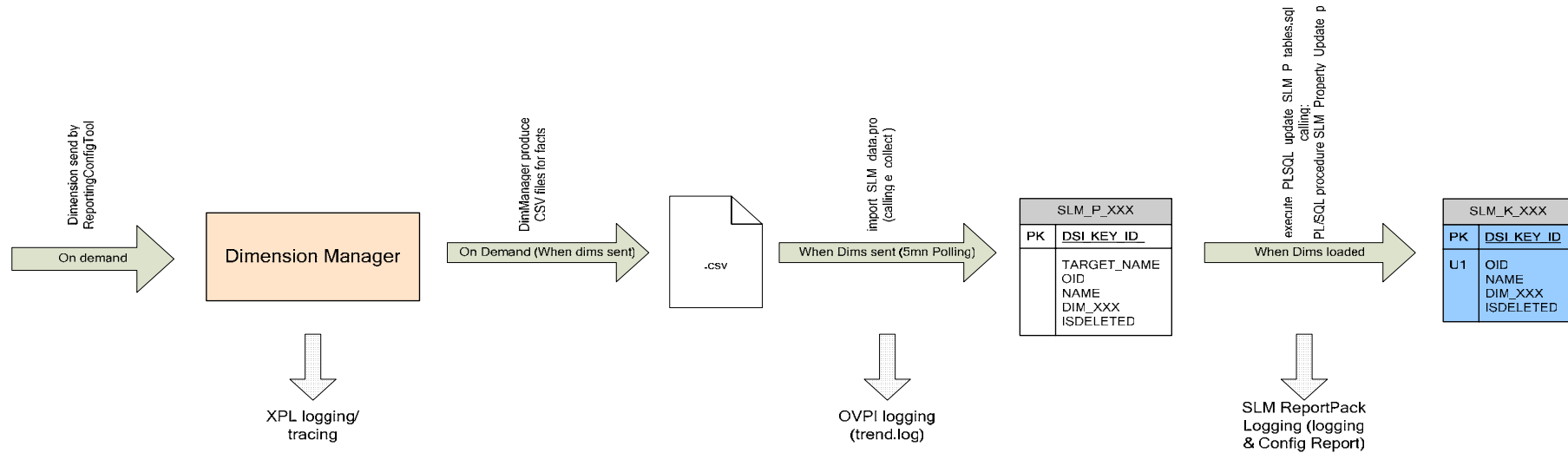
5 Data Flows

These 3 diagrams describe the flow of data from SD/SLM to the Data Warehouse tables for 3 categories of data: Facts, Dimensions and Time Periods.

335 5.1 Dimensions

Export of Dimensions is performed in 3 steps:

1. On SD/SLM platform, a batch process go through the full service model and export the corresponding dimension (SLA, Service, CI, ...) to the DimensionManager process running on the OVPI platform (Client-Server application using BBC RPC). The DimensionManager process generates CSV files that contain all the dimension data, into a pool directory.
- 340 2. An OVPI script (import_SLM_dat.pro) is called by trend_timer every 5 minutes. This script scans the dimension pool directory and import the dimension data (if any) into the staging tables (SLM_P_xxx) using ee_collect.
3. If dimension have been imported into the staging tables, a PL/SQL procedure is called by the previous OVPI script in order to update the dimension tables with the data contained into the staging tables. This procedure mainly do the following actions:
 - Flag existing dimensions from the dimension tables as deleted (ISDELETED flag)
 - 345 • Upload dimensions from the staging tables (SLM_P_xxx) into the dimension tables (SLM_K_xxx)
 - Update the dimension foreign keys



5.2 Facts

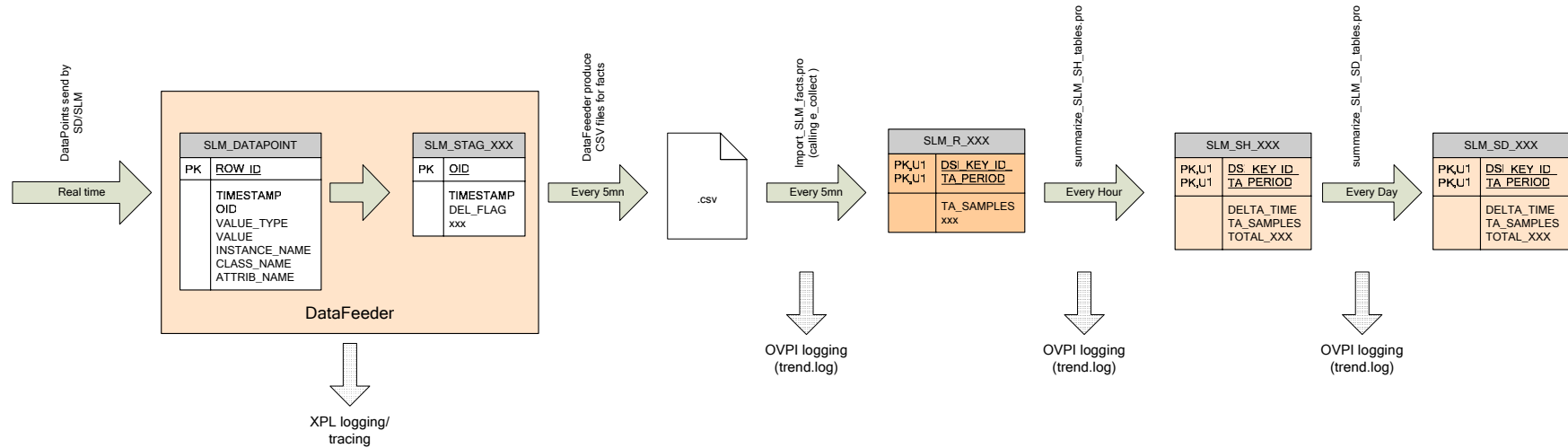
Export of Facts is performed in 3 steps:

- 350 1. The SLM server (running on SD/SLM platform) sends Data Points to the DataFeeder process running on the OVPI platform (using BBC SnF). DataPoints are sent in pseudo real-time: a DataPoint is created each time a metric value is sent by a Metric Adapter or a status has been calculated or changed, ... DataPoints are grouped and sent by packets for performance optimization. The DataFeeder staging tables (SLM_STAG_XXX) are updated each time a DataPoint is received. These staging tables contain the currently known values for all the metrics and all the status (all the facts...) managed by SLM.
2. Every 5mn (default period), the DataFeeder process generates CSV files that contain all the current fact data, into a pool directory.
- 355 3. An OVPI script (import_SLM_facts.pro) is called by trend_timer every 5 minutes. This script scans the facts pool directory and import the fact data (if any) into the rate tables (SLM_R_XXX) using ee_collect.

Data are hourly summarized into SLM_SH_XXX tables by an OVPI script (summarize_SLM_SH_tables.pro) called by trend_timer every hour.

Data are daily summarized into SLM_SD_XXX tables by an OVPI script (summarize_SLM_SD_tables.pro) called by trend_timer every day.

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5.3 Time Periods

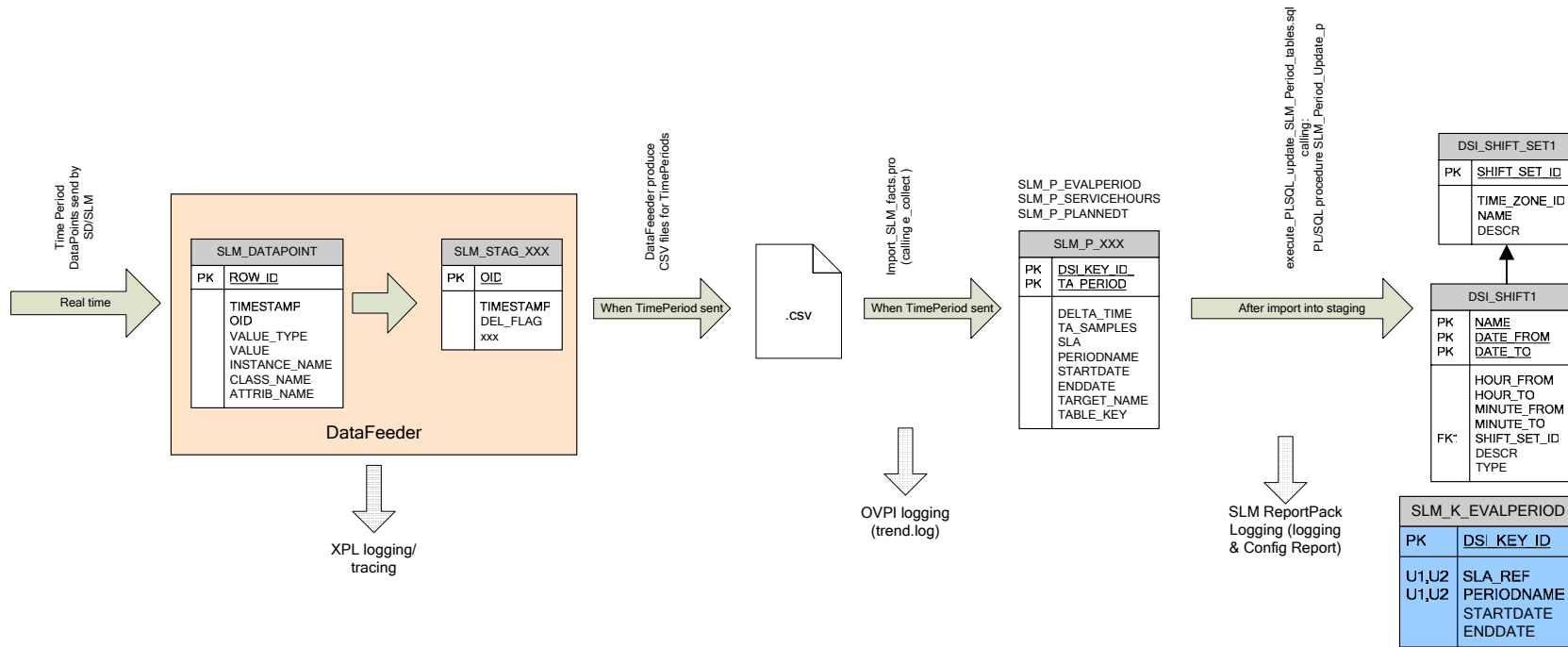
Export of Time Periods is performed in 4 steps:

365

1. The SLM server (running on SD/SLM platform) sends Data Points containing Time Periods (Service Hours, Planned DownTimes and SLA Evaluation Periods) to the DataFeeder process running on the OVPI platform (using BBC SnF). The DataFeeder staging tables (SLM_STAG_XXX) are updated each time a DataPoint is received.
2. Every 5mn (default period), the DataFeeder process generates CSV files that contain all the received Time Periods (if any), into a spool directory.
3. An OVPI script (import_SLM_facts.pro) is called by trend_timer every 5 minutes. This script scans the facts spool directory and import the Time Period data (if any) into staging tables (SLM_P_EVALPERIOD, SLM_P_PLANNEDT, SLM_P_SERVICEHOURS) using ee_collect.
4. If Time Periods have been imported into the staging tables, a PL/SQL procedure (SLM_Period_Update_p) is called by the previous OVPI script in order to add the new Time Period to into tables:
 - SLA Evaluation Periods are added to the SLM_K_EVALPERIOD tables
 - Service Hours and CI Planned Downtimes are added into the DSI_SHIFT table.

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6 Tables and Views details

6.1 Dimensions

6.1.1 Tables

380

6.1.1.1 SLM_K_CI

The CI Dimension contains the definition of the CI.

No Fact is associated to this table.

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	CI Name
DESCRIPTION	VARCHAR2 255	CI description
CATEGORY	NUMBER 10	Not used (=1)
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_TABLE_KEY	VARCHAR2 128	Default secondary object and collection by-variable
DSI_KEY_ID	NUMBER 10	Identity for table
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

6.1.1.2 SLM_K_CI2SLA

385

The CI2SLA Dimension makes the association between CI and SLA. CI Facts are related to this Dimension

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	Concatenation of CI Name and SLA Name
DESCRIPTION	VARCHAR2 255	Not used
CI_REF	NUMBER 10	Foreign key to Associated CI Dimension
SLA_REF	NUMBER 10	Foreign key to Associated SLA Dimension
PLANNEDDT	NUMBER 10	Shift set id (reference to DSI_SHIFT_SET table) that contains the Planned Downtimes
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

6.1.1.3 SLM_K_CSLO2SLA

The CSLO2SLA Dimension makes the association between Compliance SLO and SLA.

390 CSLO Facts are related to this Dimension.

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 64	Service Metric Name
CSLO_OID	VARCHAR2 100	OID of the associated CSLO Entity
CSLOCATEGORY	VARCHAR2 32	Kernel Code that identify the CSLO category
CSLODEF_REF	NUMBER 10	Foreign key to the CSLODefinition Dimension
SERVICE_REF	NUMBER 10	Foreign key to the Service Dimension
METRIC_REF	NUMBER 10	Foreign key to the Metric Dimension
SLA_REF	NUMBER 10	Foreign key to the SLA Dimension
SLODEF_REF	NUMBER 10	Foreign key to SLODefinition Dimension
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

6.1.1.4 SLM_K_CSLODEF

The CSLODEF Dimension contains the definition of Compliance SLO.

No Fact is associated to this table.

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	Name of the associated Service Metric
DESCRIPTION	VARCHAR2 255	Not used
SERVICELEVEL_REF	NUMBER 10	Foreign key to the Service Level Dimension
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

395

6.1.1.5 SLM_K_CSLOTHRESH

The CSLOTHRESH Dimension contains the definition of Compliance SLO Thresholds.

No Fact is associated to this table.

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	Same as Entity OID
DESCRIPTION	VARCHAR2 255	Not used
OBJCONDITION	VARCHAR2 10	Condition operators (<, >, <=, >=, ==, !=)

OBJECTIVEVALUE	VARCHAR2 64	Objective value as String
OBJECTIVEVALUETYPE	VARCHAR2 32	Value type (Percentage, ...)
COMPLIMPACT	VARCHAR2 32	Impact (Violated, Jeopardy, ...)
SEVERITY	VARCHAR2 32	Severity (minor, major, warning, critical, ...)
CSLODEF_REF	NUMBER 10	Foreign key to the CSLODef Dimension
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

400 **6.1.1.6 SLM_K_METRIC**

The METRIC Dimension contains the definition of Metrics.

No Fact is associated to this table.

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	Metric Name
DESCRIPTION	VARCHAR2 255	Not used
UNIT	VARCHAR2 100	Metric definition Value type kernel code
METRICCATEGORY	VARCHAR2 32	Metric definition category type kernel code
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

6.1.1.7 SLM_K_PATH

405 The PATH Dimension represents the links between Services and CIs (Service to Service, Service to CI and CI to CI).

No Fact is associated to this table.

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Concatenation of parent and child OIDs
NAME	VARCHAR2 100	'srv-srv' or 'srv-ci' or 'ci-ci'
DESCRIPTION	VARCHAR2 255	Not used
PARENTSERVICE_REF	NUMBER 10	Foreign key to the parent service in case of 'srv-srv' or 'srv-ci' associations. Null otherwise
PARENTCI_REF	NUMBER 10	Foreign key to the parent CI in case of 'ci-ci' association. Null otherwise
CHILDSERVICE_REF	NUMBER 10	Foreign key to the child CI service in case of 'srv-srv' associations. Null otherwise

CHILDCI_REF	NUMBER 10	Foreign key to the child service in case of 'srv-ci' or 'ci-ci' associations. Null otherwise
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

6.1.1.8 SLM_K_SERVICE

410 The Service Dimension contains the definition of Service.

No Fact is associated to this table.

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	Service Name
DESCRIPTION	VARCHAR2 255	Service Description
SERVICEMANAGER_REF	NUMBER 10	Foreign key to the User Dimension
SERVICEADM_REF	NUMBER 10	Foreign key to the User Dimension
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

6.1.1.9 SLM_K_SERVICE2SLA

The SERVICE2SLA Dimension makes the association between SERVICE and SLA.

415 SERVICE Facts are related to this Dimension.

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	Name based on the concatenation of Service name and associated SLA name
DESCRIPTION	VARCHAR2 255	Not used
SERVICE_REF	NUMBER 10	Associated Service
SLA_REF	NUMBER 10	Associated SLA
SERVICEHOURS	NUMBER 10	Shift set id (reference to DSI_SHIFT_SET table) that contains the Service Hours
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object

<i>DSI_STATUS_TIME</i>	<i>DATE</i>	<i>Timestamp of last status</i>
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6.1.1.10 SLM_K_SERVICELEVEL

This Dimension contains the definition of Service Levels.

No Fact is associated to this table.

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	Service Level Name
DESCRIPTION	VARCHAR2 255	Service Level Description
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
<i>DSI_TARGET_NAME</i>	<i>VARCHAR2 64</i>	<i>Default primary object and collection by-variable</i>
<i>DSI_KEY_ID</i>	<i>VARCHAR2 128</i>	<i>Identity for table</i>
<i>DSI_TABLE_KEY</i>	<i>NUMBER 10</i>	<i>Default secondary object and collection by-variable</i>
<i>DSI_DESCR</i>	<i>VARCHAR2 255</i>	<i>Text description of object</i>
<i>DSI_STATUS</i>	<i>NUMBER 3</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>DATE</i>	<i>Timestamp of last status</i>

420

6.1.1.11 SLM_K_SLA

This Dimension contains the definition of SLAs

SLA Facts are related to this Dimension.

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	SLA Name
DESCRIPTION	VARCHAR2 255	SLA Description
EVALUATIONPERIOD	VARCHAR2 100	'daily', 'weekly', 'monthly',...
STARTDATE	VARCHAR2 100	SLA operational start date
ENDDATE	VARCHAR2 100	SLA operational end date
PAYINGENTITY_REF	NUMBER 10	Foreign key to the User Dimension
CRM_REF	NUMBER 10	Foreign key to the User Dimension
SERVICELEVEL_REF	NUMBER 10	Foreign key to the Service Level Dimension
ISACTIVATED	NUMBER 10	Not used
ISBLOCKED	NUMBER 10	Not used
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
<i>DSI_TARGET_NAME</i>	<i>VARCHAR2 64</i>	<i>Default primary object and collection by-variable</i>
<i>DSI_KEY_ID</i>	<i>VARCHAR2 128</i>	<i>Identity for table</i>
<i>DSI_TABLE_KEY</i>	<i>NUMBER 10</i>	<i>Default secondary object and collection by-variable</i>
<i>DSI_DESCR</i>	<i>VARCHAR2 255</i>	<i>Text description of object</i>
<i>DSI_STATUS</i>	<i>NUMBER 3</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>DATE</i>	<i>Timestamp of last status</i>

425

6.1.1.12 SLM_K_SLO2SLA

The SLO2SLA Dimension makes the association between SLO and SLA.

SLO Facts are related to this Dimension

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	Concatenation of SLO name and associated SLA Name

SLO_OID	VARCHAR2 100	OID of the associated SLO
SLODEF_REF	NUMBER 10	Foreign key to the SLO Definition Dimension
CI_REF	NUMBER 10	Foreign key to the CI Dimension
METRIC_REF	NUMBER 10	Foreign key to the Metric Dimension
SLA_REF	NUMBER 10	Foreign key to the SLA Dimension
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

6.1.1.13 SLM_K_SLODEF

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	Metric Name
DESCRIPTION	VARCHAR2 255	Not used
OBJCONDITION	VARCHAR2 10	Condition operators (<, >, <=, >=, ==, !=)
OBJECTIVEVALUETYPE	VARCHAR2 32	Value type (Percentage, ...)
SERVICELEVEL_REF	VARCHAR2 10	Foreign key to the Service Level Dimension
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

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6.1.1.14 SLM_K_USER

Oracle Column Name	Oracle Datatype	Description
OID	VARCHAR2 100	Entity OID
NAME	VARCHAR2 100	User Name
DESCRIPTION	VARCHAR2 255	Paying Entity Customer Relationship Manager Service Manager Service Administrator
CATEGORY	NUMBER	Hard-coded values: 1, 2, 3, 4 depending on the user role
ISDELETED	NUMBER 10	Tell if the Dimension has been removed
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

6.1.2 Time interval Tables

6.1.2.1 SLM_K_EVALPERIOD

435 This table contains all the past and current SLA Evaluation Periods.

Oracle Column Name	Oracle Datatype	Description
SLA_REF	NUMBER 10	Foreign key to the SLA Dimension
PERIODNAME	VARCHAR2 100	Concatenation of start date and End date
STARTDATE	DATE	Start date for the period
ENDDATE	DATE	End date for the period (Null if the period is not terminated)
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

6.1.2.2 SLM_K_SERVICEHOURS

This table is not used (see [Time Periods tables](#))

440

Oracle Column Name	Oracle Datatype	Description
SERVICE2SLA_REF	NUMBER 10	Foreign key to the Service2SLA Dimension
PERIODNAME	VARCHAR2 100	Concatenation of start date and End date
STARTDATE	DATE	Start date for the period
ENDDATE	DATE	End date for the period (Null if the period is not terminated)
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table
DSI_TABLE_KEY	NUMBER 10	Default secondary object and collection by-variable
DSI_DESCR	VARCHAR2 255	Text description of object
DSI_STATUS	NUMBER 3	The global status attribute for the managed object
DSI_STATUS_TIME	DATE	Timestamp of last status

6.1.2.3 SLM_K_PLANNEDDT

This table is not used (see [Time Periods tables](#))

Oracle Column Name	Oracle Datatype	Description
CI2SLA_REF	NUMBER 10	Foreign key to the CI2SLA Dimension
PERIODNAME	VARCHAR2 100	Concatenation of start date and End date
STARTDATE	DATE	Start date for the period
ENDDATE	DATE	End date for the period (Null if the period is not terminated)
DSI_TARGET_NAME	VARCHAR2 64	Default primary object and collection by-variable
DSI_KEY_ID	VARCHAR2 128	Identity for table

445

<i>DSI_TABLE_KEY</i>	<i>NUMBER 10</i>	<i>Default secondary object and collection by-variable</i>
<i>DSI_DESCR</i>	<i>VARCHAR2 255</i>	<i>Text description of object</i>
<i>DSI_STATUS</i>	<i>NUMBER 3</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>DATE</i>	<i>Timestamp of last status</i>

6.1.3 Views

6.1.3.1 SLM_KV_CI_LAST_STATUS

View showing CIs and their associated Evaluation periods status

Oracle Column Name	Alias	Description
CI2SLA_REF	CI2SLA_ref	Foreign key to the CI2SLA Dimension
CI_REF	CI_ref	Foreign key to the CI Dimension
CI_NAME	CI_Name	CI Name
CI_DESCRIPTION	CI_Description	CI Description
CI_OID	CI_OID	CI Entity OID
SLA_REF	sla_ref	Foreign key to the SLA Dimension
SLA_NAME	sla_Name	SLA Name
PAYINGENTITY_NAME		Customer Name
SERVICELEVEL		Servicelevel Name
LASTAVAILSTATUS	Lastavailstatus	Last known availability status for the CI
LASTAVAILSTATUS_FORMATTED	Last Availability status formatted	Formatted (text) representation of the Last known availability status for the CI
LASTSTATUS_DATE	Last status date	Last known availability status date
<i>DSI_KEY_ID</i>	<i>dsi_key_id</i>	<i>Identity for table</i>
<i>DSI_TARGET_NAME</i>	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
<i>DSI_TABLE_KEY</i>	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
<i>DSI_DESCR</i>	<i>dsi_descr</i>	<i>Text description of object</i>
<i>DSI_STATUS</i>	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

450

6.1.3.2 SLM_KV_CI_SVC_PARENT

Oracle Column Name	Alias	Description
PARENTSERVICE_REF	Parent Service ref	Foreign key to the Service Dimension identifying the parent Service
PARENTSERVICE_OID	Parent Service OID	Parent Service OID
PARENTSERVICE_NAME	ParentService_Name	Parent Service Name
PARENTSERVICE_DESCRIPTION	ParentService_Description	Parent Service Description
CHILDCI_REF	Child Ci ref	Foreign key to the CI Dimension identifying the child CI
CHILDCI_OID	Child Ci OID	Child CI OID
CHILDCI_NAME	ChildCi_Name	Child CI Name
CHILDCI_DESCRIPTION	ChildCi_Description	Child CI Description
CHILDCI2SLA_REF	Child Ci2SLA ref	Foreign key to the CI2SLA Dimension
CHILDCI_SLA_REF	Child Ci sla_ref	Foreign key to the SLA Dimension

CHILDCI_SLA_NAME	Child Ci sla_Name	Child CI SLA Name
CHILDCI_LASTAVAILSTATUS	CHILDCI_LASTAVAILSTATUS	Child CI last availability status
CHILDCI_LASTSTATUSDATE	CHILDCI_LASTSTATUSDATE	Timestamp of last status
DSI_KEY_ID	dsi_key_id	Identity for table
DSI_TARGET_NAME	dsi_target_name	Default primary object and collection by-variable
DSI_TABLE_KEY	dsi_table_key	Default secondary object and collection by-variable
DSI_DESCR	dsi_descr	Text description of object
DSI_STATUS	dsi_status	The global status attribute for the managed object
DSI_STATUS_TIME	dsi_status_time	Timestamp of last status

6.1.3.3 SLM_KV_CI2SLA_SHOWN_DURATION

455 This view is very specific to some of the OOTB reports. It allows the display of drop down boxes into the reports that allows the user to choose the reporting period of a graph by selecting a time unit (hour, day, week, month) and a number (1, 2, 3, 5, 10, 15, 20) from 2 combo boxes

Oracle Column Name	Alias	Description
QUANTITY	QUANTITY	Selectable numbers 1, 2, 3, 5, 10, 15, 20
UNIT_REF	UNIT_REF	Integer Ids for Unit Names
UNIT_NAME	UNIT_NAME	Time unit (hour, day, week, month)
BEGIN_DATE	BEGIN_DATE	Resulting time interval (start date)
FINAL_DATE	FINAL_DATE	Resulting time interval (end date)
DSI_KEY_ID	dsi_key_id	Identity for table
DSI_TARGET_NAME	dsi_target_name	Default primary object and collection by-variable
DSI_TABLE_KEY	dsi_table_key	Default secondary object and collection by-variable
DSI_DESCR	dsi_descr	Text description of object
DSI_STATUS	dsi_status	The global status attribute for the managed object
DSI_STATUS_TIME	dsi_status_time	Timestamp of last status

6.1.3.4 SLM_KV_CSLO2SLA

Oracle Column Name	Alias	Description
OID	OID	Entity OID
NAME	Name	Dimension Name
CSLO_OID	CSLO_OID	Compliance SLO OID
CSLOCATEGORY	CSLOCategory	Compliance SLO Category (infrastructure, standard,...)
SERVICE_REF	Service ref	Foreign key to the Service Dimension
METRIC_REF	Metric ref	Foreign key to the Metric Dimension
SERVICELEVEL_REF	Service Level ref	Foreign key to the ServiceLevel Dimension
SLA_REF	SLA ref	Foreign key to the SLA Dimension
SLANAME	SLA Name	Associated SLA Name
SERVICENAME	Service name	Associated Service Name
SERVICELEVELNAME	Service name	Associated Service Level Name
SLOOBJCONDITION	SLO Objectif condition	Not used
SLOOBJECTIVEVALUETYPE	SLO Objective value type	Not used
METRICNAME	Metric name	Metric name
METRICUNIT	Metric unit	Metric Unit

METRICCATEGORY	Metric value type	Metric Category (Standard, ...)
METRICDESCRIPTION	Metric Description	Not used
CSLODEF_REF	CSLO Definition ref	Foreign key to the CSLO2SLA Dimension (!)
OBJECTIVE1	Threshold Objective Value 1	
SEVERITY1	Threshold Severity 1	
OBJECTIVE2	Threshold Objective Value 2	
SEVERITY2	Threshold Severity 2	
OBJECTIVE3	Threshold Objective Value 3	
SEVERITY3	Threshold Severity 3	
OBJECTIVE4	Threshold Objective Value 4	
SEVERITY4	Threshold Severity 4	
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
DSI_TABLE_KEY	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
DSI_DESCR	<i>dsi_descr</i>	<i>Text description of object</i>
DSI_STATUS	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
DSI_STATUS_TIME	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

460 6.1.3.5 SLM_KV_CSLO2SLA_ALL_EVALP

View showing all ServiceMetric status (with or without associated Metric) by Evaluation periods

Oracle Column Name	Alias	Description
CSLO2SLA_REF	CSLO2SLA_ref	Foreign key to the CSLO2SLA Dimension
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
SERVICE_REF	Service ref	Foreign key to the Service Dimension
SERVICENAME	Service Name	Service Name
CSLONAME	CSLO Name	Compliance SLO Name
CSLOCATEGORY	CSLO Category	Compliance SLO Category
PERIODNAME	Period Name	Evaluation Period name (concat of start/end dates)
STARTDATE	Start Date	Evaluation Period start date
ENDDATE	End Date	Evaluation Period end date
FINALCOMPLSTATUS	FINALCOMPLSTATUS	Final CSLO Compliance status for the period
FINALCOMPLSTATUS_FORMATTED	FINALCOMPLSTATUS_FORMATTED	Final CSLO Compliance status for the period (textual)
FINALOBJSTATUS	FINALOBJSTATUS	Final CSLO objective status for the period
FINALOBJSTATUS_FORMATTED	FINALOBJSTATUS_FORMATTED	Final CSLO objective status for the period (Textual)
FINALSTATUS_DATE	FINALSTATUS_DATE	Timestamp of last status
COMPLIANCEPRC_ACHIEVED		Achieved Comp. % for the Eval Period
COMPLIANCEPRC_OBJECTIVE		Objective Comp. % for the Eval Period
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
DSI_TABLE_KEY	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>

<i>DSI_DESCR</i>	<i>dsi_descr</i>	<i>Text description of object</i>
<i>DSI_STATUS</i>	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

6.1.3.6 SLM_KV_CSLO2SLA_LAST_STATUS

View showing CSLO and their associated last status

Oracle Column Name	Alias	Description
CSLO2SLA_REF	CSLO2SLA_ref	Foreign key to the CSLO2SLA Dimension
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
SERVICE_REF	SERVICE_ref	Foreign key to the Service Dimension
METRIC_REF	METRIC_ref	Foreign key to the Metric Dimension
CSLO_NAME	CSLO_NAME	Compliance SLO Name
METRIC_NAME	METRIC_NAME	Metric Name
METRIC_DESCRIPTION	METRIC_DESCRIPTION	Not used
METRIC_UNIT	METRIC_UNIT	Metric definition Value type kernel code
METRIC_CATEGORY	METRIC_CATEGORY	Metric definition category type kernel code
LASTAVAILSTATUS	Lastavailstatus	Last known availability status
LASTAVAILSTATUS_FORMATTED	LASTAVAILSTATUS FORMATTED	Last known availability status (formatted)
LASTSTATUS_DATE	LASTSTATUS_DATE	Timestamp of last status
<i>DSI_KEY_ID</i>	<i>dsi_key_id</i>	<i>Identity for table</i>
<i>DSI_TARGET_NAME</i>	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
<i>DSI_TABLE_KEY</i>	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
<i>DSI_DESCR</i>	<i>dsi_descr</i>	<i>Text description of object</i>
<i>DSI_STATUS</i>	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

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6.1.3.7 SLM_KV_CSLO2SLA_METRIC_EVALP

View showing ServiceMetric status (with associated Metric) by Evaluation periods

Oracle Column Name	Alias	Description
CSLO2SLA_REF	CSLO2SLA_ref	Foreign key to the CSLO2SLA Dimension
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
SERVICE_REF	Service ref	Foreign key to the Service Dimension
METRICNAME	Metric Name	Metric Name
CSLONAME	CSLO Name	Compliance SLO Name
PERIODNAME	Period Name	Evaluation Period name (concat of start/end dates)
STARTDATE	Start Date	Evaluation Period start date
ENDDATE	End Date	Evaluation Period end date
FINALCOMPLSTATUS	FINALCOMPLSTATUS	Final CSLO Compliance status for the period
FINALCOMPLSTATUS_FORMATTED	FINALCOMPLSTATUS FORMATTED	Final CSLO Compliance status for the period (textual)
FINALOBJSTATUS	FINALOBJSTATUS	Final CSLO objective status for the period

FINALOBJSTATUS_FORMATTED	FINALOBJSTATUS_FORMATTED	Final CSLO objective status for the period (Textual)
FINALSTATUS_DATE	FINALSTATUS_DATE	Timestamp of last status
DSI_KEY_ID	dsi_key_id	Identity for table
DSI_TARGET_NAME	dsi_target_name	Default primary object and collection by-variable
DSI_TABLE_KEY	dsi_table_key	Default secondary object and collection by-variable
DSI_DESCR	dsi_descr	Text description of object
DSI_STATUS	dsi_status	The global status attribute for the managed object
DSI_STATUS_TIME	dsi_status_time	Timestamp of last status

470 **6.1.3.8 SLM_KV_CSLO2SLA_SHOWN_DURATION**

This view is very specific to some of the OOTB reports. It allows the display of drop down boxes into the reports that allows the user to choose the reporting period of a graph by selecting a time unit (hour, day, week, month) and a number (1, 2, 3, 5, 10, 15, 20) from 2 combo boxes.

Oracle Column Name	Alias	Description
QUANTITY	QUANTITY	Selectable numbers 1, 2, 3, 5, 10, 15, 20
UNIT_REF	UNIT_REF	Integer Ids for Unit Names
UNIT_NAME	UNIT_NAME	Time unit (hour, day, week, month)
BEGIN_DATE	BEGIN_DATE	Resulting time interval (start date)
FINAL_DATE	FINAL_DATE	Resulting time interval (end date)
DSI_KEY_ID	dsi_key_id	Identity for table
DSI_TARGET_NAME	dsi_target_name	Default primary object and collection by-variable
DSI_TABLE_KEY	dsi_table_key	Default secondary object and collection by-variable
DSI_DESCR	dsi_descr	Text description of object
DSI_STATUS	dsi_status	The global status attribute for the managed object
DSI_STATUS_TIME	dsi_status_time	Timestamp of last status

475 **6.1.3.9 SLM_KV_CSLOTHRESH**

Oracle Column Name	Alias	Description
REFERENCE	REFERENCE	'Threshold' followed by the number (1..4)
CSLODEF_REF	CSLODEF_REF	Foreign key to the CLSODef Dimension
NAME	NAME	Entity OID
OBJECTIVE	OBJECTIVE	Concatenation of operator and value
SEVERITY	SEVERITY	Minor, major, warning, critical
DSI_KEY_ID	dsi_key_id	Identity for table
DSI_TARGET_NAME	dsi_target_name	Default primary object and collection by-variable
DSI_TABLE_KEY	dsi_table_key	Default secondary object and collection by-variable
DSI_DESCR	dsi_descr	Text description of object
DSI_STATUS	dsi_status	The global status attribute for the managed object
DSI_STATUS_TIME	dsi_status_time	Timestamp of last status

6.1.3.10 SLM_KV_SERVICE

This view flattens the SLA, Service and Service2SLA tables, and gives details on all Service-SLA pairs.

Oracle Column Name	Alias	Description
SERVICE_NAME	service Name	Service Name
SERVICE_DESCRIPTION	Service Description	Service Description
SLA_NAME	SLA Name	SLA Name
SERVICEMANAGER_NAME	Service Manager Name	Service Manager Name
SERVICEMANAGER_REF	Service Manager ref	Foreign key to the User Dimension
SERVICEADM_NAME	Service Administrator Name	Service Administrator Name
SERVICEADM_REF	Service Administrator ref	Foreign key to the User Dimension
SERVICE_REF	Service ref	Foreign key to the Service Dimension
SLA_REF	SLA ref	Foreign key to the SLA Dimension
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
DSI_TABLE_KEY	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
DSI_DESCR	<i>dsi_descr</i>	<i>Text description of object</i>
DSI_STATUS	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
DSI_STATUS_TIME	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

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6.1.3.11 SLM_KV_SERVICE_EVALP

This View shows Services status at the end of SLA Evaluation Periods (for all Evaluation Periods that have facts)

Oracle Column Name	Alias	Description
SERVICE2SLA_REF	Service2SLA_ref	Foreign key to the Service2SLA Dimension
SERVICE_REF	Service_ref	Foreign key to the Service Dimension
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
SERVICENAME	ServiceName	Name of the Service
SERVICEDESCRIPTION	ServiceDescription	Description of the Service
SERVICEOID	ServiceOID	OID of the Service
STARTDATE	StartDate	Evaluation Period start date
ENDDATE	EndDate	Evaluation Period end date
PERIODNAME	PeriodName	Concatenation of start/end date
FINALCOMPLSTATUS	FinalComplStatus	Last known Compliance Status of the Service for the SLA in the Evaluation Period
FINALCOMPLSTATUS_FORMATTED	FINALCOMPLSTATUS FORMATTED	Formatted value (string) for the previous status
FINALOBJSTATUS	FinalObjStatus	Last known Objective Status of the Service for the SLA in the Evaluation Period
FINALOBJSTATUS_FORMATTED	FINALOBJSTATUS FORMATTED	Formatted value (string) for the previous status
FINALSTATUS_DATE	FinalStatus_Date	Time stamp of the above statuses
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>

DSI_TABLE_KEY	dsi_table_key	Default secondary object and collection by-variable
DSI_DESCR	dsi_descr	Text description of object
DSI_STATUS	dsi_status	The global status attribute for the managed object
DSI_STATUS_TIME	dsi_status_time	Timestamp of last status

485 **6.1.3.12 SLM_KV_SERVICE_EVALP_SUMMARY**

This view is just another representation of Service Statuses at the end of SLA Evaluation Periods given in the View [SLM KV SERVICE EVALP](#)

This view is very specific to some of the OOTB reports.

Oracle Column Name	Alias	Description
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
SERVICE_REF	SERVICE_ref	Foreign key to the SERVICE Dimension
STARTDATE	StartDate	SLA Evaluation Period start date
FIELD	field	'Description' 'Latest Compliance Status' 'Latest Objective Status' 'Latest Status Date'
VALUE	value	Value of the previous field.
DSI_KEY_ID	dsi_key_id	Identity for table
DSI_TARGET_NAME	dsi_target_name	Default primary object and collection by-variable
DSI_TABLE_KEY	dsi_table_key	Default secondary object and collection by-variable
DSI_DESCR	dsi_descr	Text description of object
DSI_STATUS	dsi_status	The global status attribute for the managed object
DSI_STATUS_TIME	dsi_status_time	Timestamp of last status

490 **6.1.3.13 SLM_KV_SERVICE_LAST_STATUS**

View showing Services and their associated last status

Oracle Column Name	Alias	Description
SERVICE2SLA_REF	Service2SLA_ref	Foreign key to the Service2SLA Dimension
SERVICE_REF	Service_ref	Foreign key to the Service Dimension
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
SLA_NAME	SLA_Name	Name of the SLA
SERVICE_NAME	Service_Name	Name of the Service
SERVICE_DESCRIPTION	Service_description	Description of the Service
SERVICE_OID	Service_oid	OID of the Service
SERVICEMANAGER_REF	Servicemanager_ref	Foreign key to the Service Manager
SERVICEMANAGER_NAME	Servicemanager_Name	Name of the Service Manager
SERVICEMANAGER_OID	Servicemanager_oid	OID of the Service Manager
PAYINGENTITY_NAME	PayingEntity_Name	Name of the customer
SERVICELEVEL	ServiceLevel	Name of the Service Level
LASTCOMPLSTATUS	Lastcomplstatus	Last known Compliance Status of the Service for the SLA.
LASTCOMPLSTATUS_FORMATTED	LASTCOMPLSTATUS FORMATTED	Formatted value (string) for the previous status
LASTPREDSTATUS	Lastpredstatus	Last known Predictive Compliance Status of the Service for the SLA.
LASTPREDSTATUS_FORMATTED	LASTPREDSTATUS FORMATTED	Formatted value (string) for the previous status

LASTAVAILSTATUS	Lastavailstatus	Last known Availability Status of the Service for the SLA.
LASTAVAILSTATUS_FORMATTED	LASTAVAILSTATUS FORMATTED	Formatted value (string) for the previous status
LASTSTATUS_DATE	LASTSTATUS DATE	Time stamp of the above statuses
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
DSI_TABLE_KEY	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
DSI_DESCR	<i>dsi_descr</i>	<i>Text description of object</i>
DSI_STATUS	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
DSI_STATUS_TIME	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

6.1.3.14 SLM_KV_SERVICE_LAST_STATUS_EXT

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This view is just another representation of Service Statuses given in the View [SLM_KV_SERVICE_LAST_STATUS](#)

This view is very specific to some of the OOTB reports.

Oracle Column Name	Alias	Description
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
SERVICE_REF	SERVICE_ref	Foreign key to the Service Dimension
FIELD	field	'Last Compliance Status' 'Last Predictive Compliance Status' 'Latest Status Date'
VALUE	value	Value of the previous field.
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
DSI_TABLE_KEY	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
DSI_DESCR	<i>dsi_descr</i>	<i>Text description of object</i>
DSI_STATUS	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
DSI_STATUS_TIME	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

6.1.3.15 SLM_KV_SERVICE_MGR

This view flattens the Service and User Dimension tables.

Oracle Column Name	Alias	Description
SERVICE_REF	service reference	Foreign key to the Service Dimension
SERVICE_OID	Service oid	Service OID
SERVICE_NAME	Service Name	Service Name
SERVICE_DESCRIPTION	Service Description	Service Description
SERVICEMANAGER_REF	Service Manager reference	Foreign key to the Service Manager Dimension
SERVICEMANAGER_OID	Service Manager OID	Service Manager OID
SERVICEMANAGER_NAME	Service Manager Name	Service Manager Name
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
DSI_TABLE_KEY	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
DSI_DESCR	<i>dsi_descr</i>	<i>Text description of object</i>

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<i>DSI_STATUS</i>	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

6.1.3.16 SLM_KV_SERVICE_PARENT

This view flattens the Service hierarchy.

Oracle Column Name	Alias	Description
PARENTSERVICE_REF	Parent Service ref	Foreign key to the Parent Service Dimension
PARENTSERVICE_OID	Parent Service OID	Parent Service OID
PARENTSERVICE_NAME	ParentService_Name	Parent Service Name
PARENTSERVICE_DESCRIPTION	ParentService_Description	Parent Service Description
CHILDSERVICE_REF	Child Service ref	Foreign key to the Child Service Dimension
CHILDSERVICE_OID	Child Service OID	OID of the Child Service
CHILDSERVICE_NAME	ChildService_Name	Name of the Child Service
CHILDSERVICE_DESCRIPTION	ChildService_Description	Description of the Child Service
CHILDSERVICE_SLA_NAME	Child Service sla_Name	Name of the SLA associated to the Child Service.
CHILDSERVICEMANAGER_REF	Child Service Manager ref	Foreign key to the User Dimension for the Child service.
CHILDSERVICEMANAGER_NAME	ChildService Manager_Name	Service Manager Name for the Child service
CHILDSERVICEMANAGER_OID	Child Service Manager OID	Service Manager OID for the Child service
CHILDSERVICE2SLA_REF	Child Service2SLA ref	Foreign key to the Service2SLA Dimension for the Child service
CHILDSERVICE_SLA_REF	Child Service sla_ref	Foreign key to the SLA Dimension for the Child service
CHILDSERVICE_LASTAVAILSTATUS	CHILDSERVICE LASTAVAILSTATUS	Last known Availability status for the Child Service
CHILDSERVICE_LASTSTATUSDATE	CHILDSERVICE LASTSTATUSDATE	Time stamp of the above statuses
<i>DSI_KEY_ID</i>	<i>dsi_key_id</i>	<i>Identity for table</i>
<i>DSI_TARGET_NAME</i>	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
<i>DSI_TABLE_KEY</i>	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
<i>DSI_DESCR</i>	<i>dsi_descr</i>	<i>Text description of object</i>
<i>DSI_STATUS</i>	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

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6.1.3.17 SLM_KV_SERVICE_SHOWN_DURATION

This view is very specific to some of the OOTB reports. It allows the display of drop down boxes into the reports that allows the user to choose the reporting period of a graph by selecting a time unit (hour, day, week, month) and a number (1, 2, 3, 5, 10, 15, 20) from 2 combo boxes.

Oracle Column Name	Alias	Description
QUANTITY	QUANTITY	Selectable numbers 1, 2, 3, 5, 10, 15, 20
UNIT_REF	UNIT_REF	Integer Ids for Unit Names
UNIT_NAME	UNIT_NAME	Time unit (hour, day, week, month)

BEGIN_DATE	BEGIN_DATE	Resulting time interval (start date)
FINAL_DATE	FINAL_DATE	Resulting time interval (end date)
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
DSI_TABLE_KEY	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
DSI_DESCR	<i>dsi_descr</i>	<i>Text description of object</i>
DSI_STATUS	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
DSI_STATUS_TIME	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

6.1.3.18 SLM_KV_SLA

510 This view flattens the SLA, User and ServiceLevel dimensions.

Oracle Column Name	Alias	Description
SLAOID	SLAOID	Entity OID
SLANAME	SLAName	SLA Name
DESCRIPTION	Description	SLA Description
STARTDATE	Start Date	SLA operational start date
ENDDATE	End Date	SLA operational end date
EVALUATIONPERIOD	EvaluationPeriod	'daily', 'weekly', 'monthly',...
PAYINGENTITY_REF	Paying Entity ref	Foreign key to the User Dimension
CRM_REF	CRM ref	Foreign key to the User Dimension
SERVICELEVEL_REF	Service Level ref	Foreign key to the Service Level Dimension
PAYINGENTITYNAME	Paying Entity Name	Name of the SLA Paying Entity
SERVICELEVELNAME	Service Level Name	Name of the Service Level
CRMNAME	CRM Name	Name of the SLA Customer Relationship Manager
PAYINGENTITYOID	Paying Entity OID	OID of the SLA Paying Entity
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
DSI_TABLE_KEY	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
DSI_DESCR	<i>dsi_descr</i>	<i>Text description of object</i>
DSI_STATUS	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
DSI_STATUS_TIME	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

6.1.3.19 SLM_KV_SLA_EVALP

This view shows for all SLAs the latest known value of the Compliance Status for each Evaluation Periods.

Oracle Column Name	Alias	Description
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
PERIODNAME	PeriodName	Concatenation of start/end date
PERIODNAME_FORMATTED	PeriodName_formatted	'From' + startDate + 'to' + endDate
STARTDATE	StartDate	Evaluation Period start date
ENDDATE	EndDate	Evaluation Period end date
FINALSTATUS	finalstatus	Last known Compliance Status of the Service for the SLA in the Evaluation Period
FINALSTATUS_FORMATTED	finalstatus_formatted	Formatted value (string) for the previous status
FINALSTATUS_DATE	finalstatus_date	Date for the previous status

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<i>DSI_KEY_ID</i>	<i>dsi_key_id</i>	<i>Identity for table</i>
<i>DSI_TARGET_NAME</i>	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
<i>DSI_TABLE_KEY</i>	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
<i>DSI_DESCR</i>	<i>dsi_descr</i>	<i>Text description of object</i>
<i>DSI_STATUS</i>	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

6.1.3.20 SLM_KV_SLA_EVALP_SUMMARY

This view is just another representation of data from the previous view.

Oracle Column Name	Alias	Description
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
STARTDATE	StartDate	SLA Evaluation Period start date
FIELD	field	'Start Date' 'End Date' 'Latest Status' 'Latest Status Date'
VALUE	value	Value of the previous field.
<i>DSI_KEY_ID</i>	<i>dsi_key_id</i>	<i>Identity for table</i>
<i>DSI_TARGET_NAME</i>	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
<i>DSI_TABLE_KEY</i>	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
<i>DSI_DESCR</i>	<i>dsi_descr</i>	<i>Text description of object</i>
<i>DSI_STATUS</i>	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

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6.1.3.21 SLM_KV_SLO2SLA

View showing detailed information about SLO

Oracle Column Name	Alias	Description
OID	OID	OID of the SLO2SLA Dimension
NAME	Name	Name of the SLO2SLA Dimension
METRIC_REF	METRIC_ref	Foreign key to the Metric Dimension
SERVICELLEVEL_REF		Foreign key to the ServiceLevel
SLO2SLA_REF		Foreign key to the SLO2SLA Dimension
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
CI_REF	CI_ref	Foreign key to the CI Dimension
SLANAME		Name of the SLA
SERVICELLEVEL_NAME		Name of the Service Level
METRIC_NAME	METRIC_NAME	Name of the metric
METRIC_DESCRIPTION	METRIC_DESCRIPTION	Not used
METRIC_UNIT	METRIC_UNIT	Metric definition Value type kernel code
METRIC_CATEGORY	METRIC_CATEGORY	Metric definition category type kernel code
SLO2SLA_REF	SLO2SLA_ref	Foreign key to the Dimension
<i>DSI_KEY_ID</i>	<i>dsi_key_id</i>	<i>Identity for table</i>
<i>DSI_TARGET_NAME</i>	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
<i>DSI_TABLE_KEY</i>	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
<i>DSI_DESCR</i>	<i>dsi_descr</i>	<i>Text description of object</i>
<i>DSI_STATUS</i>	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
<i>DSI_STATUS_TIME</i>	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

6.1.3.22 SLM_KV_SLO2SLA_LAST_STATUS

View showing SLO and their associated last status

Oracle Column Name	Alias	Description
SLA_REF	SLA_ref	Foreign key to the SLA Dimension
CI_REF	CI_ref	Foreign key to the CI Dimension
METRIC_REF	METRIC_ref	Foreign key to the Metric Dimension
METRIC_NAME	METRIC_NAME	Name of the metric
METRIC_DESCRIPTION	METRIC_DESCRIPTION	Not used
METRIC_UNIT	METRIC_UNIT	Metric definition Value type kernel code
METRIC_CATEGORY	METRIC_CATEGORY	Metric definition category type kernel code
LASTAVAILSTATUS	Lastavailstatus	Last known availability status
LASTAVAILSTATUS_FORMATTED	LASTAVAILSTATUS FORMATTED	Last known availability status (formatted)
LASTSTATUS_DATE	LASTSTATUS DATE	Timestamp of last status
SLO2SLA_REF	SLO2SLA_ref	Foreign key to the Dimension
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
DSI_TABLE_KEY	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
DSI_DESCR	<i>dsi_descr</i>	<i>Text description of object</i>
DSI_STATUS	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
DSI_STATUS_TIME	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

525 **6.1.3.23 SLM_KV_SLO2SLA_SHOWN_DURATION**

This view is very specific to some of the OOTB reports. It allows the display of drop down boxes into the reports that allows the user to choose the reporting period of a graph by selecting a time unit (hour, day, week, month) and a number (1, 2, 3, 5, 10, 15, 20) from 2 combo boxes.

Oracle Column Name	Alias	Description
QUANTITY	QUANTITY	Selectable numbers 1, 2, 3, 5, 10, 15, 20
UNIT_REF	UNIT_REF	Integer Ids for Unit Names
UNIT_NAME	UNIT_NAME	Time unit (hour, day, week, month)
BEGIN_DATE	BEGIN_DATE	Resulting time interval (start date)
FINAL_DATE	FINAL_DATE	Resulting time interval (end date)
DSI_KEY_ID	<i>dsi_key_id</i>	<i>Identity for table</i>
DSI_TARGET_NAME	<i>dsi_target_name</i>	<i>Default primary object and collection by-variable</i>
DSI_TABLE_KEY	<i>dsi_table_key</i>	<i>Default secondary object and collection by-variable</i>
DSI_DESCR	<i>dsi_descr</i>	<i>Text description of object</i>
DSI_STATUS	<i>dsi_status</i>	<i>The global status attribute for the managed object</i>
DSI_STATUS_TIME	<i>dsi_status_time</i>	<i>Timestamp of last status</i>

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6.2 Facts

6.2.1 Raw Data Tables

6.2.1.1 SLM_R_CI

CI fact table.

Oracle Column Name	Alias	OVPI data type	Description
INSTANTAVAILABILITY	InstantAvailability	snmp_enum	Availability status of the CI (ConfigurationItemStatus.CIAvailability)
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period
TABLE_KEY	table_key	snmp_char_string	OID of the dimension entity
TARGET_NAME	target_name	snmp_char_string	OID of the dimension entity

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6.2.1.2 SLM_R_CSLO

Compliance SLO fact table.

Oracle Column Name	Alias	OVPI data type	Description
COMPLIANCEPERCENT	CompliancePercent	snmp_integer	CSLO Compliance percent for the period. (ServiceMetricStatus.CompliancePct)
COMPLIANCESTATUS	ComplianceStatus	snmp_enum	CSLO Compliance status for the period. (ServiceMetricStatus.ComplianceStatus)
INSTANTCOMPL	InstantCompl	snmp_enum	Instant compliance of the CSLO. (ServiceMetricStatus.ObjectiveValue)
METRICVALUE	MetricValue	snmp_integer	Value of the metric associated to the CSLO
OBJECTIVEVALUE	ObjectiveValue	snmp_integer	Objective value (threshold) for the metric (ServiceMetricStatus.ObjectiveStatus)
PREDCOMPLPERCENT	PredComplPercent	snmp_integer	CSLO Predictive Compliance percent for the period. (ServiceMetricStatus.PredCompPct)
PREDCOMPSTATUS	PredCompStatus	snmp_enum	CSLO Predictive Compliance status for the period (ServiceMetricStatus.PredCompStatus)
TOTALVIOLTIME	TotalViolTime	snmp_integer	(ServiceMetricStatus.TotalViolationTime)
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period
TABLE_KEY	table_key	snmp_char_string	OID of the dimension entity
TARGET_NAME	target_name	snmp_char_string	OID of the dimension entity

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6.2.1.3 SLM_R_SERVICE

Service fact table.

Oracle Column Name	Alias	OVPI data type	Description
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AVAILSTATUS	AvailStatus	snmp_enum	Service Availability status for the period (ServiceStatusPerSLA. ObjectiveStatus)
COMPLIANCESTATUS	ComplianceStatus	snmp_enum	Service Compliance status for the period (ServiceStatusPerSLA. ComplianceStatus)
PREDCOMPSTATUS	PredCompStatus	snmp_enum	Service Predictive Compliance status (ServiceStatusPerSLA. PredCompStatus)
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period
TABLE_KEY	table_key	snmp_char_string	OID of the dimension entity
TARGET_NAME	target_name	snmp_char_string	OID of the dimension entity

6.2.1.4 SLM_R_SLA

SLA fact table.

Oracle Column Name	Alias	OVPI data type	Description
COMPLIANCESTATUS	ComplianceStatus	snmp_enum	Compliance status of the SLA for the period. (ServiceLevelAgreement.CompStatus)
PREDCOMPSTATUS	PredCompStatus	snmp_enum	Predictive Compliance status of the SLA for the period. (ServiceLevelAgreement.PredCompStatus)
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period
TABLE_KEY	table_key	snmp_char_string	OID of the dimension entity
TARGET_NAME	target_name	snmp_char_string	OID of the dimension entity

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6.2.1.5 SLM_R_SLO

SLO fact table.

Oracle Column Name	Alias	OVPI data type	Description
INSTANTCOMPL	InstantCompl	snmp_enum	Instant compliance of the SLO. (CIMetricStatus.ObjectiveStatus)
METRICVALUE	MetricValue	snmp_integer	Value of the metric associated to the SLO
OBJECTIVEVALUE	ObjectiveValue	snmp_integer	Objective value (threshold) for the metric (CIMetricStatus. ObjectiveValue)
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period
TABLE_KEY	table_key	snmp_char_string	OID of the dimension entity
TARGET_NAME	target_name	snmp_char_string	OID of the dimension entity

6.2.2 Views on Raw Data Tables

550 **6.2.2.1 SLM_RV_CI**

The role of this view is to offer the same schema for Rate CI data as in summarized CI tables: the CI Availability status from the original CI Rate table is converted into number of seconds for which this status was in each of these states (Achieved, Not Achieved, Not Computed).

Oracle Column Name	Alias	OVPI data type	Description
ACHIEVEDSECS	Achieved Secs	snmp_enum	Number of sec. the CI was Available during the period.
NOTACHIEVEDSECS	Not Achieved Secs	snmp_enum	Number of sec. the CI was not Available during the period.
NOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_enum	Number of sec. the CI availability status was not computed during the period.
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
DSI_KEY_ID	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

555 **6.2.2.2 SLM_RV_CI_STATUS_DIS**

This view is derived from the [SLM RV CI](#) view, it transforms the number of seconds into percentage of the period.

Oracle Column Name	Alias	OVPI data type	Description
ACHIEVEDPCT	Achieved %	snmp_enum	Percentage of the period the CI was Available.
NOTACHIEVEDPCT	Not Achieved %	snmp_enum	Percentage of the period the CI was Not Available.
NOTYETCOMPUTEDPCT	Not Yet Computed %	snmp_enum	Percentage of the period the CI availability status was not computed.
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
DSI_KEY_ID	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

6.2.2.3 SLM_RV_CSLO

560 The role of this view is to offer the same schema for Rate CSLO data as in summarized CSLO tables: the CSLO compliance statuses and availability status from the original CSLO Rate table is converted into number of seconds for which these statuses were in each of these states (Compliant, Jeopardy, Violated for Compliance. Achieved, Not Achieved and Not yet Computed for availability).

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Oracle Column Name	Alias	OVPI data type	Description
COMPLIANCEPERCENT	Compliance Percent	snmp_integer	Compliance percentage
PREDCOMPLPERCENT	PredComplPercent	snmp_integer	Predictive Compliance percentage
COMPLIANCESECS	Compliance Secs	snmp_enum	Number of sec. the compliance status

			was 'Compliant' state during the period
JEOPARDYSECS	Jeopardy Secs	snmp_enum	Number of sec. the compliance status was 'Jeopardy' state during the period
VIOLATIONSECS	Violation Secs	snmp_enum	Number of sec. the compliance status was 'Violated' state during the period
PCOMPLIANCESECS	Pred Compliance Secs	snmp_enum	Number of sec. the predictive compliance status was 'Compliant' state during the period
PJEOPARDYSECS	Pred Jeopardy Secs	snmp_enum	Number of sec. the predictive compliance status was 'Jeopardy' state during the period
PVIOLATIONSECS	Pred Violation Secs	snmp_enum	Number of sec. the predictive compliance status was 'Violated' state during the period
ACHIEVEDSECS	Achieved Secs	snmp_enum	Number of sec. the CLSO was achieved during the period.
NOTACHIEVEDSECS	Not Achieved Secs	snmp_enum	Number of sec. the CSLO was not achieved during the period.
NOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_enum	Number of sec. the CLO objective status was not computed during the period.
METRICVALUE	Metric Value	snmp_integer	Value of the Service Metric associated to the CSLO
OBJECTIVEVALUE	Objective Value	snmp_integer	Objective Value of the Service Metric associated to the CSLO
VIOLTIME	Violation Time	snmp_integer	Number of sec. the Objective Value has not been reached
<i>DELTA_TIME</i>	<i>delta_time</i>	<i>snmp_timeticks</i>	<i>Period length in sec. (Default 5mn)</i>
<i>DSI_KEY_ID_</i>	<i>dsi_key_id</i>	<i>numeric</i>	<i>Key id for the dimension</i>
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	<i>Period date and time</i>
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	<i>Number of samples for the period</i>

6.2.2.4 SLM_RV_SERVICE (Rate Service View)

570

The role of this view is to offer the same schema for Rate Service data as in summarized Service tables: the Service compliance status and availability status from the original Service Rate table is converted into number of seconds for which these statuses were in each of these states (Compliant, Jeopardy, Violated for Compliance. Achieved, Not Achieved and Not yet Computed for availability).

Oracle Column Name	Alias	OVPI data type	Description
COMPLIANCESECS	ComplianceSecs	snmp_integer	Number of sec. the compliance status was 'Compliant' state during the period
JEOPARDYSECS	JeopardySecs	snmp_integer	Number of sec. the compliance status was 'Jeopardy' state during the period
VIOLATIONSECS	ViolationSecs	snmp_integer	Number of sec. the compliance status was 'Violated' state during the period
PCOMPLIANCESECS	PComplianceSecs	snmp_integer	Number of sec. the predictive compliance status was 'Compliant' state during the

			period
PJEOPARDYSECS	PJeopardySecs	snmp_integer	Number of sec. the predictive compliance status was 'Jeopardy' state during the period
PVIOLATIONSECS	PViolationSecs	snmp_integer	Number of sec. the predictive compliance status was 'Violated' state during the period
ACHIEVEDSECS	Achieved Secs	snmp_enum	Number of sec. the Service was Available during the period.
NOTACHIEVEDSECS	Not Achieved Secs	snmp_enum	Number of sec. the Service was not Available during the period.
NOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_enum	Number of sec. the Service availability status was not computed during the period.
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

575 **6.2.2.5 SLM_RV_SERVICE_STATUS_DIS (Rate SERVICE status distribution View)**

This view is derived from the [SLM RV SERVICE](#) view, it transforms the number of seconds into percentage of the period

Oracle Column Name	Alias	OVPI data type	Description
COMPLIANCEPCT	Compliance %	numeric	Percentage of the period the compliance status was 'Compliant' state
JEOPARDYPCT	Jeopardy %	numeric	Percentage of the period the compliance status was 'Jeopardy' state
VIOLATIONPCT	Violation %	numeric	Percentage of the period the compliance status was 'Violated' state
ACHIEVEDPCT	Achieved %	snmp_enum	Percentage of the period the service was available
NOTACHIEVEDPCT	Not Achieved %	snmp_enum	Percentage of the period the service was not available
NOTYETCOMPUTEDPCT	Not Yet Computed %	snmp_enum	Percentage of the period the service availability was not calculated
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

580 **6.2.2.6 SLM_RV_SLA (Rate SLA View)**

The role of this view is to offer the same schema for Rate SLA data as in summarized SLA tables: the SLA compliance status from the original SLA Rate table is converted into number of seconds for which the status was in each of the 3 states (Compliant, Jeopardy, Violated).

Oracle Column Name	Alias	OVPI data type	Description
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COMPLIANCESECS	ComplianceSecs	snmp_integer	Number of sec. the compliance status was 'Compliant' state during the period
JEOPARDYSECS	JeopardySecs	snmp_integer	Number of sec. the compliance status was 'Jeopardy' state during the period
VIOLATIONSECS	ViolationSecs	snmp_integer	Number of sec. the compliance status was 'Violated' state during the period
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

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6.2.2.7 SLM_RV_SLA_EXT (Rate SLA extended View)

This view gives the last known Compliance and Predictive Compliance Status for SLAs. The statuses are provide both as enumerated type and formatted (cf [Compliance status](#)).

Oracle Column Name	Alias	OVPI data type	Description
COMPLIANCESTATUS	ComplianceStatus	snmp_enum	Compliance status of the SLA (enum)
COMPLSTATUS_FORMATTED	ComplStatus_Formatted	snmp_char_string	Compliance status of the SLA (formatted)
PREDCOMPSTATUS	PredCompStatus	snmp_enum	Predictive Compliance status of the SLA (enum)
PREDCOMPSTATUS_FORMATTED	PredCompStatus_Formatted	snmp_char_string	Predictive Compliance status of the SLA (formatted)
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

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6.2.2.8 SLM_RV_SLO

The role of this view is to offer the same schema for Rate SLO data as in summarized SLO tables: the SLO Availability status from the original SLO Rate table is converted into number of seconds for which this status was in each of there states (Achieved, Not Achieved, Not Computed).

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Oracle Column Name	Alias	OVPI data type	Description
ACHIEVEDSECS	Achieved Secs	snmp_enum	Number of sec. the LSO was Available during the period.
NOTACHIEVEDSECS	Not Achieved Secs	snmp_enum	Number of sec. the SLO was not Available during the period.
NOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_enum	Number of sec. the SLO availability status was not computed during the period.
METRICVALUE	Metric Value	snmp_integer	Value of the Metric associated to the SLO
OBJECTIVEVALUE	Objective Value	snmp_integer	Objective Value of the Metric associated to the SLO
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (Default 5mn)

<i>DSI_KEY_ID_</i>	<i>dsi_key_id</i>	<i>numeric</i>	Key id for the dimension
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	Period date and time
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	Number of samples for the period

6.2.3 Hourly summarized Data Tables

6.2.3.1 SLM_SH_CI

600 Hourly summarized CI facts (from [SLM R CI](#))

Oracle Column Name	Alias	OVPI data type	Description
TOTACHIEVEDSECS	Achieved Secs	snmp_integer	Number of sec. the CI was Available during the period.
TOTNOTACHIEVEDSECS	Not Achieved Secs	snmp_integer	Number of sec. the CI was not Available during the period.
TOTNOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_integer	Number of sec. the CI availability status was not computed during the period.
<i>DELTA_TIME</i>	<i>delta_time</i>	<i>snmp_timeticks</i>	Period length in sec (default 1h)
<i>TOTAL_SAMPLES</i>	<i>total_samples</i>	<i>snmp_integer</i>	Same as <i>TA_SAMPLES</i>
<i>DSI_KEY_ID_</i>	<i>dsi_key_id</i>	<i>numeric</i>	Key id for the dimension
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	Period date and time
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	Number of samples for the period

6.2.3.2 SLM_SH_CSLO

Hourly summarized CSLO facts (from [SLM R CSLO](#))

Oracle Column Name	Alias	OVPI data type	Description
AVGMETRICVALUE	Average Metric Value	snmp_integer	Average Metric Value
MINMETRICVALUE	Min Metric Value	snmp_integer	Min metric value
MAXMETRICVALUE	Max Metric Value	snmp_integer	Max Metric value
LSTOBJECTIVEVALUE	Last Objective Value	snmp_integer	Last objective Value
MAXCOMPLIANCEPERCENT	Max Compliance %	snmp_integer	Max Compliance percentage
MAXPREDCOMPLPERCENT	Max Pred Compl %	snmp_integer	Max Predictive Compliance percentage
MINCOMPLIANCEPERCENT	Min Compliance %	snmp_integer	Min Compliance percentage
MINPREDCOMPLPERCENT	Min Pred Compl %	snmp_integer	Min Predictive Compliance percentage
TOTCOMPLIANCESECS	Compliance Secs	snmp_integer	Number of sec. the compliance status was 'Compliant' state during the period
TOTJEOPARDYSECS	Jeopardy Secs	snmp_integer	Number of sec. the compliance status was 'Jeopardy' state during the period
TOTVIOLATIONSECS	Violation Secs	snmp_integer	Number of sec. the compliance status was 'Violated' state during the

			period
TOTPCOMPLIANCESECS	Pred Compliance Secs	snmp_integer	Number of sec. the predictive compliance status was 'Compliant' state during the period
TOTJEOPARDYSECS	Pred Jeopardy Secs	snmp_integer	Number of sec. the predictive compliance status was 'Jeopardy' state during the period
TOTVIOLATIONSECS	Pred Violation Secs	snmp_integer	Number of sec. the predictive compliance status was 'Violated' state during the period
TOTACHIEVEDSECS	Achieved Secs	snmp_integer	Number of sec. the CLSO was achieved during the period.
TOTNOTACHIEVEDSECS	Not Achieved Secs	snmp_integer	Number of sec. the CSLO was not achieved during the period.
TOTNOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_integer	Number of sec. the CLO objective status was not computed during the period.
TOTVIOLTIME	Total Violation Time	snmp_integer	Total violation time
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec (default 1h)
TOTAL_SAMPLES	total_samples	snmp_integer	Same as TA_SAMPLES
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

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6.2.3.3 SLM_SH_SERVICE

Hourly summarized Service facts (from [SLM_R_SERVICE](#))

Oracle Column Name	Alias	OVPI data type	Description
TOTCOMPLIANCESECS	Compliance Secs	snmp_integer	Number of sec. the compliance status was 'Compliant' state during the period
TOTJEOPARDYSECS	Jeopardy Secs	snmp_integer	Number of sec. the compliance status was 'Jeopardy' state during the period
TOTVIOLATIONSECS	Violation Secs	snmp_integer	Number of sec. the compliance status was 'Violated' state during the period
TOTPCOMPLIANCESECS	Pred Compliance Secs	snmp_integer	Number of sec. the predictive compliance status was 'Compliant' state during the period
TOTJEOPARDYSECS	Pred Jeopardy Secs	snmp_integer	Number of sec. the predictive compliance status was 'Jeopardy' state during the period
TOTVIOLATIONSECS	Pred Violation Secs	snmp_integer	Number of sec. the predictive compliance status was 'Violated' state during the period
TOTACHIEVEDSECS	Achieved Secs	snmp_integer	Number of sec. the Service was Available during the period.
TOTNOTACHIEVEDSECS	Not Achieved Secs	snmp_integer	Number of sec. the Service was not Available during the period.
TOTNOTYETCOMPUTEDSECS	Not Yet Computed	snmp_integer	Number of sec. the Service

	Secs		availability status was not computed during the period.
<i>DELTA_TIME</i>	<i>delta_time</i>	<i>snmp_timeticks</i>	<i>Period length in sec (default 1h)</i>
<i>TOTAL_SAMPLES</i>	<i>total_samples</i>	<i>snmp_integer</i>	<i>Same as TA_SAMPLES</i>
<i>DSI_KEY_ID_</i>	<i>dsi_key_id</i>	<i>numeric</i>	<i>Key id for the dimension</i>
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	<i>Period date and time</i>
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	<i>Number of samples for the period</i>

6.2.3.4 SLM_SH_SLA

610 Hourly summarized SLA facts (from [SLM_R_SLA](#))

Oracle Column Name	Alias	OVPI data type	Description
TOTCOMPLIANCESECS	TOTComplianceSecs	snmp_integer	Number of sec. the compliance status was 'Compliant' state during the period
TOTJEOPARDYSECS	TOTJeopardySecs	snmp_integer	Number of sec. the compliance status was 'Jeopardy' state during the period
TOTVIOLATIONSECS	TOTViolationSecs	snmp_integer	Number of sec. the compliance status was 'Violated' state during the period
<i>DELTA_TIME</i>	<i>delta_time</i>	<i>snmp_timeticks</i>	<i>Period length in sec (default 1h)</i>
<i>TOTAL_SAMPLES</i>	<i>total_samples</i>	<i>snmp_integer</i>	<i>Same as TA_SAMPLES</i>
<i>DSI_KEY_ID_</i>	<i>dsi_key_id</i>	<i>numeric</i>	<i>Key id for the dimension</i>
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	<i>Period date and time</i>
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	<i>Number of samples for the period</i>

6.2.3.5 SLM_SH_SLO

Hourly summarized SLO facts (from [SLM_R_SLO](#))

Oracle Column Name	Alias	OVPI data type	Description
AVGMETRICVALUE	Average Metric Value	snmp_integer	Average Metric Value
MINMETRICVALUE	Min Metric Value	snmp_integer	Min metric value
MAXMETRICVALUE	Max Metric Value	snmp_integer	Max Metric value
LSTOBJECTIVEVALUE	Last Objective Value	snmp_integer	Last objective Value
TOTACHIEVEDSECS	Achieved Secs	snmp_integer	Number of sec. the SLO was Available during the period.
TOTNOTACHIEVEDSECS	Not Achieved Secs	snmp_integer	Number of sec. the SLO was not Available during the period.
TOTNOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_integer	Number of sec. the SLO availability status was not computed during the period.
<i>DELTA_TIME</i>	<i>delta_time</i>	<i>snmp_timeticks</i>	<i>Period length in sec (default 1h)</i>
<i>TOTAL_SAMPLES</i>	<i>total_samples</i>	<i>snmp_integer</i>	<i>Same as TA_SAMPLES</i>
<i>DSI_KEY_ID_</i>	<i>dsi_key_id</i>	<i>numeric</i>	<i>Key id for the dimension</i>
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	<i>Period date and time</i>
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	<i>Number of samples for the period</i>

615 **6.2.4 Views on Hourly summarized Data Tables**

6.2.4.1 SLM_SHV_CI_STATUS_DIS

Hourly CI status distribution view. This view is directly derived from hourly summarized CI fact table, it transforms the number of seconds into percentage of the period.

Oracle Column Name	Alias	OVPI data type	Description
ACHIEVEDPCT	Achieved %	numeric	% of the hour the CI has been available
NOTACHIEVEDPCT	Not Achieved %	numeric	% of the hour the CI has been not available
NOTYETCOMPUTEDPCT	Not Yet Computed %	numeric	% of the hour the CI availability status has not been computed
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec.
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

620 **6.2.4.2 SLM_SHV_SERVICE_STATUS_DIS (Hourly Service status distribution View)**

This view is directly calculated from the Service Hourly summarized table and provides the distribution of the Service compliance and Service Availability over the hour (Percent of the hour the compliance status was Compliant/Jeopardy/Violated, percent of the hour the Availability status was Achieved/Not Achieved/Not Yet Computed).

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Oracle Column Name	Alias	OVPI data type	Description
COMPLIANCEPCT	Compliance Compliance %	numeric	% of the hour the compliance status is Compliant
JEOPARDYPCT	Compliance Jeopardy %	numeric	% of the hour the compliance status is Jeopardy
VIOLATIONPCT	Compliance Violation %	numeric	% of the hour the compliance status is Violated
ACHIEVEDPCT	Achieved %	snmp_enum	% of the hour the service has been available
NOTACHIEVEDPCT	Not Achieved %	snmp_enum	% of the hour the service has been unavailable
NOTYETCOMPUTEDPCT	Not Yet Computed %	snmp_enum	% of the hour the availability status has not been calculated
TA_PERIOD	ta_period	unix_time	Period length in sec.
TA_SAMPLES	ta_samples	snmp_integer	Key id for the dimension
DELTA_TIME	delta_time	snmp_timeticks	Period date and time
DSI_KEY_ID_	dsi_key_id	numeric	Number of samples for the period

6.2.5 Daily summarized Data Tables

6.2.5.1 SLM_SD_CI

Daily summarized CI facts (from [SLM_SH_CI](#))

Oracle Column Name	Alias	OVPI data type	Description
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TOTACHIEVEDSECS	Achieved Secs	snmp_integer	Number of sec. the CI was Available during the period.
TOTNOTACHIEVEDSECS	Not Achieved Secs	snmp_integer	Number of sec. the CI was not Available during the period.
TOTNOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_integer	Number of sec. the CI availability status was not computed during the period.
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (default 24h)
TOTAL_SAMPLES	total_samples	snmp_integer	Same as TA_SAMPLES
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

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6.2.5.2 SLM_SD_CSLO

Daily summarized CSLO facts (from [SLM_SH_CSLO](#))

Oracle Column Name	Alias	OVPI data type	Description
AVGMETRICVALUE	Average Metric Value	snmp_integer	Average Metric Value
MINMETRICVALUE	Min Metric Value	snmp_integer	Min metric value
MAXMETRICVALUE	Max Metric Value	snmp_integer	Max Metric value
LSTOBJECTIVEVALUE	Last Objective Value	snmp_integer	Last objective Value
MAXCOMPLIANCEPERCENT	Max Compliance Pct	snmp_integer	Max Compliance percentage
MAXPREDCOMPLPERCENT	Max Pred Compl Pct	snmp_integer	Max Predictive Compliance percentage
MINCOMPLIANCEPERCENT	Min Compliance Pct	snmp_integer	Min Compliance percentage
MINPREDCOMPLPERCENT	Min Pred Compl Pct	snmp_integer	Min Predictive Compliance percentage
TOTCOMPLIANCESECS	Compliance Secs	snmp_integer	Number of sec. the compliance status was 'Compliant' state during the period
TOTJEOPARDYSECS	Jeopardy Secs	snmp_integer	Number of sec. the compliance status was 'Jeopardy' state during the period
TOTVIOLATIONSECS	Violation Secs	snmp_integer	Number of sec. the compliance status was 'Violated' state during the period
TOTPCOMPLIANCESECS	Pred Compliance Secs	snmp_integer	Number of sec. the predictive compliance status was 'Compliant' state during the period
TOTPJEPARDYSECS	Pred Jeopardy Secs	snmp_integer	Number of sec. the predictive compliance status was 'Jeopardy' state during the period
TOTPVIOLATIONSECS	Pred Violation Secs	snmp_integer	Number of sec. the predictive compliance status was 'Violated' state during the period
TOTACHIEVEDSECS	Achieved Secs	snmp_integer	Number of sec. the CLSO was

			achieved during the period.
TOTNOTACHIEVEDSECS	Not Achieved Secs	snmp_integer	Number of sec. the CSLO was not achieved during the period.
TOTNOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_integer	Number of sec. the CLO objective status was not computed during the period.
TOTVIOLTIME	Total Violation Time	snmp_integer	Total violation time
TA_PERIOD	ta_period	unix_time	Period length in sec. (default 24h)
TOTAL_SAMPLES	total_samples	snmp_integer	Same as TA_SAMPLES
TA_SAMPLES	ta_samples	snmp_integer	Key id for the dimension
DELTA_TIME	delta_time	snmp_timeticks	Period date and time
DSI_KEY_ID_	dsi_key_id	numeric	Number of samples for the period

6.2.5.3 SLM_SD_SERVICE

635 Daily summarized Service facts (from [SLM_SH_SERVICE](#))

Oracle Column Name	Alias	OVPI data type	Description
TOTCOMPLIANCESECS	Compliance Secs	snmp_integer	Number of sec. the compliance status was 'Compliant' state during the period
TOTJEOPARDYSECS	Jeopardy Secs	snmp_integer	Number of sec. the compliance status was 'Jeopardy' state during the period
TOTVIOLATIONSECS	Violation Secs	snmp_integer	Number of sec. the compliance status was 'Violated' state during the period
TOTPCOMPLIANCESECS	Pred Compliance Secs	snmp_integer	Number of sec. the predictive compliance status was 'Compliant' state during the period
TOTPJEOPARDYSECS	Pred Jeopardy Secs	snmp_integer	Number of sec. the predictive compliance status was 'Jeopardy' state during the period
TOTPVIOLATIONSECS	Pred Violation Secs	snmp_integer	Number of sec. the predictive compliance status was 'Violated' state during the period
TOTACHIEVEDSECS	Achieved Secs	snmp_integer	Number of sec. the Service was Available during the period.
TOTNOTACHIEVEDSECS	Not Achieved Secs	snmp_integer	Number of sec. the Service was not Available during the period.
TOTNOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_integer	Number of sec. the Service availability status was not computed during the period.
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (default 24h)
TOTAL_SAMPLES	total_samples	snmp_integer	Same as TA_SAMPLES
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

6.2.5.4 SLM_SD_SLA

Daily summarized SLA facts (from [SLM_SH_SLA](#))

Oracle Column Name	Alias	OVPI data type	Description
TOTCOMPLIANCESECS	Compliance Secs	snmp_integer	Number of sec. the compliance status was 'Compliant' state during the period
TOTJEOPARDYSECS	Jeopardy Secs	snmp_integer	Number of sec. the compliance status was 'Jeopardy' state during the period
TOTVIOLATIONSECS	Violation Secs	snmp_integer	Number of sec. the compliance status was 'Violated' state during the period
DELTA_TIME	delta_time	snmp_timeticks	Period length in sec. (default 24h)
TOTAL_SAMPLES	total_samples	snmp_integer	Same as TA_SAMPLES
DSI_KEY_ID_	dsi_key_id	numeric	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

640 **6.2.5.5 SLM_SD_SLO**

Daily summarized SLO facts (from [SLM_SH_SLO](#))

Oracle Column Name	Alias	OVPI data type	Description
AVGMETRICVALUE	Average Metric Value	snmp_integer	Average Metric Value
MINMETRICVALUE	Min Metric Value	snmp_integer	Min metric value
MAXMETRICVALUE	Max Metric Value	snmp_integer	Max Metric value
LSTOBJECTIVEVALUE	Last Objective Value	snmp_integer	Last objective Value
TOTACHIEVEDSECS	Achieved Secs	snmp_integer	Number of sec. the SLO was Available during the period.
TOTNOTACHIEVEDSECS	Not Achieved Secs	snmp_integer	Number of sec. the SLO was not Available during the period.
TOTNOTYETCOMPUTEDSECS	Not Yet Computed Secs	snmp_integer	Number of sec. the SLO availability status was not computed during the period.
TA_PERIOD	ta_period	unix_time	Period length in sec. (default 24h)
TOTAL_SAMPLES	total_samples	snmp_integer	Same as TA_SAMPLES
TA_SAMPLES	ta_samples	snmp_integer	Key id for the dimension
DELTA_TIME	delta_time	snmp_timeticks	Period date and time
DSI_KEY_ID_	dsi_key_id	numeric	Number of samples for the period

6.2.6 Views on Daily summarized Data Tables

6.2.6.1 SLM_SDV_CI_STATUS_DIS

645 Daily CI status distribution view: This view is directly derived from daily summarized CI fact table, it transforms the number of seconds into percentage of the period.

Oracle Column Name	Alias	OVPI data type	Description
ACHIEVEDPCT	Achieved percentage	numeric	% of the day the CI has been

			available
NOTACHIEVEDPCT	Not Achieved percentage	numeric	% of the day the CI has been not available
NOTYETCOMPUTEDPCT	Not Yet Computed percentage	numeric	% of the day the CI availability status has not been computed
TA_PERIOD	ta_period	unix_time	Period length in sec.
TA_SAMPLES	ta_samples	snmp_integer	Key id for the dimension
DELTA_TIME	delta_time	snmp_timeticks	Period date and time
DSI_KEY_ID_	dsi_key_id	numeric	Number of samples for the period

6.2.6.2 SLM_SDV_CSLO_EXT

Daily CSLO threshold View. This view shows a subset of daily summarize CSLO fact table.

Oracle Column Name	Alias	OVPI data type	Description
AVGVALUE	Avg Metric value	snmp_integer	Average Metric Value
MAXVALUE	Max Metric value	snmp_integer	Min metric value
MINVALUE	Min Metric value	snmp_integer	Max Metric value
LSTOBJECTIVEVALUE	Last SLO objective value	snmp_integer	Last objective Value
MINCOMPLIANCEPERCENT	Min Compliance Percent	snmp_integer	Min Compliance percentage
MINPREDCOMPLPERCENT	Min Pred Compliance Percent	snmp_integer	Min Predictive Compliance percentage
TOTVIOLTIME	Total Violation Time	snmp_integer	Total violation time
TA_PERIOD	ta_period	unix_time	Period length in sec.
TA_SAMPLES	ta_samples	snmp_integer	Key id for the dimension
DELTA_TIME	delta_time	snmp_timeticks	Period date and time
DSI_KEY_ID_	dsi_key_id	numeric	Number of samples for the period

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6.2.6.3 SLM_SDV_CSLO_STATUS_PCT

This view is not used in OOTB Reports.

This view gives the distribution of the CSLO compliance percentage over the full associated SLA Evaluation Period. It is calculated by aggregating the daily Service compliance status distributions.

655

Oracle Column Name	Alias	OVPI data type	Description
EVP_ENDDATE	Evaluation period end date	unix_time	Evaluation Period Start date
EVP_STARTDATE	Evaluation period start date	unix_time	Evaluation Period End date
COMPLIANCEPERCENT	Compliance percentage	snmp_integer	% of time the CSLO was compliant during the evaluation period
JEOPARDYPERCENT	Jeopardy percentage	snmp_integer	% of time the CSLO was in jeopardy during the evaluation period
VIOLATIONPERCENT	Violation percentage	snmp_integer	% of time the CSLO was violated during the evaluation period
TA_PERIOD	ta_period	unix_time	Period length in sec.
TA_SAMPLES	ta_samples	snmp_integer	Key id for the dimension
DELTA_TIME	delta_time	snmp_timeticks	Period date and time
DSI_KEY_ID_	dsi_key_id	numeric	Number of samples for the period

6.2.6.4 SLM_SDV_SERVICE_STATUS_DIS (Daily Service status distribution View)

660

This view is directly calculated from the Service Daily summarized table and provides the distribution of the Service compliance and Service Availability over the day (Percent of the day the compliance status was Compliant/Jeopardy/Violated, percent of the day the Availability status was Achieved/Not Achieved/Not Yet Computed).

Oracle Column Name	Alias	OVPI data type	Description
COMPLIANCEPCT	Compliance %	numeric	% of the day the compliance status is Compliant
JEOPARDYPCT	Jeopardy %	numeric	% of the day the compliance status is Jeopardy
VIOLATIONPCT	Violation %	numeric	% of the day the compliance status is Violated
ACHIEVEDPCT	Achieved %	snmp_enum	% of the day the service has been available
NOTACHIEVEDPCT	Not Achieved %	snmp_enum	% of the day the service has been unavailable
NOTYETCOMPUTEDPCT	Not Yet Computed %	snmp_enum	% of the day the availability status has not been calculated
DSI_KEY_ID_	dsi_key_id	numeric	Period length in sec.
DELTA_TIME	delta_time	snmp_timeticks	Key id for the dimension
TA_PERIOD	ta_period	unix_time	Period date and time
TA_SAMPLES	ta_samples	snmp_integer	Number of samples for the period

6.2.6.5 SLM_SDV_SERVICE_STATUS_PCT (Daily SERVICE status percentage View)

665

This view is not used in OOTB Reports.

This view gives the distribution of the Service compliance status over the full associated SLA Evaluation Period. It is calculated by aggregating the daily Service compliance status distributions.

Oracle Column Name	Alias	OVPI data type	Description
EVP_ENDDATE	Evaluation period end date	unix_time	Evaluation Period Start date
EVP_STARTDATE	Evaluation period start date	unix_time	Evaluation Period End date
CCOMPLIANCEPERCENT	Compliance Compliance %	numeric	% of time the Service was compliant during the evaluation period
CJEOPARDYPERCENT	Jeopardy %	numeric	% of time the Service was in jeopardy during the evaluation period
CVIOLATIONPERCENT	Violation %	numeric	% of time the Service was violated during the evaluation period
OBJACHIEVEDPCT	Achieved %	numeric	% of time the Service was available during the evaluation period
OBJNOTACHIEVEDPCT	Not Achieved %	numeric	% of time the Service was not

			available during the evaluation period
OBJNOTYETCOMPUTEDPCT	Not Yet Computed %	numeric	% of time the Service availability was nor computed during the evaluation period
SERVICE_REF	Service reference	snmp_integer	Foreign key to the Service dimension
SLA_REF	SLA reference	snmp_integer	Foreign key to the SLA dimension
DELTA_TIME	<i>delta_time</i>	<i>snmp_timeticks</i>	<i>Period length in sec.</i>
DSI_KEY_ID_	<i>dsi_key_id</i>	<i>numeric</i>	<i>Key id for the dimension</i>
TA_PERIOD	<i>ta_period</i>	<i>unix_time</i>	<i>Period date and time</i>
TA_SAMPLES	<i>ta_samples</i>	<i>snmp_integer</i>	<i>Number of samples for the period</i>

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6.2.6.6 SLM_SDV_SLA_STATUS_DIS (Daily SLA status distribution View)

This view is directly calculated from the SLA Daily summarized table and provides the distribution of the compliance over the day (Percent of the day the compliance status was Compliant/Jeopardy/Violated)

Oracle Column Name	Alias	OVPI data type	Description
COMPLIANCEPERCENT	Compliance %	numeric	% of the day the compliance status is Compliant
JEOPARDYPERCENT	Jeopardy %	numeric	% of the day the compliance status is Jeopardy
VIOLATIONPERCENT	Violation %	numeric	% of the day the compliance status is Violated
TA_PERIOD	<i>ta_period</i>	<i>unix_time</i>	<i>Period date and time</i>
TA_SAMPLES	<i>ta_samples</i>	<i>snmp_integer</i>	<i>Key id for the dimension</i>
DELTA_TIME	<i>delta_time</i>	<i>snmp_timeticks</i>	<i>Period length in sec.</i>
DSI_KEY_ID_	<i>dsi_key_id</i>	<i>numeric</i>	<i>Number of samples for the period</i>

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6.2.6.7 SLM_SDV_SLA_STATUS_PCT (Daily SLA status percentage View)

This view is not used in OOTB Reports.

This view gives the distribution of the SLA compliance status over the full SLA Evaluation Period. It is calculated by aggregating the daily SLA compliance status distributions.

Oracle Column Name	Alias	OVPI data type	Description
EVP_ENDDATE	Evaluation period end date	unix_time	Evaluation Period Start date
EVP_STARTDATE	Evaluation period start date	unix_time	Evaluation Period End date
COMPLIANCEPERCENT	Compliance %	snmp_integer	% of time the SLA was compliant during the evaluation period
JEOPARDYPERCENT	Jeopardy %	snmp_integer	% of time the SLA was in jeopardy during the evaluation period
VIOLATIONPERCENT	Violation %	snmp_integer	% of time the SLA was violated during the evaluation period
TA_PERIOD	<i>ta_period</i>	<i>unix_time</i>	<i>Current date</i>
TA_SAMPLES	<i>ta_samples</i>	<i>snmp_integer</i>	<i>Key id for the dimension</i>
DELTA_TIME	<i>delta_time</i>	<i>snmp_timeticks</i>	<i>Period length in sec.</i>
DSI_KEY_ID_	<i>dsi_key_id</i>	<i>numeric</i>	<i>Number of samples for the period</i>

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6.3 Staging Tables

6.3.1 Staging tables for Dimensions

6.3.1.1 SLM_P_CI

Staging for [SLM_K_CI](#)

685

Oracle Column Name	Alias	OVPI data type	Description
NAME	Name	snmp_char_string	Concatenation of CI Name and SLA Name
OID	OID	snmp_char_string	Entity OID
CATEGORY	Category	numeric	CI Category
DESCRIPTION	Description	snmp_char_string	Not used
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID_	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

6.3.1.2 SLM_P_CI2SLA

Staging for [SLM_K_CI2SLA](#)

Oracle Column Name	Alias	OVPI data type	Description
CI	CI	snmp_char_string	Foreign key to Associated CI Dimension
DESCRIPTION	Description	snmp_char_string	Not used
NAME	Name	snmp_char_string	Concatenation of CI Name and SLA Name
OID	OID	snmp_char_string	Entity OID
SLA	SLA	snmp_char_string	Foreign key to Associated SLA Dimension
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID_	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

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6.3.1.3 SLM_P_CSLO2SLA

Staging for [SLM_K_CSLO2SLA](#)

Oracle Column Name	Alias	OVPI data type	Description
CSLO_OID	CSLO_OID	snmp_char_string	OID of the associated CSLO Entity

CSLOCATEGORY	CSLOCategory	snmp_char_string	Kernel Code that identify the CSLO category
CSLODEF	CSLODef	snmp_char_string	Foreign key to the CSLODefinition Dimension
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
METRIC	Metric	snmp_char_string	Foreign key to the Metric Dimension
NAME	Name	snmp_char_string	Service Metric Name
OID	OID	snmp_char_string	Entity OID
SERVICE	Service	snmp_char_string	Foreign key to the Service Dimension
SLA	SLA	snmp_char_string	Foreign key to the SLA Dimension
SLODEF	SLODEF	snmp_char_string	Foreign key to SLODefinition Dimension
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID_	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

695 **6.3.1.4 SLM_P_CSLODEF**

Staging for [SLM K CSLODEF](#)

Oracle Column Name	Alias	OVPI data type	Description
DESCRIPTION	Description	snmp_char_string	Not used
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
NAME	Name	snmp_char_string	Name of the associated Service Metric
OID	OID	snmp_char_string	Entity OID
SERVICELEVEL	ServiceLevel	snmp_char_string	Foreign key to the Service Level Dimension
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID_	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

700 **6.3.1.5 SLM_P_CSLOTHRESH**

Staging for [SLM K CSLOTHRESH](#)

Oracle Column Name	Alias	OVPI data type	Description
COMPLIMPACT	ComplImpact	snmp_char_string	Impact (Violated, Jeopardy, ...)
CSLODEF	CSLODef	snmp_char_string	Foreign key to the CSLODef Dimension
DESCRIPTION	Description	snmp_char_string	Not used
NAME	Name	snmp_char_string	Same as Entity OID
OBJCONDITION	ObjCondition	snmp_char_string	Condition operators (<, >, <=, >=, ==, !=)
OBJECTIVEVALUE	ObjectiveValue	snmp_char_string	Objective value as String
OBJECTIVEVALUETYPE	ObjectiveValueType	snmp_char_string	Value type (Percentage, ...)
OID	OID	snmp_char_string	Entity OID
SEVERITY	Severity	snmp_char_string	Severity (minor, major, warning, critical, ...)

ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID_	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

6.3.1.6 SLM_P_METRIC

Staging for [SLM K METRIC](#)

705

Oracle Column Name	Alias	OVPI data type	Description
DESCRIPTION	Description	snmp_char_string	Not used
METRICCATEGORY	MetricCategory	snmp_char_string	Metric definition category type kernel code
NAME	Name	snmp_char_string	Metric Name
OID	OID	snmp_char_string	Entity OID
UNIT	Unit	snmp_char_string	Metric definition Value type kernel code
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID_	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

6.3.1.7 SLM_P_PATH

Staging for [SLM K PATH](#)

Oracle Column Name	Alias	OVPI data type	Description
OID	OID	snmp_char_string	Concatenation of parent and child OIDs
NAME	Name	snmp_char_string	'srv-srv' or 'srv-ci' or 'ci-ci'
DESCRIPTION	Description	snmp_char_string	Not used
CHILDCI	ChildCI	snmp_char_string	Foreign key to the child CI service in case of 'srv-srv' associations. Null otherwise
CHILDSERVICE	ChildService	snmp_char_string	Foreign key to the child service in case of 'srv-ci' or 'ci-ci' associations. Null otherwise
PARENTCI	ParentCI	snmp_char_string	Foreign key to the parent CI in case of 'ci-ci' association. Null otherwise
PARENTSERVICE	ParentService	snmp_char_string	Foreign key to the parent service in case of 'srv-srv' or 'srv-ci' associations. Null otherwise
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
DSI_KEY_ID_	dsi_key_id	numeric	

<i>DELTA_TIME</i>	<i>delta_time</i>	<i>snmp_timeticks</i>	
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	
<i>TABLE_KEY</i>	<i>table_key</i>	<i>snmp_char_string</i>	
<i>TARGET_NAME</i>	<i>target_name</i>	<i>snmp_char_string</i>	

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6.3.1.8 SLM_P_SERVICE

Staging for [SLM_K_SERVICE](#)

Oracle Column Name	Alias	OVPI data type	Description
OID	OID	snmp_char_string	Entity OID
NAME	Name	snmp_char_string	Service Name
DESCRIPTION	Description	snmp_char_string	Service Description
SERVICEADM	ServiceAdm	snmp_char_string	Foreign key to the User Dimension
SERVICEMANAGER	ServiceManager	snmp_char_string	Foreign key to the User Dimension
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
<i>DSI_KEY_ID_</i>	<i>dsi_key_id</i>	<i>numeric</i>	
<i>DELTA_TIME</i>	<i>delta_time</i>	<i>snmp_timeticks</i>	
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	
<i>TABLE_KEY</i>	<i>table_key</i>	<i>snmp_char_string</i>	
<i>TARGET_NAME</i>	<i>target_name</i>	<i>snmp_char_string</i>	

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6.3.1.9 SLM_P_SERVICE2SLA

Staging for [SLM_K_SERVICE2SLA](#)

Oracle Column Name	Alias	OVPI data type	Description
OID	OID	snmp_char_string	Entity OID
NAME	Name	snmp_char_string	Name based on the concatenation of Service name and associated SLA name
DESCRIPTION	Description	snmp_char_string	Not used
SERVICE	SERVICE	snmp_char_string	Associated Service
SLA	SLA	snmp_char_string	Associated SLA
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
<i>DELTA_TIME</i>	<i>delta_time</i>	<i>snmp_timeticks</i>	
<i>DSI_KEY_ID_</i>	<i>dsi_key_id</i>	<i>numeric</i>	
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	
<i>TABLE_KEY</i>	<i>table_key</i>	<i>snmp_char_string</i>	
<i>TARGET_NAME</i>	<i>target_name</i>	<i>snmp_char_string</i>	

6.3.1.10 SLM_P_SERVICELEVEL

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Staging for [SLM_K_SERVICELEVEL](#)

Oracle Column Name	Alias	OVPI data type	Description
OID	OID	snmp_char_string	Entity OID
NAME	Name	snmp_char_string	Service Level Name
DESCRIPTION	Description	snmp_char_string	Service Level Description
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
<i>DSI_KEY_ID</i>	<i>dsi_key_id</i>	<i>numeric</i>	
<i>DELTA_TIME</i>	<i>delta_time</i>	<i>snmp_timeticks</i>	
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	
<i>TABLE_KEY</i>	<i>table_key</i>	<i>snmp_char_string</i>	
<i>TARGET_NAME</i>	<i>target_name</i>	<i>snmp_char_string</i>	

6.3.1.11 SLM_P_SLA

Staging for [SLM K SLA](#)

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Oracle Column Name	Alias	OVPI data type	Description
OID	OID	snmp_char_string	Entity OID
NAME	Name	snmp_char_string	SLA Name
DESCRIPTION	Description	snmp_char_string	SLA Description
EVALUATIONPERIOD	EvaluationPeriod	snmp_char_string	'daily', 'weekly', 'monthly',...
STARTDATE	StartDate	snmp_char_string	SLA operational start date
ENDDATE	EndDate	snmp_char_string	SLA operational end date
PAYINGENTITY	PayingEntity	snmp_char_string	Foreign key to the User Dimension
CRM	CRM	snmp_char_string	Foreign key to the User Dimension
SERVICELEVEL	ServiceLevel	snmp_char_string	Foreign key to the Service Level Dimension
ISACTIVATED	IsActivated	numeric	Not used
ISBLOCKED	IsBlocked	numeric	Not used
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
<i>DSI_KEY_ID</i>	<i>dsi_key_id</i>	<i>numeric</i>	
<i>DELTA_TIME</i>	<i>delta_time</i>	<i>snmp_timeticks</i>	
<i>TA_PERIOD</i>	<i>ta_period</i>	<i>unix_time</i>	
<i>TA_SAMPLES</i>	<i>ta_samples</i>	<i>snmp_integer</i>	
<i>TABLE_KEY</i>	<i>table_key</i>	<i>snmp_char_string</i>	
<i>TARGET_NAME</i>	<i>target_name</i>	<i>snmp_char_string</i>	

6.3.1.12 SLM_P_SLO2SLA

Staging for [SLM K SLO2SLA](#)

Oracle Column Name	Alias	OVPI data type	Description
OID	OID	snmp_char_string	Entity OID
NAME	Name	snmp_char_string	Concatenation of SLO name and associated SLA Name
CI	CI	snmp_char_string	Foreign key to the CI Dimension
METRIC	Metric	snmp_char_string	Foreign key to the Metric Dimension
SLA	SLA	snmp_char_string	Foreign key to the SLA Dimension

SLO_OID	SLO_OID	snmp_char_string	OID of the associated SLO
SLODEF	SLODef	snmp_char_string	Foreign key to the SLO Definition Dimension
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID_	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

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6.3.1.13 SLM_P_SLODEF

Staging for [SLM K SLODEF](#)

Oracle Column Name	Alias	OVPI data type	Description
OID	OID	snmp_char_string	Entity OID
NAME	Name	snmp_char_string	Metric Name
DESCRIPTION	Description	snmp_char_string	Not used
OBJCONDITION	ObjCondition	snmp_char_string	Condition operators (<, >, <=, >=, ==, !=)
OBJECTIVEVALUETYPE	ObjectiveValueType	snmp_char_string	Value type (Percentage, ...)
SERVICELEVEL	ServiceLevel	snmp_char_string	Foreign key to the Service Level Dimension
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
DSI_KEY_ID_	dsi_key_id	numeric	
DELTA_TIME	delta_time	snmp_timeticks	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

735

6.3.1.14 SLM_P_USER

Staging for [SLM K USER](#)

Oracle Column Name	Alias	OVPI data type	Description
OID	OID	snmp_char_string	Entity OID
NAME	Name	snmp_char_string	User Name
DESCRIPTION	Description	snmp_char_string	Paying Entity Customer Relationship Manager Service Manager Service Administrator
CATEGORY	Category	snmp_integer	Hard-coded values: 1, 2, 3, 4 depending on the user role
ISDELETED	IsDeleted	numeric	Tell if the Dimension has been removed
DSI_KEY_ID_	dsi_key_id	numeric	
DELTA_TIME	delta_time	snmp_timeticks	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	

TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

6.3.2 Staging tables for TimePeriods

740

6.3.2.1 SLM_P_EVALPERIOD

Staging for [SLM_K EVALPERIOD](#)

Oracle Column Name	Alias	OVPI data type	Description
SLA	SLA	snmp_char_string	Foreign key to the SLA Dimension
PERIODNAME	PeriodName	snmp_char_string	Concatenation of start date and End date
STARTDATE	StartDate	snmp_char_string	Start date for the period
ENDDATE	EndDate	snmp_char_string	End date for the period (Null if the period is not terminated)
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID_	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

6.3.2.2 SLM_P_SERVICEHOURS

745

Staging for [SLM_K SERVICEHOURS](#)

Oracle Column Name	Alias	OVPI data type	Description
SERVICE2SLA	SERVICE2SLA	snmp_char_string	Foreign key to the Service2SLA Dimension
PERIODNAME	PeriodName	snmp_char_string	Concatenation of start date and End date
STARTDATE	StartDate	snmp_char_string	Start date for the period
ENDDATE	EndDate	snmp_char_string	End date for the period (Null if the period is not terminated)
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID_	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

6.3.2.3 SLM_P_PLANNEDDT

750

Staging for [SLM_K PLANNEDDT](#)

Oracle Column Name	Alias	OVPI data type	Description
CI2SLA	CI2SLA	snmp_char_string	Foreign key to the CI2SLA Dimension
PERIODNAME	PeriodName	snmp_char_string	Concatenation of start date and End date

STARTDATE	StartDate	snmp_char_string	Start date for the period
ENDDATE	EndDate	snmp_char_string	End date for the period (Null if the period is not terminated)
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID_	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	
TABLE_KEY	table_key	snmp_char_string	
TARGET_NAME	target_name	snmp_char_string	

6.3.3 Logging tables for Facts

This table is a FIFO queue for incoming DataPoints in the Datafeeder.

755

Incoming DataPoints are enqueued in the this table as they arrive from SLM, then dequeued to be processed.

6.3.3.1 SLM_DATAPOINT

Oracle Column Name	Oracle Type	Description
ROW_ID	NUMBER(18)	Oracle Row Id
TIMESTAMP	NUMBER(14)	DP timestamp
OID	VARCHAR(100)	Entity OID
VALUE_TYPE	VARCHAR(50)	Metric Data Type: Integer, Double, Percentage, Boolean, TimePeriod
VALUE	VARCHAR(50)	Metric Value
INSTANCE_NAME	VARCHAR(225)	Entity instance Name (Debug/info)
CLASS_NAME	VARCHAR(225)	Entity Class Name
ATTRIB_NAME	VARCHAR(225)	Entity Attribute Name

6.3.4 Staging tables for Facts

760

These staging tables are populated with the DataPoints extracted from the [SLM_DATAPOINT](#) logging table. They are used to populate Fact and TimePeriod tables.

All the staging tables contain at least the 3 following columns:

- **OID:** OID of the corresponding ObjectServer Entity
- **TIMESTAMP:** Timestamp of the fact (date for which the metric has been generated)
- **DEL_FLAG:** Flag that indicates that the entity does not exist any more in ObjectServer (Deleted Entity, Expired SLA, ...)

765

The DataPoint Mapping column gives the Class Name and the Attribute Name of the ObjectServer entity for which the metric was generated (the value of the metric is the value of the specified Attribute, for the specified Class which instance is specified by the given OID).

770

6.3.4.1 SLM_STAG_CI

Staging table for [SLM_R_CI](#)

Oracle Column Name	Oracle Type	DataPoint Mapping (Class name / Attribute Name)
OID	VARCHAR(100)	
TIMESTAMP	NUMBER(14)	

DEL_FLAG	NUMBER(1)	
INSTANT_AVAIL	NUMBER(1)	ConfigurationItemStatus / CIAvailability

6.3.4.2 SLM_STAG_SLA

775 Staging table for [SLM_R_SLA](#)

Oracle Column Name	Oracle Type	DataPoint Mapping (Class name / Attribute Name)
OID	VARCHAR(100)	
TIMESTAMP	NUMBER(14)	
DEL_FLAG	NUMBER(1)	
COMP_STATUS	NUMBER(1)	ServiceLevelAgreement / CompStatus
PRED_COMP_STATUS	NUMBER(1)	ServiceLevelAgreement / PredCompStatus

6.3.4.3 SLM_STAG_SLO

780 Staging table for [SLM_R_SLO](#)

Oracle Column Name	Oracle Type	DataPoint Mapping (Class name / Attribute Name)
OID	VARCHAR(100)	
TIMESTAMP	NUMBER(14)	
DEL_FLAG	NUMBER(1)	
INSTANT_COMP	NUMBER(1)	CIMetricStatus / ObjectiveStatus
MVALUE	NUMBER(10,5)	Metric / null (key=METRIC_OID)
OBJ_VALUE	NUMBER(10,5)	CIMetricStatus / ObjectiveValue
METRIC_OID	VARCHAR(100)	ConfigurationItemMetric / MetricOID

6.3.4.4 SLM_STAG_SERVICE

Staging table for [SLM_R_SERVICE](#)

Oracle Column Name	Oracle Type	DataPoint Mapping (Class name / Attribute Name)
OID	VARCHAR(100)	
TIMESTAMP	NUMBER(14)	
DEL_FLAG	NUMBER(1)	
COMP_STATUS	NUMBER(1)	ServiceStatusPerSLA / ComplianceStatus
PCOMP_STATUS	NUMBER(1)	ServiceStatusPerSLA / PredCompStatus
AVAIL_STATUS	NUMBER(1)	ServiceStatusPerSLA / ObjectiveStatus

785

6.3.4.5 SLM_STAG_CSLO

Staging table for [SLM_R_CSLO](#)

Oracle Column Name	Oracle Type	DataPoint Mapping (Class name / Attribute Name)
OID	VARCHAR(100)	
TIMESTAMP	NUMBER(14)	
DEL_FLAG	NUMBER(1)	
COMP_PCT	NUMBER(7,4)	ServiceMetricStatus / CompliancePct

COMP_STATUS	NUMBER(1)	ServiceMetricStatus / ComplianceStatus
PCOMP_PCT	NUMBER(7,4)	ServiceMetricStatus / PredCompPct
PCOMP_STATUS	NUMBER(1)	ServiceMetricStatus / PredCompStatus
INSTANT_COMP	NUMBER(1)	ServiceMetricStatus / ObjectiveStatus
TOTAL_VIOL_TIME	NUMBER(10)	ServiceMetricStatus / TotalViolationTime
MVALUE	NUMBER(10,5)	Metric / null (key=METRIC_OID)
OBJ_VALUE	NUMBER(10,5)	ServiceMetricStatus / ObjectiveValue
METRIC_OID	VARCHAR(100)	ServiceMetric / MetricOID

790 **6.3.4.6 SLM_STAG_EVALPERIOD**

Staging table for [SLM_K_EVALPERIOD](#)

Oracle Column Name	Oracle Type	DataPoint Mapping (Class name / Attribute Name)
OID	VARCHAR(100)	
TIMESTAMP	NUMBER(14)	
DEL_FLAG	NUMBER(1)	
NAME	VARCHAR(255)	<i>Built from start / end date</i>
START_DATE	NUMBER(14)	ServiceLevelAgreement / EvaluationPeriod
END_DATE	NUMBER(14)	ServiceLevelAgreement / EvaluationPeriod

6.3.4.7 SLM_STAG_SERVICEHOURS

795 Staging table for [SLM_K_SERVICEHOURS](#)

Oracle Column Name	Oracle Type	DataPoint Mapping (Class name / Attribute Name)
OID	VARCHAR(100)	
TIMESTAMP	NUMBER(14)	
DEL_FLAG	NUMBER(1)	
NAME	VARCHAR(255)	<i>Built from start / end date</i>
START_DATE	NUMBER(14)	ServiceStatusPerSLA / ServiceHour
END_DATE	NUMBER(14)	ServiceStatusPerSLA / ServiceHour

6.3.4.8 SLM_STAG_PLANNEDDT

800 Staging table for [SLM_K_PLANNEDDT](#)

Oracle Column Name	Oracle Type	Description
OID	VARCHAR(100)	
TIMESTAMP	NUMBER(14)	
DEL_FLAG	NUMBER(1)	
NAME	VARCHAR(255)	<i>Built from start / end date</i>
START_DATE	NUMBER(14)	ConfigurationItemStatus / PlannedDT
END_DATE	NUMBER(14)	ConfigurationItemStatus / PlannedDT

6.4 Configuration and Log Tables

6.4.1 Dimensions

6.4.1.1 SLM_K_CONFIG

This table contains all SLM report pack configuration parameters:

- 805 • Logging Level: Level of logging into [SLM_R_PROCEDURELOG](#)
- EvalPeriod Aging: Data aging for the Evaluation periods: number of days SLA Evaluation Periods will be kept (default 365)
- TimeShift Aging: Data aging for the time shifts (Service Hours and Planned Downtimes): number of days time shifts will be kept (default 90)

810

Oracle Column Name	Alias	Description
CURRENT_STATUS	default=0	Current Parameter Value
DSI_TARGET_NAME	dsi_target_name	Parameter Name
DSI_KEY_ID	dsi_key_id	Identity for table
DSI_TABLE_KEY	dsi_table_key	Default secondary object and collection by-variable
DSI_DESCR	dsi_descr	Text description of object
DSI_STATUS	dsi_status	The global status attribute for the managed object
DSI_STATUS_TIME	dsi_status_time	Timestamp of last status

6.4.1.2 SLM_K_PROCEDURELOG

Oracle Column Name	Alias	Description
DSI_KEY_ID	dsi_key_id	Identity for table
DSI_TARGET_NAME	dsi_target_name	Default primary object and collection by-variable
DSI_TABLE_KEY	dsi_table_key	Default secondary object and collection by-variable
DSI_DESCR	dsi_descr	Text description of object
DSI_STATUS	dsi_status	Log level
DSI_STATUS_TIME	dsi_status_time	Timestamp of last status

6.4.2 Facts

6.4.2.1 SLM_R_PROCEDURELOG

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SLM Procedure Log Data Table

Oracle Column Name	Alias	OVPI data type	Description
LOG_MESSAGE	log_message	snmp_char_string	Message logged
STATUS	status	snmp_enum	Log level
DELTA_TIME	delta_time	snmp_timeticks	
DSI_KEY_ID	dsi_key_id	numeric	
TA_PERIOD	ta_period	unix_time	
TA_SAMPLES	ta_samples	snmp_integer	

6.5 Time Periods tables

These tables are standard OVPI tables.

820 6.5.1 DSI_SHIFT_SET

Oracle Column Name	Oracle Type	Description
SHIFT_SET_ID	NUMBER(3)	Primary key: Id of the shift set
TIME_ZONE_ID	NUMBER(3)	Reference to OVPI time zone
NAME	VARCHAR2(30)	Unique name of the shift set: For Planned downtimes: 'PDT_' + id of the CI For ServiceHours: 'SVH_' + id of the service
DESCR	VARCHAR2(255)	description

6.5.2 DSI_SHIFT

Oracle Column Name	Oracle Type	Description
NAME	VARCHAR2(30)	Name of the time interval: 'PDT_' or 'SVH_' + start date
HOUR_FROM	NUMBER(3)	Start hour (not used)
HOUR_TO	NUMBER(3)	Start mn (not used)
MINUTE_FROM	NUMBER(3)	End hour (not used)
MINUTE_TO	NUMBER(3)	End mn (not used)
SHIFT_SET_ID	NUMBER(3)	Foreign key to the shift set id
DESCR	VARCHAR2(255)	description
TYPE	NUMBER(3)	Use Hour from/To and Minute from/to to define the interval (recursive or not). Or use date from/to. Always 1 (use of date from/to)
DATE_FROM	DATE	Start date
DATE_TO	DATE	End date

7 Data types

825 7.1 Enumerations

7.1.1 Compliance status

This table shows the mapping between the enumerated (integer) value for the Compliance Status (SLA and Compliance SLO) as they appear in fact tables, and the formatted values provided by some views.

Enumeration value	Formatted value	Comments
0	Compliant	
1	Jeopardy	Jeopardy 1
2	Jeopardy	Jeopardy 2
3	Jeopardy	Jeopardy 3
4	Violated	
other	Unknown	

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7.1.2 Objective status

This table shows the mapping between the enumerated (integer) value for the Objective Status (for SLO) as they appear in fact tables, and the formatted values provided by some views.

Enumeration value	Formatted value
0	Not Achieved
1	Achieved
other	Not Yet Computed

835