

# DSS\_ tables - Dashboard Service



This method of extracting information is deprecated. You should now use the [CAST RestAPI](#) to extract the information you require.

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This document provides a detailed description of each DSS\_ table provided in the Dashboard Service together with column information. Depending on your specific configuration, some tables/views may not be available.

Choose the item you would like to know more about from the menu above.

To extract the following information you can use this query in a Microsoft SQL Server environment:

```

SELECT
A.TABLE_NAME ,
B.COLUMN_NAME ,
B.DATA_TYPE ,
B.CHARACTER_MAXIMUM_LENGTH

FROM
INFORMATION_SCHEMA.TABLES A,
INFORMATION_SCHEMA.COLUMNS B

WHERE A.TABLE_NAME LIKE 'DSS_%'
AND A.TABLE_NAME = B.TABLE_NAME
AND A.TABLE_TYPE = 'BASE TABLE'

ORDER BY TABLE_NAME

```

## DSS\_CENTRAL\_SELECTION

This table stores modules which are selected for computation:

APPLICATION_ID	int	NULL	Module's parent application ID
COMPUTE_NOW	int	NULL	<ul style="list-style-type: none"> <li>• 0: not to compute</li> <li>• 1: to compute</li> </ul>
MODULE_ID	int	NULL	Module ID
SNAPSHOT_ID	int	NULL	Module's parent snapshot ID

## DSS\_CONFIG\_EXPORT

OBJECT_ID	int	NULL	Object ID
OBJECT_INDEX	int	NULL	Object index

## DSS\_DATE\_SNAPSHOT

This table stores date information about snapshots that have been generated

APPLICATION_ID	int	NULL	Constituent application ID
FUNCTIONAL_DATE	datetime	NULL	Snapshot generation date in the form MM/DD/YYYY
IS_COMPUTED	int	NULL	<ul style="list-style-type: none"> <li>• 1: real snapshot</li> <li>• 0: false snapshot</li> </ul>
SNAPSHOT_ID	int	NULL	Snapshot ID
TEXT_DATE	varchar	30	Snapshot generation date in the form YYYYMMDDHHMM

## DSS\_DIAGDETAILS

This table is used by the CAST Engineering Dashboard during a data computation after the finalization of snapshot for performance reasons.

This table is an extract of DSS\_METRIC\_RESULTS containing only pure violations. A "pure violation" is a simple violation (triplet object/quality rule/value), not an aggregate, grade or other Quality Rule.

CONTEXT_ID	int	NULL	The ID of the context you're looking at (the ID of the module)
DIAG_ID	int	NULL	CAST Quality Rule ID
DIAG_OBJ	int	NULL	CAST Quality Rule (optional) reference to a participating object (see Quality Rule description for more information)
DIAG_TEXT	varchar	1000	CAST Quality Rule (optional) text value (see Quality Rule description for more information)
DIAG_VALUE	float	NULL	CAST Quality Rule (optional) numerical value (see Quality Rule description for more information)
OBJECT_ID	int	NULL	ID number of the object as assigned in the Dashboard Service
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_FUNC\_MODULE\_LINKS

The table stores the functional modules and their parents:

MODULE_ID	int	NULL	Functional module ID
OBJECT_ID	int	NULL	Parent ID (object, Techno object, Organization object). The functional module is also a parent itself.
OBJECT_TYPE_ID	int	NULL	Parent type ID - see DSS_OBJECT_TYPES
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_HISTORY

Contains the trace of the procedures/Quality Rule procedures that are called during a snapshot generation process:

ACTION_DATE	datetime	NULL	This date on which the action started in the form MM/DD/YYYY
DESCRIPTION	varchar	500	The description of the action that has been carried out. For example: <i>The snapshot &lt;SNAPSHOT_ID&gt; is in the CAST AIP version &lt;CAST_VERSION&gt;. Consolidation mode is &lt;CONSOLIDATION_MODE&gt; for the snapshot &lt;SNAPSHOT_ID&gt;.</i>
HISTORY_ID	int	NULL	The order in which an action has been launched. This column was added to this table because the ACTION_DATE does not clearly highlight the exact order in which the actions are carried out.

## DSS\_IN\_LINKS

Entry table for transfer of data from the DSS\_LINKS table:

LINK_TYPE_ID	int	NULL	Link type ID. See DSS_LINK_TYPES.
NEXT_OBJECT_ID	int	NULL	ID of next object (callee)
PREVIOUS_OBJECT_ID	int	NULL	ID of previous object (caller)
SITE_ID	int	NULL	Snapshot ID

## DSS\_IN\_METRIC\_RESULTS

Entry table for transfer of data from the DSS\_METRIC\_RESULTS table:

METRIC_CHAR_VALUE	varchar	1000	When not null, the string result.
METRIC_ID	int	NULL	Quality Rule ID
METRIC_NUM_VALUE	float	NULL	When not null, the numeric result.
METRIC_OBJECT_ID	int	NULL	When not null or 0, the Dashboard Service OBJECT_ID of a target.
METRIC_VALUE_INDEX	int	NULL	<ul style="list-style-type: none"><li>• 0: grade</li><li>• 1: detail</li><li>• 2: total</li><li>• 10: smart ranking</li><li>• 11: smart ranking</li><li>• -1: status 1</li><li>• -2: status 2</li><li>• -3: status 3</li><li>• -4: status 4</li></ul>
OBJECT_ID	int	NULL	Object ID for the Quality Rule
SITE_ID	int	NULL	Site ID

## DSS\_IN\_OBJECTS

Entry table for transfer of data from the DSS\_OBJECTS table:

OBJECT_CHECKSUM	int	NULL	-
OBJECT_DESCRIPTION	varchar	1000	Object description
OBJECT_FULL_NAME	varchar	1000	Object full name

OBJECT_ID	int	NULL	Object ID - this ID is unique in the Dashboard Service. Use DSS_TRANSLATION_TABLE to find the ID of the Object in the Analysis Service.
OBJECT_NAME	varchar	255	Object name
OBJECT_TYPE_ID	int	NULL	Object type ID - see DSS_OBJECT_TYPES
SITE_ID	int	NULL	Site ID

## DSS\_LINK\_INFO

This table stores links per snapshot:

LINK_TYPE_ID	int	NULL	Link type ID. See DSS_LINK_TYPES.
NEXT_OBJECT_ID	int	NULL	ID of next object (callee)
PREVIOUS_OBJECT_ID	int	NULL	ID of previous object (caller)
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_LINK\_TYPES

This table stores the different types of link:

LINK_GROUP	int	NULL	Link group: <ul style="list-style-type: none"> <li>0: link without Status (for link: 1,3,4)</li> <li>1: link with status</li> </ul>
LINK_TYPE_DESCRIPTION	varchar	1000	Link description
LINK_TYPE_ID	int	NULL	Link type ID
LINK_TYPE_NAME	varchar	255	Link name

## DSS\_LINKS

LINK_TYPE_ID	int	NULL	Link type ID. See DSS_LINK_TYPES.
NEXT_OBJECT_ID	int	NULL	ID of next object (callee)
PREVIOUS_OBJECT_ID	int	NULL	ID of previous object (caller)

## DSS\_LOCKS

This table stores DSS locks - i.e. locks are set when an item is using the Dashboard Service:

HOST_NAME	varchar	255	Host name (for information display and connection validity check) - not available on all platforms
LOCK_NAME	varchar	255	Lock type name
LOCK_TIME	datetime	NULL	Date and time when lock was set in the form MM/DD/YYYY
PROGRAM_NAME	varchar	255	Program name (for information display and connection validity check) - not available on all platforms
SESSION_ID	int	NULL	Connection ID
SESSION_ID_2	int	NULL	Connection ID 2 (for connection validity check) - not available on all platforms
USER_NAME	varchar	255	User name (for information display and connection validity check) - not available on all platforms

## DSS\_LOG\_LINKS

Log table for saving transferred DSS\_LINKS table:

LINK_TYPE_ID	int	NULL	Link type ID. See DSS_LINK_TYPES.
NEXT_OBJECT_ID	int	NULL	ID of next object (callee)
PREVIOUS_OBJECT_ID	int	NULL	ID of previous object (caller)
SITE_ID	int	NULL	Site ID
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_LOG\_METRIC\_RESULTS

Log table for saving transferred DSS\_METRIC\_RESULTS table:

METRIC_CHAR_VALUE	varchar	1000	When not null, the string result.
METRIC_ID	int	NULL	Quality Rule ID
METRIC_NUM_VALUE	float	NULL	When not null, the numeric result.
METRIC_OBJECT_ID	int	NULL	When not null or 0, the Dashboard Service OBJECT_ID of a target.
METRIC_VALUE_INDEX	int	NULL	<ul style="list-style-type: none"> <li>• 0: grade</li> <li>• 1: detail</li> <li>• 2: total</li> <li>• 10: smart ranking</li> <li>• 11: smart ranking</li> <li>• -1: status 1</li> <li>• -2: status 2</li> <li>• -3: status 3</li> <li>• -4: status 4</li> </ul>
OBJECT_ID	int	NULL	Object ID for the Quality Rule
SITE_ID	int	NULL	Site ID
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_LOG\_METRIC\_SCOPES

Log table for saving transferred DSS\_METRIC\_SCOPES table:

COMPUTE_VALUE	int	NULL	-
METRIC_CHAR_VALUE	varchar	1000	When not null, the string result.
METRIC_ID	int	NULL	Quality Rule ID
METRIC_NUM_VALUE	float	NULL	When not null, the numeric result.
METRIC_OBJECT_ID	int	NULL	When not null or 0, the Dashboard Service OBJECT_ID of a target.
METRIC_PARENT_ID	int	NULL	Quality Rule parent ID
OBJECT_ID	int	NULL	Object ID used for the scope
OBJECT_PARENT_ID	int	NULL	Object parent ID used for the scope
SITE_ID	int	NULL	Site ID
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_LOG\_OBJECTS

Log table for saving transferred DSS\_OBJECTS table:

OBJECT_CHECKSUM	int	NULL	-
OBJECT_DESCRIPTION	varchar	1000	Object description
OBJECT_FULL_NAME	varchar	1000	Object full name
OBJECT_ID	int	NULL	Object ID - this ID is unique in the Dashboard Service. Use DSS_TRANSLATION_TABLE to find the ID of the Object in the Analysis Service.
OBJECT_NAME	varchar	255	Object name
OBJECT_TYPE_ID	int	NULL	Object type ID - see DSS_OBJECT_TYPES
SITE_ID	int	NULL	Site ID
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_METRIC\_DESCRIPTIONS

This table stores the description of the Quality Rules:

DESCRIPTION_TYPE_ID	int	NULL	Description type ID <ul style="list-style-type: none"> <li>• 0: Name</li> <li>• 1: Rationale</li> <li>• 2: Description</li> <li>• 3: Remediation</li> <li>• 4: Reference</li> <li>• 5: Sample</li> <li>• 6: Remediation sample</li> <li>• 7: Output</li> <li>• 8: Total</li> </ul>
LANGUAGE	varchar	200	Language used for description string: <ul style="list-style-type: none"> <li>• ENGLISH</li> <li>• FRENCH</li> <li>• GERMAN</li> <li>• ITALIAN</li> </ul>
METRIC_DESCRIPTION	varchar	1500	Quality Rule description string
METRIC_ID	int	NULL	Quality Rule ID

## DSS\_METRIC\_EXCEPTION\_STATUSES

This table stores the history of exceptions encountered during the previous snapshot generation processes:

METRIC_ID	int	NULL	ID of Quality Rule in exception
OBJECT_ID	int	NULL	ID of Object in exception
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_METRIC\_EXCEPTIONS

This table stores the exceptions encountered during current the snapshot generation process:

METRIC_ID	int	NULL	ID of Quality Rule in exception
OBJECT_ID	int	NULL	ID of Object in exception
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_METRIC\_EXECUTION\_LIST

This table contains a list of operations to execute during a snapshot generation process:

FLAT_INDEX	varchar	255	-
METRIC_CHILD_OR_VALUE	int	NULL	-
METRIC_ID	int	NULL	Quality Rule ID
METRIC_PARENT_ID	int	NULL	Quality Rule's parent ID
OPERATION_AGGREGATE	int	NULL	
OPERATION_DONE	int	NULL	<ul style="list-style-type: none"> <li>• 0: The operation has not made yet.</li> <li>• 1: The operation is finished.</li> <li>• 2: The operation is disabled.</li> <li>• 999: The operation is on the way.</li> <li>• 888: The operation was started, but cancelled.</li> </ul>
OPERATION_ID	int	NULL	-
OPERATION_PROCNAME	varchar	255	-
OPERATION_TYPE	int	NULL	<ul style="list-style-type: none"> <li>• 1: scope</li> <li>• 2: results</li> <li>• 3: aggregate</li> </ul>

## DSS\_METRIC\_FLAT\_TREE

Shows Quality Rules with Parent and Grandparent

FLAT_INDEX	varchar	255	-
FLAT_LEVEL	int	NULL	-
METRIC_GRAND_PARENT_ID	int	NULL	Quality Rule's grandparent ID
METRIC_ID	int	NULL	Quality Rule ID
METRIC_INDEX	int	NULL	
METRIC_PARENT_ID	int	NULL	Quality Rule's parent ID

## DSS\_METRIC\_FOLDERS

Internal Table, folders to delete before importing metric tree:

FOLDER_ID	int	NULL	FOLDER_ID of the branch to delete
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## DSS\_METRIC\_HISTO\_DELTA

This table stores delta flags on metrics between all snapshots

IS_PARAM_CHANGED	int	NULL	1 if Quality Rule parameters have changed, 0 otherwise
IS_THRESHOLD_CHANGED	int	NULL	1 if grade calculation thresholds have changed, 0 otherwise
IS_TREE_CHANGED	int	NULL	1 if child tree has changed, 0 otherwise
METRIC_ID	int	NULL	Quality Rule ID for delta examination
SNAPSHOT_ID	int	NULL	Snapshot ID for which change is defined

## DSS\_METRIC\_HISTO\_PARAMS

This table contains Quality Rule parameter values for each snapshot:

METRIC_ID	int	NULL	ID of the parametrized metric
OBJECT_TYPE_ID	int	NULL	Object type ID implied for the parameter. 0 if ignored - see DSS_OBJECT_TYPES
PARAM_CHAR_VALUE	varchar	1000	When the parameter type is string, this field contains the string.
PARAM_INDEX	int	NULL	Parameter index. First parameter index is 1.
PARAM_NUM_VALUE	float	NULL	When the parameter type is numeric, this field contains the numeric value.
SNAPSHOT_ID	int	NULL	SNAPSHOT_ID when parameter value is defined

## DSS\_METRIC\_HISTO\_THRESHOLDS

This table contains the threshold of Quality Rules for each snapshot:

METRIC_ID	int	NULL	Quality Rule ID for status distribution threshold
SNAPSHOT_ID	int	NULL	Snapshot ID when threshold value is defined
STATUS	int	NULL	Status (1-4 for Quality Rules with full distributions, 0 for binary diagnostics)
THRESHOLD_1	float	NULL	Percentage threshold between grades 1 and 2
THRESHOLD_2	float	NULL	Percentage threshold between grades 2 and 3
THRESHOLD_3	float	NULL	Percentage threshold between grades 3 and 4
THRESHOLD_4	float	NULL	Percentage threshold after grade 4

## DSS\_METRIC\_HISTO\_TREE

This table contains the Assessment Model by snapshot

AGGREGATE_WEIGHT	float	53	Weight of the current Quality Rule in order to compute the parent value.
METRIC_CRITICAL	int	NULL	1 when metric is a critical contribution for its parent, 0 otherwise
METRIC_ID	int	NULL	Quality Rule ID
METRIC_INDEX	int	NULL	Quality Rule index
METRIC_PARENT_ID	int	NULL	Quality Rule's parent ID

METRIC_TYPE	int	NULL	Metric type ID
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_METRIC\_PARAM\_TYPES

This table lists the type of parameter for each Quality Rule:

METRIC_ID	int	NULL	Quality Rule ID
OBJECT_TYPE_ID	int	NULL	The Object type involved - because the parameter value can vary depending on the type of object. E.g. the maximum number of characters per line of code is different in Cobol than in C++ - see DSS_OBJECT_TYPES
PARAM_DESCRIPTION	varchar	1000	The parameter description, e.g.: "Maximum number of characters per line of code"
PARAM_INDEX	int	NULL	The index of parameter - the first parameter starts at 1.
PARAM_NAME	varchar	255	Parameter name, e.g.: "Maximum length"
PARAM_TYPE	int	NULL	The parameter type: <ul style="list-style-type: none"> <li>• 0: float</li> <li>• 1: text</li> <li>• 2: integer</li> <li>• 100: float list</li> <li>• 101: text list</li> <li>• 102: integer list</li> </ul>

## DSS\_METRIC\_PARAM\_VALUES

This table lists the parameter value for each Quality Rule:

METRIC_ID	int	NULL	ID of the parametrized metric
OBJECT_TYPE_ID	int	NULL	Object type ID implied for the parameter. 0 if ignored - see DSS_OBJECT_TYPES
PARAM_CHAR_VALUE	varchar	1000	When the parameter type is string, this field contains the string.
PARAM_INDEX	int	NULL	Parameter index. First parameter index is 1.
PARAM_NUM_VALUE	float	NULL	When the parameter type is numeric, this field contains the numeric value.

## DSS\_METRIC\_RESULTS

This table stores the results of the Quality Rule calculation for a given snapshot:

METRIC_CHAR_VALUE	varchar	1000	When not null, the string result.
METRIC_ID	int	NULL	Quality Rule ID
METRIC_NUM_VALUE	float	NULL	When not null, the numeric result.
METRIC_OBJECT_ID	int	NULL	When not null or 0, the Dashboard Service OBJECT_ID of a target.
METRIC_VALUE_INDEX	int	NULL	<ul style="list-style-type: none"> <li>• 0: grade</li> <li>• 1: detail</li> <li>• 2: total</li> <li>• 10: smart ranking</li> <li>• 11: smart ranking</li> <li>• -1: status 1</li> <li>• -2: status 2</li> <li>• -3: status 3</li> <li>• -4: status 4</li> </ul>
OBJECT_ID	int	NULL	Object ID for the Quality Rule
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_METRIC\_RUN\_HISTORY

Internal Table, metrics already processed during computing:

METRIC_ID	int	NULL	Quality Rule ID of the processed scope
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METRIC_PARENT_ID	int	NULL	Quality Rule parent ID of the processed scope
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## DSS\_METRIC\_SCOPES

This table stores objects returned by Quality Rules

COMPUTE_VALUE	int	NULL	<ul style="list-style-type: none"> <li>0: metric values to be computed</li> <li>1: metric values already computed on central</li> <li>2: metric values already computed on local</li> </ul>
METRIC_CHAR_VALUE	varchar	1000	When not null, the string result.
METRIC_ID	int	NULL	Quality Rule ID
METRIC_NUM_VALUE	float	NULL	When not null, the numeric result.
METRIC_OBJECT_ID	int	NULL	When not null or 0, the Dashboard Service OBJECT_ID of a target.
METRIC_PARENT_ID	int	NULL	Quality Rule parent ID
OBJECT_ID	int	NULL	Object ID used for the scope
OBJECT_PARENT_ID	int	NULL	Object parent ID used for the scope
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_METRIC\_SIDE\_PROCESS

This table lists treatments that occur before a snapshot or after a snapshot:

OPERATION_DESCRIPTION	varchar	1000	<ul style="list-style-type: none"> <li>0: Treatment before the snapshot</li> <li>1: Treatment after the snapshot</li> <li>2: Treatment for re-consolidation</li> <li>-1 : Treatment after snapshot deletion</li> </ul>
OPERATION_ID	int	NULL	ID denoting order of execution
OPERATION_PROCNAME	varchar	255	Indicates the the name of the procedure governing the treatment
PROCESS_NAME	varchar	255	-
PROCESS_SIDE	int	NULL	-

## DSS\_METRIC\_STATUS\_THRESHOLDS

This table stores thresholds (in percentages) for calculating the grade from the distribution of statute:

METRIC_ID	int	NULL	Quality Rule ID
STATUS	int	NULL	Status (1-4 for Quality Rules with full distributions, 0 for binary diagnostics)
THRESHOLD_1	float	NULL	Percentage threshold between grades 1 and 2
THRESHOLD_2	float	NULL	Percentage threshold between grades 2 and 3
THRESHOLD_3	float	NULL	Percentage threshold between grades 3 and 4
THRESHOLD_4	float	NULL	Percentage threshold after grade 4

## DSS\_METRIC\_TYPE\_TREES

Definition of Quality Rule hierarchy:

AGGREGATE_WEIGHT	float	NULL	Weight of the current Quality Rule in order to compute the parent value.
METRIC_CRITICAL	int	NULL	1 when metric is a critical contribution for its parent.
METRIC_ID	int	NULL	Quality Rule ID
METRIC_INDEX	int	NULL	Default execution order. If the Quality Rules are independent, all values can be set to 1.
METRIC_PARENT_ID	int	NULL	Quality Rule parent ID
METRIC_SCOPE_PROCEDURE_NAME	varchar	255	Scope procedure executed for the current (METRIC_PARENT_ID, METRIC_ID)
METRIC_SCOPE_PROCEDURE_NAME_2	varchar	255	Scope procedure executed for the current (METRIC_PARENT_ID, METRIC_ID)

## DSS\_METRIC\_TYPE\_TREES\_UPGRADE

Internal table (similar to DSS\_METRIC\_TYPE\_TREES) used during a Dashboard Service upgrade process:

AGGREGATE_WEIGHT	float	NULL	Weight of the current Quality Rule in order to compute the parent value.
METRIC_ID	int	NULL	Quality Rule ID
METRIC_INDEX	int	NULL	Default execution order. If the Quality Rules are independent, all values can be set to 1.
METRIC_PARENT_ID	int	NULL	Quality Rule parent ID
METRIC_SCOPE_PROCEDURE_NAME	varchar	255	Scope procedure executed for the current (METRIC_PARENT_ID, METRIC_ID)
METRIC_SCOPE_PROCEDURE_NAME_2	varchar	255	Scope procedure executed for the current (METRIC_PARENT_ID, METRIC_ID)

## DSS\_METRIC\_TYPES

This table describes each Quality Rule:

METRIC_ID	int	NULL	Quality Rule ID
METRIC_NAME	varchar	255	Quality Rule name (do not use - use DSS_METRIC_DESCRIPTIONS.METRIC_DESCRIPTION with DESCRIPTION_TYPE_ID=0 and LANGUAGE="ENGLISH" instead).
METRIC_DESCRIPTION	varchar	1500	Description of Quality Rule (do not use - use DSS_METRIC_DESCRIPTIONS.METRIC_DESCRIPTION with DESCRIPTION_TYPE_ID=2 and LANGUAGE="ENGLISH" instead).
METRIC_TYPE	int	NULL	<ul style="list-style-type: none"> <li>0: disabled.</li> <li>1: executed in central</li> <li>2: executed in local</li> <li>3: executed both in central and local</li> </ul>
METRIC_GROUP	int	NULL	<ul style="list-style-type: none"> <li>0: quantity Quality Rule</li> <li>1: Quality Rule summary</li> <li>2: Quality Rule detail</li> <li>3: folder</li> <li>4: distribution of category</li> <li>5: distribution</li> <li>6: user Quality Rule</li> <li>10: business criteria</li> <li>13: technical criteria</li> <li>15: measure based Quality Rule</li> <li>999: internal (Cost Estimation)</li> <li>(7,8,9,11,12) not used but reserved</li> </ul>
METRIC_DEPENDS_ON	varchar	255	List of metrics whose results are needed to compute the current Quality Rule (comma separated list of metric IDs).
METRIC_OPTIONS	int	NULL	<ul style="list-style-type: none"> <li>0: Unified: N/A, XXL: N/A</li> <li>1: Unified: N/A, XXL: XXL</li> <li>2: Unified: N/A, XXL: Non-XXL</li> <li>4: Unified: Not Unified, XXL: N/A</li> <li>5: Unified: Not Unified, XXL: XXL</li> <li>6: Unified: Not Unified, XXL: Non-XXL</li> <li>8: Unified: Unified, XXL: N/A</li> <li>9: Unified: Unified, XXL: XXL</li> <li>10: Unified: Unified, XXL: Non-XXL</li> </ul>
SCOPE_ID	int	null	When not zero, displays the scope dataset id.
PROPERTY_ID	int	null	When not zero, displays the property id used to filter the scope.

## DSS\_METRIC\_VALUE\_TYPES

METRIC_AGGREGATE_OPERATOR	int	NULL	<ul style="list-style-type: none"> <li>0: non</li> <li>1: count</li> <li>2: sum</li> <li>3: avg</li> <li>4: min</li> <li>5: max</li> <li>11: count distinct</li> </ul>
METRIC_AGGREGATE_OPERATOR_2	int	NULL	Same as above
METRIC_ID	int	NULL	Quality Rule ID

METRIC_VALUE_DESCRIPTION	varchar	1000	Description of Quality Rule value
METRIC_VALUE_INDEX	int	NULL	<ul style="list-style-type: none"> <li>0: grade</li> <li>1: detail</li> <li>2: total</li> </ul>
METRIC_VALUE_NAME	varchar	255	Quality Rule value name
METRIC_VALUE_PROCEDURE_NAME	varchar	255	Procedure used to compute the current value
METRIC_VALUE_PROCEDURE_NAME_2	varchar	255	Same as above
METRIC_VALUE_TYPE	int	NULL	0: numeric1: percentage of numeric 2: character 3: object 4: character date 5: numeric 6: non value

## DSS\_METRIC\_WORK\_EXCEPT

This table stores expanded exceptions during compute:

METRIC_ID	int	NULL	ID of Quality Rule in exception
OBJECT_ID	int	NULL	ID of object in exception

## DSS\_METRIC\_WORK\_TABLES

Internal table

TABLE_NAME	varchar	255	Name used to define the category of the current work. Several WORK_CATEGORY can use the same TABLE_NAME.ID of Quality Rule in exception.
WORK_CATEGORY	varchar	30	Work table

## DSS\_MODULE\_LINKS

Direct links to modules in a snapshot:

MODULE_ID	int	NULL	ID of module
OBJECT_ID	int	NULL	ID of object using the module
OBJECT_TYPE_ID	int	NULL	ID type of object using the module - see DSS_OBJECT_TYPES
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_OBJECT\_EXCEPTIONS

This table stores object exceptions:

FIRST_SNAPSHOT_ID	int	NULL	First snapshot ID including exception
JUSTIFY	varchar	1000	Textual justification given while setting exception
LAST_SNAPSHOT_ID	int	NULL	Last snapshot ID including exception (1,000,000,000 for infinite)
LAST_UPDATE	datetime	NULL	Date of last modification (set or reset) in the form MM/DD/YYYY
METRIC_ID	int	NULL	Quality Rule ID
OBJECT_ID	int	NULL	Object ID to ignore during Quality Rule calculation
USER_NAME	varchar	255	User who set the exception

## DSS\_OBJECT\_INFO

This table contains for each Snapshot the list of objects and their checksum at the time of the Snapshot (objects belonging to group 8 are not stored in this table). Between any two snapshots, for example Snapshot S1 and Snapshot S2,

- An added object is simply an object present in S2 and absent from S1
- A deleted object is simply an object present in S1 and absent from S2
- An updated object is simply an object present in S1 and S2 yet with a different checksum
- An unchanged object is simply an object present in S1 and S2 with the same checksum

OBJECT_CHECKSUM	int	NULL	Checksum used to detect changes between snapshots
OBJECT_ID	int	NULL	Object ID
OBJECT_TYPE_ID	int	NULL	Object type ID - see DSS_OBJECT_TYPES
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_OBJECT\_TYPES

This table stores the object type description list:

OBJECT_GROUP	int	NULL	<ul style="list-style-type: none"> <li>0: artifacts and other objects</li> <li>1: technical module</li> <li>2: technologic objects</li> <li>3: APM Consolidated Objects Application (-102) Functional module ( 20000)</li> <li>4: Organization objects: organization, teams, developers.</li> <li>8: APM_HierarchicalObject Corp (-100) System (-101)</li> </ul>
OBJECT_TYPE_DESCRIPTION	varchar	1000	Object type description
OBJECT_TYPE_ID	int	NULL	Object type ID
OBJECT_TYPE_NAME	varchar	255	Object type name
OBJECT_TYPE_NAME_EX	varchar	255	Object type internal name

## DSS\_OBJECTS

This table lists all the object objects currently stored in the Dashboard Service following an analysis:

OBJECT_DESCRIPTION	varchar	1000	Object description
OBJECT_FULL_NAME	varchar	1000	Object full name
OBJECT_ID	int	NULL	Object ID - this ID is unique in the Dashboard Service. Use DSS_TRANSLATION_TABLE to find the ID of the Object in the Analysis Service.
OBJECT_NAME	varchar	255	Object name
OBJECT_TYPE_ID	int	NULL	Object type ID - see DSS_OBJECT_TYPES

## DSS\_PORTF\_TREE

Denormalization table for objects:

APP_ID	int	NULL	Application ID
MODULE_ID	int	NULL	Module ID
SNAPSHOT_ID	int	NULL	Snapshot ID
SYST_ID	int	NULL	System ID

## DSS\_PROCESSING

This table stores DSS processing information (compute progression, stop requests):

PROCESS_CURRENT_TIME	datetime	NULL	Timestamp when current value was updated
PROCESS_CURRENT_VALUE	int	NULL	Current value
PROCESS_MAX_VALUE	int	NULL	Maximum value
PROCESS_START_TIME	datetime	NULL	Timestamp when operation started
PROCESS_TYPE	varchar	255	Processing type

## DSS\_QUALITY\_TREE

Denormalization table for Quality Rule information:

B_CRITERION_ID	int	NULL	-
M_CRIT	int	NULL	-
M_WEIGHT	float	NULL	-
METRIC_ID	int	NULL	Quality Rule ID
T_CRIT	int	NULL	-
T_CRITERION_ID	int	NULL	-
T_WEIGHT	float	NULL	-

## DSS\_SITES

This table contains all sites found. It describes the different Analysis Services registered in the Dashboard Service. It also contains the necessary parameters in order to connect to them:

ENCRYPTION_TYPE	int	NULL	Encryption used for the User password
LAST_UPDATE	datetime	NULL	Date of last update
LOCAL_DSS_NAME	varchar	255	Name of DSS database or schema in Analysis Service
SERVER_TYPE	int	NULL	<ul style="list-style-type: none"> <li>• 1: MS/Sybase</li> <li>• 2: Oracle</li> <li>• 3: DB2</li> </ul>
SITE_DESCRIPTION	varchar	1000	Analysis Service description
SITE_ID	int	NULL	Analysis Service ID
SITE_NAME	varchar	255	Analysis Service name
SITE_PASSWORD	varchar	255	Password of the user/login used to connect
SITE_SERVER	varchar	255	Server or instance name
SITE_SRVADDRESS	varchar	1000	When using CMS/Server Address mode, contains the server address. Otherwise NULL
SITE_SRVADDRESS_TYPE	varchar	255	When using CMS/Server Address mode, contains the server type: SQLServer, Sybase, Oracle, or DB2. Otherwise NULL
SITE_SYSTEM	varchar	255	System (for DB2 only)
SITE_TYPE	int	NULL	<ul style="list-style-type: none"> <li>• 1: Central</li> <li>• 2: Local</li> </ul>
SITE_USER	varchar	255	Database user/login used to connect
SNAPSHOT_STATUS	int	NULL	<ul style="list-style-type: none"> <li>• -1: site erased</li> <li>• 0: no metrics</li> <li>• 1: wait to transfer</li> <li>• 2: wait to import</li> <li>• 3: consolidated</li> </ul>

## DSS\_SNAPSHOT\_INFO

Snapshot information for a given high level object:

OBJECT_ID	int	NULL	Object ID
OBJECT_VERSION	varchar	50	Object version
SNAPSHOT_ID	int	NULL	Snapshot ID

## DSS\_SNAPSHOT\_TYPES

This table stores the types of snapshot:

SNAPSHOT_TYPE_ID	int	NULL	<ul style="list-style-type: none"> <li>• 1: APM snapshots</li> <li>• 2: Enforce snapshot</li> <li>• 3: ADG snapshots</li> </ul>
SNAPSHOT_TYPE_NAME	varchar	255	Snapshot type name

## DSS\_SNAPSHOTS

This table stores the snapshots:

APPLICATION_ID	int	NULL	Application ID
COMPUTE_END_DATE	datetime	NULL	Snapshot calculation end date
COMPUTE_START_DATE	datetime	NULL	Snapshot calculation start date
EXTERNAL_ID	int	NULL	External object ID (-1 for none): Used in the Enforce Diagnostics
FUNCTIONAL_DATE	datetime	NULL	Date
SNAPSHOT_CONSO_ID	int	NULL	-
SNAPSHOT_DATE	datetime	NULL	Snapshot creation date
SNAPSHOT_DESCRIPTION	varchar	1000	Snapshot description
SNAPSHOT_ID	int	NULL	Snapshot ID
SNAPSHOT_NAME	varchar	255	Snapshot name
SNAPSHOT_STATUS	int	NULL	<ul style="list-style-type: none"><li>• 0: empty</li><li>• 1: in progress</li><li>• 2: consolidated</li></ul>
SNAPSHOT_TYPE_ID	int	NULL	<ul style="list-style-type: none"><li>• 1: APM snapshots</li><li>• 2: Enforce snapshot</li><li>• 3: ADG snapshot</li></ul>

## DSS\_TECHNOLOGIES

This table indicates different type of technologies associated to technical modules:

MODULE_TYPE_ID	int	NULL	Module type ID
TECHNO_TYPE_ID	int	NULL	Techno type ID

## DSS\_TRANSLATION\_TABLE

This table stores objects both from Analysis and Dashboard Services:

OBJECT_ID	int	NULL	Object ID
SITE_ID	int	NULL	Site ID
SITE_OBJECT_ID	int	NULL	-

## DSS\_WORK\_FOLDER\_METRICS

Internal Table, Quality Rules to delete before importing Assessment Model:

METRIC_ID	int	NULL	Object ID
METRIC_PARENT_ID	int	NULL	Site ID
TREE_LEVEL	int	NULL	-

## DSS\_WORK\_FUNC\_MODULE\_TREE

FLAT_LEVEL	int	NULL	-
MODULE_ID	int	NULL	Module ID
OBJECT_ID	int	NULL	Object ID
OBJECT_PARENT_ID	int	NULL	Object's parent ID

## DSS\_WORK\_IN\_OBJECTS

Temporary table for import of DSS\_OBJECTS table:

OBJECT_CHECKSUM	int	NULL	-
OBJECT_DESCRIPTION	varchar	1000	Object description
OBJECT_FULL_NAME	varchar	1000	Object full name
OBJECT_ID	int	NULL	Object ID
OBJECT_NAME	varchar	255	Object name
OBJECT_TYPE_ID	int	NULL	Object type ID - see DSS_OBJECT_TYPES

### DSS\_WORK\_OBJ\_TYP

LINK_TYPE_ID	int	NULL	Link type ID
OBJECT_TYPE_ID	int	NULL	Object type ID

### DSS\_WORK\_OBJECTS

Temporary table for import of DSS\_OBJECTS table:

OBJECT_CHECKSUM	int	NULL	-
OBJECT_DESCRIPTION	varchar	1000	Object description
OBJECT_FULL_NAME	varchar	1000	Object full name
OBJECT_ID	int	NULL	Object ID
OBJECT_NAME	varchar	255	Object name
OBJECT_TYPE_ID	int	NULL	Object type ID - see DSS_OBJECT_TYPES

### DSS\_WORK\_OBJECTS\_FLAT\_TREE

FLAT_LEVEL	int	NULL	-
OBJECT_ID	int	NULL	Object ID
OBJECT_PARENT_ID	int	NULL	Object's parent ID