

Foglight for Oracle 5.7.5.41

SQL PI Schema Reference Guide



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Legend

-  **WARNING:** A WARNING icon indicates a potential for property damage, personal injury, or death.
-  **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.
-  **IMPORTANT NOTE, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.

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SQL PI Repository Schema

Welcome to the *Foglight for Oracle SQL PI Schema Reference Guide*.

This guide provides conceptual information and instructions on how to query the SQL PI repository.

For more information, see the following topics:

- [About the SQL PI repository](#)
- [Connecting to the SQL PI repository](#)
- [Collected Metrics](#)
- [Table Data dictionary](#)

About the SQL PI repository

SQL PI allows you see enterprise-level performance at a glance. You can determine the root-cause of performance deviations and identify changes to your SQL Server environment quickly and easily. The repository allows to save historical data for up to three years and to be able to see the changes over the time.

Connecting to the SQL PI repository

SQL PI repository is based on a PostgreSQL® database (<http://www.postgresql.org>). Any Postgres database administration and development utility, such as *pgAdmin* (<http://www.pgadmin.org>), is sufficient to connect to the repository. In order to connect to the repository, you need the following information:

- Repository host— determined during the initial installation, could be on the Foglight Management Server host.
- Repository port— default port **5029**
- Repository database — **spioracle**
- Connection user and password — **postgres/postgres**

Your agent repository configuration can be found under the menu **Administration > Agents > Agent Status > (agent_name) > Edit Properties**. In the list of properties, search for the SQL PI properties:

- SQL PI Repository host name
- SQL PI Repository port
- SQL PI Repository database

The default user and password is **postgres**.

Collected Metrics

For detailed information, see the following topics:

- [General Tables](#)
- [Performance Metric \(Fact\) Tables](#)
- [Dimension Tables](#)
- [Change Tracking Data](#)

General Tables

General information related to the repository is stored in:

pa_repository - Repository Schema information

spiora_instance_dim - All monitored instances in the repository

spiora_general_config - Configuration used in the SPI engine per monitored instance

Performance Metric (Fact) Tables

The Fact tables hold the OLAP cube of the monitored instance performance data.

There are several categories that define the data that a Fact table holds, and as result the table name:

- Aggregation Level. The resolution to which the collected data is grouped.

Table 1. Aggregation level

Level	Description	Name
Instance	The entire monitored instance level	spiora_instance_..._fact_...
Unique Combination	Top n unique combinations of dimensions that assemble the cube.	spiora_unique_..._fact_...
Session	A more detailed grouping of the unique combinations with additional identifiers of the running session.	spiora_session_lock_fact_...

- Data Type. The type of performance metrics saved in the table.

Table 2. Data Type

Type	Name
Performance metrics	spiora_{level}_stat_fact_...
Wait events	spiora_{level}_wevent_fact_...
Lock events	spiora_{level}_lock_fact_...
Object I/O	spiora_{level}_object_io_fact_...
File I/O	spiora_{level}_file_io_fact_...

- Retention. The granularity of the data and the period for which it is saved (age), as derived from the retention policy.

Table 3. Retention

Granularity	Age	Name
1 minute	6 hours	spiora_{level}_{type}_fact_1m_<YYYYMMDDHH>00 NOTE: The tables in the 1m granularity level are partitioned, meaning a whole old table is dropped instead of deleting data in the table.
15 minutes	3 days	spiora_{level}_{type}_fact_15m
1 hour	2 weeks	spiora_{level}_{type}_fact_1h

Table 3. Retention

Granularity	Age	Name
6 hours	30 days	spiora_{level}_{type}_fact_6h
1 day	90 days	spiora_{level}_{type}_fact_1d
1 week	2 years	spiora_{level}_{type}_fact_1w

The suffix of the table indicates the starting time of the data in the table (GMT times), aligned to 6 hours (the age):

- <YYYYMMDD>0000 (between 00-06)
- <YYYYMMDD>0600 (between 06-12)
- <YYYYMMDD>1200 (between 12-18)
- <YYYYMMDD>1800 (between 18-24)

Dimension Tables

The Dimension tables hold additional information to explain some of the dimensions in the Fact tables, which their values are in the form of IDs.

Table 4. Dimension tables

Dimension	Description	Name
Syntax	Holds the text of the sql which matches the SQL ID in the syntax column in the Fact tables	spiora_syntax_dim_{suffix}
Plan	Holds the rows that assemble the plan that matches SQLs stored in the Fact table. These are identified both by SQL ID and by plan hash.	spiora_planm_dim_{suffix}

The suffix of the tables defines the granularity of the data stored in it:

- 1 _1m_<YYYYMMDDHH>00 - holds data for 6 hours.
- 2 Empty - holds data permanently.

Change Tracking Data

For detailed information, see the following topics:

- [Change Tracking Items](#)
- [Change Tracking Snapshots Tables](#)

Change Tracking Items

This table contains the record of changes per type over time:

- spiora_change_tracking_item

Change Tracking Snapshots Tables

These tables hold the latest state of a specific type of data, to be compared in each cycle to the state in the monitored instance and identify changes.

Table 5. Change Tracking Snapshots Tables

Type	Description	Name
Data files	The data files in the monitored instance.	spiora_ct_data_file_state
Disks	The disks in the monitored instance.	spiora_ct_disks_state
Instance properties	The properties of the monitored instance.	spiora_ct_instance_properties_state
Network interface	The network interfaces of the monitored instance system (Windows®).	spiora_ct_network_interface_state
Parameters	The parameters of the monitored instance system.	spiora_ct_parameters_state
Redo logs	The redo logs in the monitored instance.	spiora_ct_redo_log_state
Resources	The resource of the monitored instance system.	spiora_ct_resources_state
Swap space allocation	The space allocation in the monitored instance system (Windows).	spiora_ct_resources_state
User	The active users of the monitored instance.	spiora_ct_user_state

Table Data dictionary

Table 6. List of table names

Table Names
pa_repository
spiora_change_tracking_item
spiora_ct_data_file_state
spiora_ct_disks_state
spiora_ct_instance_properties_state
spiora_ct_network_interface_state
spiora_ct_parameters_state
spiora_ct_redo_log_state
spiora_ct_resources_state
spiora_ct_swap_space_allocation_state
spiora_ct_user_state
spiora_general_config
spiora_instance_dim
spiora_instance_lock_fact_15m
spiora_instance_lock_fact_1d
spiora_instance_lock_fact_1h
spiora_instance_lock_fact_1m_YYYYMMHH0600
spiora_instance_lock_fact_1m_YYYYMMHH1200
spiora_instance_lock_fact_1m_YYYYMMHH1800
spiora_instance_lock_fact_1m_YYYYMMHH0000
spiora_instance_lock_fact_1w
spiora_instance_lock_fact_6h

Table 6. List of table names

Table Names
spiora_instance_stat_fact_15m
spiora_instance_stat_fact_1d
spiora_instance_stat_fact_1h
spiora_instance_stat_fact_1m_YYYYMMHH0600
spiora_instance_stat_fact_1m_YYYYMMHH1200
spiora_instance_stat_fact_1m_YYYYMMHH1800
spiora_instance_stat_fact_1m_YYYYMMHH0000
spiora_instance_stat_fact_1w
spiora_instance_stat_fact_6h
spiora_instance_wevent_fact_15m
spiora_instance_wevent_fact_1d
spiora_instance_wevent_fact_1h
spiora_instance_wevent_fact_1m_YYYYMMHH0600
spiora_instance_wevent_fact_1m_YYYYMMHH1200
spiora_instance_wevent_fact_1m_YYYYMMHH1800
spiora_instance_wevent_fact_1m_YYYYMMHH0000
spiora_instance_wevent_fact_1w
spiora_instance_wevent_fact_6h
spiora_internal_stat_fact_15m
spiora_internal_stat_fact_1d
spiora_internal_stat_fact_1h
spiora_internal_stat_fact_1m_YYYYMMHH0600
spiora_internal_stat_fact_1m_YYYYMMHH1200
spiora_internal_stat_fact_1m_YYYYMMHH1800
spiora_internal_stat_fact_1m_YYYYMMHH0000
spiora_internal_stat_fact_1w
spiora_internal_stat_fact_6h
spiora_plan_dim
spiora_plan_dim_1m_YYYYMMHH0600
spiora_plan_dim_1m_YYYYMMHH1200
spiora_plan_dim_1m_YYYYMMHH1800
spiora_plan_dim_1m_YYYYMMHH0000
spiora_plan_syntax_history
spiora_sessions_lock_fact_15m
spiora_sessions_lock_fact_1d
spiora_sessions_lock_fact_1h
spiora_sessions_lock_fact_1m_YYYYMMHH0600
spiora_sessions_lock_fact_1m_YYYYMMHH1200
spiora_sessions_lock_fact_1m_YYYYMMHH1800
spiora_sessions_lock_fact_1m_YYYYMMHH0000
spiora_sessions_lock_fact_1w
spiora_sessions_lock_fact_6h

Table 6. List of table names

Table Names
spiora_sessions_stat_fact_15m
spiora_sessions_stat_fact_1d
spiora_sessions_stat_fact_1h
spiora_sessions_stat_fact_1m_YYYYMMHH0600
spiora_sessions_stat_fact_1m_YYYYMMHH1200
spiora_sessions_stat_fact_1m_YYYYMMHH1800
spiora_sessions_stat_fact_1m_YYYYMMHH0000
spiora_sessions_stat_fact_1w
spiora_sessions_stat_fact_6h
spiora_syntax_dim
spiora_syntax_dim_1m_YYYYMMHH0600
spiora_syntax_dim_1m_YYYYMMHH1200
spiora_syntax_dim_1m_YYYYMMHH1800
spiora_syntax_dim_1m_YYYYMMHH0000
spiora_unique_file_io_fact_15m
spiora_unique_file_io_fact_1d
spiora_unique_file_io_fact_1h
spiora_unique_file_io_fact_1m_YYYYMMHH0600
spiora_unique_file_io_fact_1m_YYYYMMHH1200
spiora_unique_file_io_fact_1m_YYYYMMHH1800
spiora_unique_file_io_fact_1m_YYYYMMHH0000
spiora_unique_file_io_fact_1w
spiora_unique_file_io_fact_6h
spiora_unique_lock_fact_15m
spiora_unique_lock_fact_1d
spiora_unique_lock_fact_1h
spiora_unique_lock_fact_1m_YYYYMMHH0600
spiora_unique_lock_fact_1m_YYYYMMHH1200
spiora_unique_lock_fact_1m_YYYYMMHH1800
spiora_unique_lock_fact_1m_YYYYMMHH0000
spiora_unique_lock_fact_1w
spiora_unique_lock_fact_6h
spiora_unique_object_io_fact_15m
spiora_unique_object_io_fact_1d
spiora_unique_object_io_fact_1h
spiora_unique_object_io_fact_1m_YYYYMMHH0600
spiora_unique_object_io_fact_1m_YYYYMMHH1200
spiora_unique_object_io_fact_1m_YYYYMMHH1800
spiora_unique_object_io_fact_1m_YYYYMMHH0000
spiora_unique_object_io_fact_1w
spiora_unique_object_io_fact_6h
spiora_unique_stat_fact_15m

Table 6. List of table names

Table Names

spiora_unique_stat_fact_1d
spiora_unique_stat_fact_1h
spiora_unique_stat_fact_1m_YYYYMMHH0600
spiora_unique_stat_fact_1m_YYYYMMHH1200
spiora_unique_stat_fact_1m_YYYYMMHH1800
spiora_unique_stat_fact_1m_YYYYMMHH0000
spiora_unique_stat_fact_1w
spiora_unique_stat_fact_6h
spiora_unique_wevent_fact_15m
spiora_unique_wevent_fact_1d
spiora_unique_wevent_fact_1h
spiora_unique_wevent_fact_1m_YYYYMMHH0600
spiora_unique_wevent_fact_1m_YYYYMMHH1200
spiora_unique_wevent_fact_1m_YYYYMMHH1800
spiora_unique_wevent_fact_1m_YYYYMMHH0000
spiora_unique_wevent_fact_1w
spiora_unique_wevent_fact_6h

For detailed information, see the following topics:

- [pa_repository](#)
- [spiora_instance_dim](#)
- [spiora_general_config](#)
- [spiora_instance_stat_fact](#)
- [spiora_instance_wevent_fact](#)
- [spiora_instance_lock_fact](#)
- [spiora_unique_stat_fact](#)
- [spiora_unique_wevent_fact](#)
- [spiora_unique_lock_fact](#)
- [spiora_unique_object_io_fact](#)
- [spiora_unique_file_io_fact](#)
- [spiora_sessions_stat_fact](#)
- [spiora_sessions_lock_fact](#)
- [spiora_syntax_dim](#)
- [spiora_plan_dim](#)
- [spiora_change_tracking_item](#)
- [spiora_ct_data_file_state](#)
- [spiora_ct_disks_state](#)
- [spiora_ct_instance_properties_state](#)
- [spiora_ct_network_interface_state](#)
- [spiora_ct_parameters_state](#)

- [spiora_ct_redo_log_state](#)
- [spiora_ct_resources_state](#)
- [spiora_ct_swap_space_allocation_state](#)
- [spiora_ct_user_state](#)

pa_repository

Table 7. pa_repository

Name	Data type	Not Null?	Primary Key?	Default	Comment
inserted_time	timestamp with time zone	No	No		
build_version	character varying (16383)	No	No		
db_version	character varying (256)	No	No		
is_in_upgrade	Smallint	No	No		

spiora_instance_dim

Table 8. spiora_instance_dim

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
create_date	timestamp with time zone	No	No		
updated_date	timestamp with time zone	No	No		
rac_instance_key	smallint	No	No		
instance_name	character varying(256)	No	No		
host	character varying(256)	No	No		
platform	character varying (256)	No	No		
db_version	character varying(256)	No	No		
spiora_version	character varying(256)	No	No		
additional_info	character varying(16383)	No	No		
monitored	integer	No	No		

spiora_general_config

Table 9. spiora_general_config

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
property_name	character varying (256)	No	No		
config_value	character varying (256)	No	No		

spiora_instance_stat_fact

Table 10. pass_instance_stat_fact

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sample_starttime	timestamp with time zone	No	No		
sample_endtime	timestamp with time zone	No	No		
sample_duration	bigint	No	No		
sorts	double precision	No	No		
executions	double precision	No	No		
fetches	double precision	No	No		
disk_reads	double precision	No	No		
direct_writes	double precision	No	No		
buffer_gets	double precision	No	No		
rows_processed	double precision	No	No		
cpu_time	double precision	No	No		
active_time	double precision	No	No		
elapsed_time	double precision	No	No		
wait_administrative	double precision	No	No		
wait_application	double precision	No	No		
wait_cluster	double precision	No	No		
wait_commit	double precision	No	No		
wait_concurrency	double precision	No	No		
wait_configuration	double precision	No	No		
wait_idle	double precision	No	No		
wait_network	double precision	No	No		
wait_other	double precision	No	No		
wait_scheduler	double precision	No	No		
wait_system_io	double precision	No	No		
wait_user_io	double precision	No	No		
wait_queueing	double precision	No	No		

spiora_instance_wevent_fact

Table 11. spiora_instance_wevent_fact

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sample_starttime	timestamp with time zone	No	No		
sample_endtime	timestamp with time zone	No	No		
sample_duration	bigint	No	No		

Table 11. spiora_instance_wevent_fact

Name	Data type	Not Null?	Primary Key?	Default	Comment
wait_event_name	character varying(256)	No	No		
category_name	character varying(256)	No	No		
event_duration	double precision	No	No		

spiora_instance_lock_fact

Table 12. spiora_instance_lock_fact

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sample_starttime	timestamp with time zone	No	No		
sample_endtime	timestamp with time zone	No	No		
sample_duration	bigint	No	No		
object_name	character varying(16383)	No	No		
blck_instance_name	character varying(256)	No	No		
blck_machine_name	character varying(256)	No	No		
blck_program_name	character varying(256)	No	No		
blck_db_user	character varying(256)	No	No		
event_duration	double precision	No	No		

spiora_unique_stat_fact

Table 13. spiora_unique_stat_fact

Name	Data type	Not Null?	Primary key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sample_starttime	timestamp with time zone	No	No		
sample_endtime	timestamp with time zone	No	No		
sample_duration	bigint	No	No		
database_name	character varying(256)	No	No		
machine_name	character varying(256)	No	No		
program_name	character varying(256)	No	No		
db_user	character varying(256)	No	No		
os_user	character varying(256)	No	No		
module	character varying(16383)	No	No		
action	character varying(16383)	No	No		
client_info	character varying(16383)	No	No		
command_name	character varying(256)	No	No		
sql_id	character varying(16383)	No	No		

Table 13. spiora_unique_stat_fact

plsql_object	character varying(16383)	No	No
consumer_group	character varying(16383)	No	No
service	character varying(16383)	No	No
sorts	double precision	No	No
executions	double precision	No	No
fetches	double precision	No	No
disk_reads	double precision	No	No
direct_writes	double precision	No	No
buffer_gets	double precision	No	No
rows_processed	double precision	No	No
cpu_time	double precision	No	No
active_time	double precision	No	No
elapsed_time	double precision	No	No
wait_administration	double precision	No	No
wait_application	double precision	No	No
wait_cluster	double precision	No	No
wait_commit	double precision	No	No
wait_concurrency	double precision	No	No
wait_configuration	double precision	No	No
wait_idle	double precision	No	No
wait_network	double precision	No	No
wait_other	double precision	No	No
wait_scheduler	double precision	No	No
wait_system_io	double precision	No	No
wait_user_io	double precision	No	No
wait_queueing	double precision	No	No

spiora_unique_wevent_fact

Table 14. spiora_unique_wevent_fact

Name	Data type	Not Null?	Primary key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sample_starttime	timestamp with time zone	No	No		
sample_endtime	timestamp with time zone	No	No		
sample_duration	bigint	No	No		
database_name	character varying(256)	No	No		
machine_name	character varying(256)	No	No		
program_name	character varying(256)	No	No		
db_user	character varying(256)	No	No		
os_user	character varying(256)	No	No		
module	character varying(16383)	No	No		

Table 14. spiora_unique_wevent_fact

action	character varying(16383)	No	No
client_info	character varying(16383)	No	No
command_name	character varying(256)	No	No
sql_id	character varying(16383)	No	No
plsql_object	character varying(16383)	No	No
consumer_group	character varying(16383)	No	No
service	character varying(16383)	No	No
wait_event_name	character varying(256)	No	No
category_name	character varying(256)	No	No
event_duration	double precision	No	No

spiora_unique_lock_fact

Table 15. spiora_unique_lock_fact

Name	Data type	Not Null?	Primary key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sample_starttime	timestamp with time zone	No	No		
sample_endtime	timestamp with time zone	No	No		
sample_duration	bigint	No	No		
database_name	character varying(256)	No	No		
machine_name	character varying(256)	No	No		
program_name	character varying(256)	No	No		
db_user	character varying(256)	No	No		
os_user	character varying(256)	No	No		
module	character varying(16383)	No	No		
action	character varying(16383)	No	No		
client_info	character varying(16383)	No	No		
command_name	character varying(256)	No	No		
sql_id	character varying(16383)	No	No		
plsql_object	character varying(16383)	No	No		
consumer_group	character varying(16383)	No	No		
service	character varying(16383)	No	No		
object_name	character varying(16383)	No	No		
blk_instance_name	character varying(256)	No	No		
blk_machine_name	character varying(256)	No	No		
blk_program_name	character varying(256)	No	No		
blk_db_user	character varying(256)	No	No		
event_duration	double precision	No	No		

spiora_unique_object_io_fact

Table 16. spiora_unique_object_io_fact

Name	Data type	Not Null?	Primary key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sample_starttime	timestamp with time zone	No	No		
sample_endtime	timestamp with time zone	No	No		
sample_duration	bigint	No	No		
database_name	character varying(256)	No	No		
machine_name	character varying(256)	No	No		
program_name	character varying(256)	No	No		
db_user	character varying(256)	No	No		
os_user	character varying(256)	No	No		
module	character varying(16383)	No	No		
action	character varying(16383)	No	No		
client_info	character varying(16383)	No	No		
command_name	character varying(256)	No	No		
sql_id	character varying(16383)	No	No		
plsql_object	character varying(16383)	No	No		
consumer_group	character varying(16383)	No	No		
service	character varying(16383)	No	No		
object_name	character varying(16383)	No	No		
logical_reads	double precision	No	No		
physical_reads	double precision	No	No		
db_block_changes	double precision	No	No		
physical_writes	double precision	No	No		
event_duration	double precision	No	No		

spiora_unique_file_io_fact

Table 17. spiora_unique_file_io_fact

Name	Data type	Not Null?	Primary key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sample_starttime	timestamp with time zone	No	No		
sample_endtime	timestamp with time zone	No	No		
sample_duration	bigint	No	No		
database_name	character varying(256)	No	No		
machine_name	character varying(256)	No	No		
program_name	character varying(256)	No	No		
db_user	character varying(256)	No	No		

Table 17. spiora_unique_file_io_fact

os_user	character varying(256)	No	No
module	character varying(16383)	No	No
action	character varying(16383)	No	No
client_info	character varying(16383)	No	No
command_name	character varying(256)	No	No
sql_id	character varying(16383)	No	No
plsql_object	character varying(16383)	No	No
consumer_group	character varying(16383)	No	No
service	character varying(16383)	No	No
file_name	character varying(16383)	No	No
disk_name	character varying(16383)	No	No
small_read_reqs	double precision	No	No
small_write_reqs	double precision	No	No
large_read_reqs	double precision	No	No
large_write_reqs	double precision	No	No
small_read_servicetime	double precision	No	No
small_write_servicetime	double precision	No	No
large_read_servicetime	double precision	No	No
large_write_servicetime	double precision	No	No
event_duration	double precision	No	No

spiora_sessions_stat_fact

Table 18. spiora_sessions_stat_fact

Name	Data type	Not Null?	Primary key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sample_starttime	timestamp with time zone	No	No		
sample_endtime	timestamp with time zone	No	No		
sample_duration	bigint	No	No		
sid	integer	No	No		
serial_number	integer	No	No		
logon_time	bigint	No	No		
client_pid	character varying(16383)	No	No		
database_name	character varying(256)	No	No		
machine_name	character varying(256)	No	No		
program_name	character varying(256)	No	No		
db_user	character varying(256)	No	No		
os_user	character varying(256)	No	No		
module	character varying(16383)	No	No		
action	character varying(16383)	No	No		
client_info	character varying(16383)	No	No		

Table 18. spiora_sessions_stat_fact

command_name	character varying(256)	No	No
sql_id	character varying(16383)	No	No
plsql_object	character varying(16383)	No	No
consumer_group	character varying(16383)	No	No
service	character varying(16383)	No	No
sorts	double precision	No	No
executions	double precision	No	No
fetches	double precision	No	No
disk_reads	double precision	No	No
direct_writes	double precision	No	No
buffer_gets	double precision	No	No
rows_processed	double precision	No	No
cpu_time	double precision	No	No
active_time	double precision	No	No
elapsed_time	double precision	No	No
wait_administrative	double precision	No	No
wait_application	double precision	No	No
wait_cluster	double precision	No	No
wait_commit	double precision	No	No
wait_concurrency	double precision	No	No
wait_configuration	double precision	No	No
wait_idle	double precision	No	No
wait_network	double precision	No	No
wait_other	double precision	No	No
wait_scheduler	double precision	No	No
wait_system_io	double precision	No	No
wait_user_io	double precision	No	No
wait_queueing	double precision	No	No

spiora_sessions_lock_fact

Table 19. spiora_sessions_lock_fact

Name	Data type	Not Null?	Primary key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sample_starttime	timestamp with time zone	No	No		
sample_endtime	timestamp with time zone	No	No		
sample_duration	bigint	No	No		
sid	integer	No	No		
serial_number	integer	No	No		
logon_time	bigint	No	No		
client_pid	character varying(16383)	No	No		

Table 19. spiora_sessions_lock_fact

database_name	character varying(256)	No	No
machine_name	character varying(256)	No	No
program_name	character varying(256)	No	No
db_user	character varying(256)	No	No
os_user	character varying(256)	No	No
module	character varying(16383)	No	No
action	character varying(16383)	No	No
client_info	character varying(16383)	No	No
command_name	character varying(256)	No	No
sql_id	character varying(16383)	No	No
plsql_object	character varying(16383)	No	No
consumer_group	character varying(16383)	No	No
service	character varying(16383)	No	No
object_name	character varying(16383)	No	No
blck_instance_name	character varying(256)	No	No
blck_sid	integer	No	No
blck_serial_number	integer	No	No
blck_machine_name	character varying(256)	No	No
blck_program_name	character varying(256)	No	No
blck_db_user	character varying(256)	No	No
event_duration	double precision	No	No

spiora_syntax_dim

Table 20. spiora_syntax_dim

Name	Data type	Not Null?	Primary key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
sql_id	character varying(16383)	No	No		
sql_text	character varying(16383)	No	No		
sql_short_text	character varying(256)	No	No		

spiora_plan_dim

Table 21. spiora_plan_dim

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
plan_hash_value	bigint	No	No		
sql_id	character varying(16383)	No	No		

Table 21. spiora_plan_dim

Name	Data type	Not Null?	Primary Key?	Default	Comment
resolving_time	timestamp with time zone	No	No		
plan_type	character varying(16383)	No	No		
operation	character varying(16383)	No	No		
options	character varying(16383)	No	No		
object_owner	character varying(16383)	No	No		
object_name	character varying(16383)	No	No		
object_alias	character varying(16383)	No	No		
object_type	character varying(16383)	No	No		
optimizer	character varying(16383)	No	No		
id	integer	No	No		
parent_id	integer	No	No		
depth	integer	No	No		
position	integer	No	No		
cost	bigint	No	No		
cardinality	bigint	No	No		
bytes	bigint	No	No		
cpu_cost	bigint	No	No		
io_cost	bigint	No	No		
temp_space	bigint	No	No		
access_predicates	character varying(16383)	No	No		
filter_predicates	character varying(16383)	No	No		
projection	character varying(16383)	No	No		
time	bigint	No	No		
con_id	smallint	No	No		

spiora_change_tracking_item

Table 22. spiora_change_tracking_item

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	Smallint	No	No		
inserted_time	timestamp with time zone	No	No		
category_main	character varying (16383)	No	No		
category	character varying (16383)	No	No		
change_type	character varying (16383)	No	No		
object_name_1	character varying (16383)	No	No		
object_name_2	character varying (16383)	No	No		
attribute	character varying (16383)	No	No		
new_value	character varying (16383)	No	No		
old_value	character varying (16383)	No	No		
change_datetime	timestamp without time zone	No	No		

Table 22. spiora_change_tracking_item

Name	Data type	Not Null?	Primary Key?	Default	Comment
change_by_user	character varying (16383)	No	No		
change_by_application	character varying (16383)	No	No		
change_by_server	character varying (16383)	No	No		

spiora_ct_data_file_state

Table 23. spiora_ct_data_file_state

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	Smallint	No	No		
inserted_time	timestamp with time zone	No	No		
file_name	character varying (16383)	No	No		
size_mb	integer	No	No		
file_status	character varying (16383)	No	No		
autoextensible	character varying (16383)	No	No		
maxbytes_mb	integer	No	No		
database_name	character varying (16383)	No	No		

spiora_ct_disks_state

Table 24. spiora_ct_disks_state

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
name	character varying(16383)	No	No		
caption	character varying(16383)	No	No		

spiora_ct_instance_properties_state

Table 25. spiora_ct_instance_properties_state

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
version	character varying(16383)	No	No		
log_mode	character varying(16383)	No	No		
force_logging	character varying(16383)	No	No		

spiora_ct_network_interface_state

Table 26. spiora_ct_network_interface_state

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
name	character varying(16383)	No	No		
caption	character varying(16383)	No	No		

spiora_ct_parameters_state

Table 27. spiora_ct_parameters_state

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
name	character varying(16383)	No	No		
value	character varying(16383)	No	No		

spiora_ct_redo_log_state

Table 28. spiora_ct_redo_log_state

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
group_number	integer	No	No		
size_mb	integer	No	No		
members	integer	No	No		

spiora_ct_resources_state

Table 29. spiora_ct_resources_state

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
physical_memory_gb	integer	No	No		
num_cpus	integer	No	No		
platform_name	character varying(16383)	No	No		

spiora_ct_swap_space_allocation_state

Table 30. spiora_ct_swap_space_allocation_state

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
name	character varying(16383)	No	No		
allocatedbasesize	integer	No	No		

spiora_ct_user_state

Table 31. spiora_ct_user_state

Name	Data type	Not Null?	Primary Key?	Default	Comment
instance_key	smallint	No	No		
inserted_time	timestamp with time zone	No	No		
username	character varying(16383)	No	No		
account_status	character varying(16383)	No	No		
default_tablespace	character varying(16383)	No	No		
profile	character varying(16383)	No	No		
database_name	character varying(16383)	No	No		

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