

DZ_DBA

- Build ID: 11
- TFS Change Set: 8194

Utilities for the summation and reorganization of resource storage in Oracle.

Access to dba_extents, dba_data_files and dba_tablespaces is required in order to read resource information.

Summary

DZ_DBA

FUNCTIONS

<code>dz_dba_main.move_it</code>	Function to return the DDL to move a given segment into another tablespace.
<code>dz_dba_main.move_it_pipe</code>	Function to return the DDL to move a given segment into another tablespace.
<code>dz_dba_main.move_end</code>	Function to return the DDL to move the item at the highwater mark of the datafile into another tablespace.
<code>dz_dba_main.move_end_pipe</code>	Function to return the DDL to move the item at the highwater mark of the datafile into another tablespace.
<code>dz_dba_main.move_all_pipe</code>	Function to return all the DDL to move all of the items in a datafile into another tablespace ordered from the highwater mark descending.
<code>dz_dba_sizer.get_table_size</code>	Function to return the size in bytes of a given table as currently stored in the database.
<code>dz_dba_sizer.get_object_size</code>	Function to return the size in bytes of a given table as currently stored in the database.
<code>dz_dba_sizer.get_domain_index_size</code>	Function to return the size in bytes of a domain index and associated domain tables.
<code>dz_dba_sizer.get_table_lob_size</code>	Function to return the size in bytes of all lob segments and lob indexes tied to columns in a given table.
<code>dz_dba_sizer.is_complex_object_table</code>	Function to examine if a given table is the parent table of so-called "complex" object such as a georaster dataset.
<code>dz_dba_sizer.schema_summary</code>	Pipelined function to return the tables in a given schema by a somewhat arbitrary three category system.

FUNCTIONS

`dz_dba_main.move_it`

Function to return the DDL to move a given segment into another tablespace.

Parameters

<code>p_owner</code>	owner of the segment (default USER)
<code>p_segment_name</code>	segment to move
<code>p_tablespace</code>	destination tablespace (optional)

Returns

VARCHAR2

`dz_dba_main.move_it_pipe`

Function to return the DDL to move a given segment into another tablespace.

Parameters

p_owner	owner of the segment (default USER)
p_segment_name	segment to move
p_tablespace	destination tablespace (optional)

Returns

Pipelined table of VARCHAR2

dz_dba_main.move_end

Function to return the DDL to move the item at the highwater mark of the datafile into another tablespace.

Parameters

p_datafile	datafile with highwater item to move
p_tablespace	destination tablespace (optional)

Returns

VARCHAR2

dz_dba_main.move_end_pipe

Function to return the DDL to move the item at the highwater mark of the datafile into another tablespace.

Parameters

p_datafile	datafile with highwater item to move
p_tablespace	destination tablespace (optional)

Returns

Pipelined table of VARCHAR2

dz_dba_main.move_all_pipe

Function to return all the DDL to move all of the items in a datafile into another tablespace ordered from the highwater mark descending.

Parameters

p_datafile	datafile with items to move
p_tablespace	destination tablespace (optional)

Returns

Pipelined table of VARCHAR2

dz_dba_sizer.get_table_size

Function to return the size in bytes of a given table as currently stored in the database. This includes all associated indexes and lob resources including domain tables and specialized datasets such as georaster datasets.

Parameters

p_table_owner	owner of the table (default USER)
p_table_name	table to examine
p_return_zero_onerr	return zero when object is not found
p_user_segments	flag to force use of USER_SEGMENTS

Returns

NUMBER

Notes

- Access to dba_extents is required in order to obtain the size of resources outside your user connection's schema. If you are only examining resources in your own schema, set p_user_segments to TRUE.
- In many cases permissions for domain tables may not be the same as permissions for the parent table and thus custom permissions or dba access is required to sum all parts of the resource.

dz_dba_sizer.get_object_size

Function to return the size in bytes of a given table as currently stored in the database. This does not include any associated resources as summed by get_table_size. This function is utilized by the previous function to examine individual tables for the summation set.

Parameters

p_segment_owner	owner of the object (default USER)
p_segment_name	object to examine
p_segment_type	segment type, e.g. TABLE, INDEX, LOBINDEX, etc
p_user_segments	flag to force use of USER_SEGMENTS

Returns

NUMBER

Notes

- Access to dba_extents is required in order to obtain the size of resources outside your user connection's schema. If you are only examining resources in your own schema, set p_user_segments to TRUE.
- Note that Index Organized Tables (IOT) return a size of 0 by design as the storage is held by the index.

dz_dba_sizer.get_domain_index_size

Function to return the size in bytes of a domain index and associated domain tables. Currently supports MDSYS.SPATIAL_INDEX, SDE.ST_SPATIAL_INDEX (10.2.2) and CTXSYS.CONTEXT.

Parameters

p_domain_index_owner	owner of the domain index (default USER)
p_domain_index_name	domain index to examine
p_user_segments	flag to force use of USER_SEGMENTS

Returns

NUMBER

Notes

- Access to dba_extents is required in order to obtain the size of resources outside your user

connection's schema. If you are only examining resources in your own schema, set p_user_segments to TRUE.

- In many cases permissions for domain tables may not be the same as permissions for the parent table and thus custom permissions or dba access is required to sum all parts of the resource.

dz_dba_sizer.get_table_lob_size

Function to return the size in bytes of all lob segments and lob indexes tied to columns in a given table.

Parameters

p_table_owner	owner of the table (default USER)
p_table_name	table to examine
p_user_segments	flag to force use of USER_SEGMENTS

Returns

NUMBER

Notes

- Access to dba_extents is required in order to obtain the size of resources outside your user connection's schema. If you are only examining resources in your own schema, set p_user_segments to TRUE.

dz_dba_sizer.is_complex_object_table

Function to examine if a given table is the parent table of so-called "complex" object such as a georaster dataset. This logic then leads to specific dataset handling.

Parameters

p_table_owner	owner of the table (default USER)
p_table_name	table to examine

Returns

VARCHAR2 TRUE or FALSE

Notes

- Only georaster datasets currently supported.

dz_dba_sizer.schema_summary

Pipelined function to return the tables in a given schema by a somewhat arbitrary three category system.

Parameters

p_owner	owner of the table (default USER) p_user_segments-	table to examine
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Returns

Table of DZ_DBA_SUMMARY type

Notes

- Access to dba_extents is required in order to obtain the size of resources outside your user connection's schema. If you are only examining resources in your own schema, leave p_owner empty or set p_user_segments to TRUE.

