

<A>APPENDIX G

The DBA_ Views

All those DBA views

Oracle has provided many windows into the data dictionary that is central to the Oracle database. These windows are the DBA_ series of views. A view is a look at a table or tables that may be displayed and may be updated, however, since the DBA_ views are looks into the data dictionary they are not updatable. The following is a list of the DBA_ views, their description and their function. There are also USER_ and ALL_ views which for the most part are based on the DBA_ views but subset the data into that owned by the user in the case of USER_ and that which the user can access in the ALL_ views. Sometimes more information than is available in the DBA_ views is shown in the ALL_ or USER_ views, but not very often.

Normally users will not have synonyms that point directly to the DBA_ views, but will instead have the USER_ and ALL_ views. However, most of the DBA_ views have public grants so they can be accessed by placing "SYS." (SYS.DBA_TABLES) as a prefix. Before using the DBA_ views in functions or procedures the users must be granted a direct grant, not a grant through a role.

These views may change release--to--release of Oracle. generally the changes will involve addition of columns, consolidation of columns from multiple views into a single view or addition of views. Please confirm the view structures before attempting to select against them based on this section alone. These view descriptions are from the ORACLE8 8.0.2 beta-2 release. If the view is not identified as ORACLE8 only it should be backwards compatible to at least 7.2.3.

1.1 DBA_ROLES View

The DBA_ROLES view contains an entry for each defined role in the database and indicates whether or not the role is passworded. A related view is DBA_ROLE_PRIVS.

Contents of the DBA_ROLES view

Name	Null?	Type
-----	-----	-----
ROLE	NOT NULL	VARCHAR2(30)
PASSWORD_REQUIRED		VARCHAR2(8)

1.2 DBA_PROFILES

The DBA_PROFILES view contains the complete definitions of all profiles in the database. This definition contains the profile name, resources and limits assigned to the profile.

Contents of the DBA_PROFILES view

Name	Null?	Type
-----	-----	-----
PROFILE	NOT NULL	VARCHAR2(30)
RESOURCE_NAME	NOT NULL	VARCHAR2(32)
RESOURCE_TYPE		VARCHAR2(8)
LIMIT		VARCHAR2(40)

1.3 DBA_CATALOG

The DBA_CATALOG view contains entries for all tables and views in the database. This view is also called CATALOG or CAT with CATALOG containing all tables and views and CAT containing the subset that belongs to a specific user.

Contents of the DBA_CATALOG view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
TABLE_TYPE		VARCHAR2(11)

1.4 DBA_CLUSTERS

The view DBA_CLUSTERS contains storage, physical attribute and analysis data for all database clusters. Related views are DBA_TABLES, DBA_TAB_COLUMNS, DBA_TAB_PRIVS, DBA_CLU_COLUMNS and DBA_CLUSTER_HASH_EXPRESSIONS.

Contents of DBA_CLUSTERS view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
CLUSTER_NAME	NOT NULL	VARCHAR2(30)
TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
PCT_FREE		NUMBER
PCT_USED	NOT NULL	NUMBER
KEY_SIZE		NUMBER
INI_TRANS	NOT NULL	NUMBER
MAX_TRANS	NOT NULL	NUMBER
INITIAL_EXTENT		NUMBER
NEXT_EXTENT		NUMBER
MIN_EXTENTS	NOT NULL	NUMBER
MAX_EXTENTS	NOT NULL	NUMBER
PCT_INCREASE	NOT NULL	NUMBER
FREELISTS		NUMBER
FREELIST_GROUPS		NUMBER
AVG_BLOCKS_PER_KEY		NUMBER
CLUSTER_TYPE		VARCHAR2(5)
FUNCTION		VARCHAR2(15)
HASHKEYS		NUMBER
DEGREE		VARCHAR2(10)
INSTANCES		VARCHAR2(10)
CACHE		VARCHAR2(5)

1.5 DBA_CLU_COLUMNS

The DBA_CLU_COLUMNS view has information related to cluster columns, cluster tables and the parent cluster. Cluster columns are those columns which are to be shared between tables in a cluster. The other columns in a cluster table will be listed in the DBA_TAB_COLUMNS view.

Contents of the DBA_CLU_COLUMNS view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
CLUSTER_NAME	NOT NULL	VARCHAR2(30)
CLU_COLUMN_NAME	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
TAB_COLUMN_NAME		VARCHAR2(4000)

1.6 DBA_COL_COMMENTS

The DBA_COL_COMMENTS is a very useful view. If the developers at your site make use of column comments (i.e. if you beat them over the head enough, put it in department policy and enforce it strictly that they use column and table comments) then the system is almost self documenting. Oracle makes extensive use of this view to document the DBA series of views. For example, SELECT column_name, comments FROM DBA_COL_COMMENTS where table_name = 'DBA_COL_COMMENTS'; results in:

```
ORTEST1: column comments format a40
ORTEST1: select column_name,comments from dba_col_comments
          2 where table_name='DBA_COL_COMMENTS'
```

COLUMN_NAME	COMMENTS
OWNER	Name of the owner of the object
TABLE_NAME	Name of the object
COLUMN_NAME	Name of the column
COMMENTS	Comment on the object

As you can see, this makes your data dictionary a gold mine of information, if properly used. This view stores comments for both table and view columns. Related views are

DBA_TABLES, DBA_VIEWS and DBA_TAB_COLUMNS. Another good source for column comments for the base “\$” tables such as COL\$ is the sql.bsq file located in the \$ORACLE_HOME/rdbms/admin or \$ORACLE_HOME/dbs directory (or their equivalent on your system).

Contents of the DBA_COL_COMMENTS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME	NOT NULL	VARCHAR2(30)
COMMENTS		VARCHAR2(4000)

1.7 DBA_COL_PRIVS

The DBA_COL_PRIVS view contains information about column level grants, grantees and grantors as well as if the grantee can re-issue the grant. Related views would be DBA_TAB_PRIVS, DBA_TABLES, DBA_TAB_COLUMNS, DBA_SYS_PRIVS and DBA_ROLE_PRIVS.

Contents of the DBA_COL_PRIVS view

Name	Null?	Type
-----	-----	----
GRANTEE	NOT NULL	VARCHAR2(30)
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME	NOT NULL	VARCHAR2(30)
GRANTOR	NOT NULL	VARCHAR2(30)
PRIVILEGE	NOT NULL	VARCHAR2(40)
GRANTABLE		VARCHAR2(3)

1.8 DBA_DATA_FILES

The DBA_DATA_FILES view provides a single point to gather information about all tablespace related operating system data files. The view doesn't contain data about redo log data files. Related views are DBA_TABLESPACES.

Contents of the DBA_DATA_FILES view

Name	Null?	Type
-----	-----	----
FILE_NAME		VARCHAR2(513)
FILE_ID	NOT NULL	NUMBER
TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
BYTES		NUMBER
BLOCKS	NOT NULL	NUMBER
STATUS		VARCHAR2(9)
RELATIVE_FNO		NUMBER
AUTOEXTENSIBLE		VARCHAR2(3)
MAXBYTES		NUMBER
MAXBLOCKS		NUMBER
INCREMENT_BY		NUMBER

1.9 DBA_DB_LINKS

The DBA_DB_LINKS view contains information about all database links defined in the database.

The link alias, username, host and creation time and date are all provided. In earlier versions of ORACLE7 this view contained the password associated with the link, now this information is contained in the SYS.LINK\$ data dictionary table in encrypted form.

Contents of the DBA_DB_LINKS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
DB_LINK	NOT NULL	VARCHAR2(128)
USERNAME		VARCHAR2(30)
HOST		VARCHAR2(2000)
CREATED	NOT NULL	DATE

1.10 DBA_EXP_OBJECTS

The DBA_EXP_OBJECTS view contains information on all objects that have been incrementally exported.

Contents of the DBA_EXP_OBJECTS view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
OBJECT_NAME	NOT NULL	VARCHAR2(30)
OBJECT_TYPE		VARCHAR2(12)
CUMULATIVE		DATE
INCREMENTAL	NOT NULL	DATE
EXPORT_VERSION	NOT NULL	NUMBER(3)

1.11 DBA_EXP_VERSION

The DBA_EXP_VERSION view contains the version of the export program.

Contents of the DBA_EXP_VERSION view

Name	Null?	Type
EXP_VERSION	NOT NULL	NUMBER(3)

1.12 DBA_EXP_FILES

The DBA_EXP_FILES contains information for exported files as to what type of export, the version of the export program and the date the export was accomplished.

Contents of the DBA_EXP_FILES view

Name	Null?	Type
EXP_VERSION	NOT NULL	NUMBER(3)
EXP_TYPE		VARCHAR2(11)
FILE_NAME	NOT NULL	VARCHAR2(100)
USER_NAME	NOT NULL	VARCHAR2(30)
TIMESTAMP	NOT NULL	DATE

1.13 DBA_FREE_SPACE

The DBA_FREE_SPACE view contains one entry for each block of free space in the all of the datafiles in the database.

Contents of the DBA_FREE_SPACE view

Name	Null?	Type
-----	-----	----
TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
FILE_ID	NOT NULL	NUMBER
BLOCK_ID	NOT NULL	NUMBER
BYTES		NUMBER
BLOCKS	NOT NULL	NUMBER
RELATIVE_FNO	NOT NULL	NUMBER

1.14 DBA_FREE_SPACE_COALESCED,

DBA_FREE_SPACE_COALESCED_TMP1,

DBA_FREE_SPACE_COALESCED_TMP2

The DBA_FREE_SPACE_COALESCED view was introduced in version 7.3 and contains statistics on all tablespaces that have been coalesced (defragmented of honeycomb fragments). The two temporary views TMP1 and TMP2 have three columns each, TMP1 has TS#, EXTENTS_COALESCED, BLOCKS_COALESCED and TMP2 has TS#, TOTAL_EXTENTS and TOTAL_BLOCKS. The TMP views are used as staging points for the data that goes into DBA_FREE_SPACE_COALESCED.

Contents of the DBA_FREE_SPACE_COALESCED view

Name	Null?	Type
-----	-----	----
TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
TOTAL_EXTENTS		NUMBER
EXTENTS_COALESCED		NUMBER
PERCENT_EXTENTS_COALESCED		NUMBER
TOTAL_BYTES		NUMBER

BYTES_COALESCED	NUMBER
TOTAL_BLOCKS	NUMBER
BLOCKS_COALESCED	NUMBER
PERCENT_BLOCKS_COALESCED	NUMBER

1.15 DBA_INDEXES

The DBA_INDEXES viw contains information on all indexes in the database.

Contents of the DBA_INDEXES view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
INDEX_NAME	NOT NULL	VARCHAR2(30)
INDEX_TYPE		VARCHAR2(12)
TABLE_OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
TABLE_TYPE		VARCHAR2(11)
UNIQUENESS		VARCHAR2(9)
TABLESPACE_NAME		VARCHAR2(30)
INI_TRANS		NUMBER
MAX_TRANS		NUMBER
INITIAL_EXTENT		NUMBER
NEXT_EXTENT		NUMBER
MIN_EXTENTS		NUMBER
MAX_EXTENTS		NUMBER
PCT_INCREASE		NUMBER
PCT_THRESHOLD		NUMBER
INCLUDE_COLUMN		NUMBER
FREELISTS		NUMBER
FREELIST_GROUPS		NUMBER
PCT_FREE		NUMBER
LOGGING		VARCHAR2(3)
BLEVEL		NUMBER
LEAF_BLOCKS		NUMBER
DISTINCT_KEYS		NUMBER
AVG_LEAF_BLOCKS_PER_KEY		NUMBER
AVG_DATA_BLOCKS_PER_KEY		NUMBER
CLUSTERING_FACTOR		NUMBER
STATUS		VARCHAR2(8)
NUM_ROWS		NUMBER
SAMPLE_SIZE		NUMBER
LAST_ANALYZED		DATE
DEGREE		VARCHAR2(40)
INSTANCES		VARCHAR2(40)
PARTITIONED		VARCHAR2(3)
TEMPORARY		VARCHAR2(1)
GENERATED		VARCHAR2(1)

1.16 DBA_IND_COLUMNS

The DBA_IND_COLUMNS view contains an entry for each column of each index in the database.

Contents of the DBA_IND_COLUMNS view

Name	Null?	Type
INDEX_OWNER	NOT NULL	VARCHAR2(30)
INDEX_NAME	NOT NULL	VARCHAR2(30)
TABLE_OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME		VARCHAR2(4000)
COLUMN_POSITION	NOT NULL	NUMBER
COLUMN_LENGTH	NOT NULL	NUMBER

1.17 DBA_OBJECTS

The DBA_OBJECTS view contains data on all objects (tables, views, procedures, packages, package bodies, etc) in the database.

Contents of the DBA_OBJECTS view

Name	Null?	Type
OWNER		VARCHAR2(30)
OBJECT_NAME		VARCHAR2(128)
SUBOBJECT_NAME		VARCHAR2(30)
OBJECT_ID		NUMBER
DATA_OBJECT_ID		NUMBER
OBJECT_TYPE		VARCHAR2(15)
CREATED		DATE
LAST_DDL_TIME		DATE
TIMESTAMP		VARCHAR2(75)
STATUS		VARCHAR2(7)
TEMPORARY		VARCHAR2(1)
GENERATED		VARCHAR2(1)

1.18 DBA_ROLLBACK_SEGS

The DBA_ROLLBACK_SEGS view contains data about the database rollback segments. For ORACLE8 a column for relative file number has been added.

Contents of the DBA_ROLLBACK_SEGS view

Name	Null?	Type
-----	-----	-----
SEGMENT_NAME	NOT NULL	VARCHAR2(30)
OWNER		VARCHAR2(6)
TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
SEGMENT_ID	NOT NULL	NUMBER
FILE_ID	NOT NULL	NUMBER
BLOCK_ID	NOT NULL	NUMBER
INITIAL_EXTENT		NUMBER
NEXT_EXTENT		NUMBER
MIN_EXTENTS	NOT NULL	NUMBER
MAX_EXTENTS	NOT NULL	NUMBER
PCT_INCREASE	NOT NULL	NUMBER
STATUS		VARCHAR2(16)
INSTANCE_NUM		VARCHAR2(40)
RELATIVE_FNO	NOT NULL	NUMBER

1.19 DBA_ROLE_PRIVS

The DBA_ROLE_PRIVS view contains a row for each role granted to a user or role. The GRANTED_ROLE column contains the role granted and the GRANTEE column contains the role or user to whom the grant is made. The ADMIN_OPTION shows if the grantee can re-grant the role to others. The default column shows whether this role is a default role for the user or if it has to be enabled.

Contents of the DBA_ROLE_PRIVS view

Name	Null?	Type
-----	-----	-----
GRANTEE		VARCHAR2(30)
GRANTED_ROLE	NOT NULL	VARCHAR2(30)
ADMIN_OPTION		VARCHAR2(3)
DEFAULT_ROLE		VARCHAR2(3)

1.20 DBA_SYS_PRIVS

The DBA_SYS_PRIVS view contains a row for each system level privilege granted to a role or user. The name of the user or role is in the GRANTEE column and the actual privilege value is

shown in the PRIVILEGE column. The ADMIN_OPTION shows if the user can grant the privilege to other users or roles.

Contents of the DBA_SYS_PRIVS view

Name	Null?	Type
-----	-----	----
GRANTEE	NOT NULL	VARCHAR2(30)
PRIVILEGE	NOT NULL	VARCHAR2(40)
ADMIN_OPTION		VARCHAR2(3)

1.21 DBA_SEGMENTS

The DBA_SEGMENTS view contains a row for each segment in the database. A segment can be of the types:

TABLE

INDEX

ROLLBACK

CLUSTER

CACHE

The PARTITION_NAME and RELATIVE_FNO columns were added for ORACLE8.

Contents of the DBA_SEGMENTS view

Name	Null?	Type
-----	-----	----
OWNER		VARCHAR2(30)
SEGMENT_NAME		VARCHAR2(81)
PARTITION_NAME		VARCHAR2(30)
SEGMENT_TYPE		VARCHAR2(17)
TABLESPACE_NAME		VARCHAR2(30)
HEADER_FILE		NUMBER
HEADER_BLOCK		NUMBER
BYTES		NUMBER
BLOCKS		NUMBER
EXTENTS		NUMBER
INITIAL_EXTENT		NUMBER
NEXT_EXTENT		NUMBER
MIN_EXTENTS		NUMBER

MAX_EXTENTS	NUMBER
PCT_INCREASE	NUMBER
FREELISTS	NUMBER
FREELIST_GROUPS	NUMBER
RELATIVE_FNO	NUMBER

1.22 DBA_EXTENTS

The DBA_EXTENTS view contains a row for each extent in the database. Using this view extents can be grouped by owner, segment (see list in 1.22) partition, segment type, or tablespace. The actual size of objects (to the nearest extent size) can be calculated from this view as well.

Contents of the DBA_EXTENTS view

Name	Null?	Type
OWNER		VARCHAR2(30)
SEGMENT_NAME		VARCHAR2(81)
PARTITION_NAME		VARCHAR2(30)
SEGMENT_TYPE		VARCHAR2(17)
TABLESPACE_NAME		VARCHAR2(30)
EXTENT_ID	NOT NULL	NUMBER
FILE_ID	NOT NULL	NUMBER
BLOCK_ID	NOT NULL	NUMBER
BYTES		NUMBER
BLOCKS	NOT NULL	NUMBER
RELATIVE_FNO	NOT NULL	NUMBER

1.23 DBA_SEQUENCES

The DBA_SEQUENCES view contains one row for each sequence in the database. Sequences should be periodically monitored to see their current values and weigh this against the max value. During loading operations where a sequence is used to generate the primary key is it much faster and less of a system impact to check the LAST_NUMBER column of this view for its value to determine number of rows loaded than it is to do a row count against the table.

Contents of the DBA_SEQUENCES view

Name	Null?	Type
-----	-----	-----

SEQUENCE_OWNER	NOT NULL	VARCHAR2(30)
SEQUENCE_NAME	NOT NULL	VARCHAR2(30)
MIN_VALUE		NUMBER
MAX_VALUE		NUMBER
INCREMENT_BY	NOT NULL	NUMBER
CYCLE_FLAG		VARCHAR2(1)
ORDER_FLAG		VARCHAR2(1)
CACHE_SIZE	NOT NULL	NUMBER
LAST_NUMBER	NOT NULL	NUMBER

1.24 DBA_SYNONYMS

The DBA_SYNONYMS view contains a row for each synonym defined for the database. If the owner is PUBLIC then it is a public (global access) synonym, otherwise it is a private synonym to the user (schema) specified.

Contents of the DBA_SYNONYMS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
SYNONYM_NAME	NOT NULL	VARCHAR2(30)
TABLE_OWNER		VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
DB_LINK		VARCHAR2(128)

1.25 DBA_TABLES

The DBA_TABLES view has been greatly expanded for ORACLE8. The columns IOT_NAME, LOGGING, BACKED_UP, AVG_SPACE_FREELIST_BLOCKS, NUM_FREELIST_BLOCKS, SAMPLE_SIZE, LAST_ANALYZED, PARTITIONED, IOT_TYPE, TABLE_TYPE_OWNER, TABLE_TYPE, PACKED, TEMPORARY and NESTED were added.

Contents of the DBA_TABLES view

Name	Null?	Type
-----	-----	----
OWNER		VARCHAR2(30)

TABLE_NAME	VARCHAR2(30)
TABLESPACE_NAME	VARCHAR2(30)
CLUSTER_NAME	VARCHAR2(30)
IOT_NAME	VARCHAR2(30)
PCT_FREE	NUMBER
PCT_USED	NUMBER
INI_TRANS	NUMBER
MAX_TRANS	NUMBER
INITIAL_EXTENT	NUMBER
NEXT_EXTENT	NUMBER
MIN_EXTENTS	NUMBER
MAX_EXTENTS	NUMBER
PCT_INCREASE	NUMBER
FREELISTS	NUMBER
FREELIST_GROUPS	NUMBER
LOGGING	VARCHAR2(3)
BACKED_UP	VARCHAR2(1)
NUM_ROWS	NUMBER
BLOCKS	NUMBER
EMPTY_BLOCKS	NUMBER
AVG_SPACE	NUMBER
CHAIN_CNT	NUMBER
AVG_ROW_LEN	NUMBER
AVG_SPACE_FREELIST_BLOCKS	NUMBER
NUM_FREELIST_BLOCKS	NUMBER
DEGREE	VARCHAR2(10)
INSTANCES	VARCHAR2(10)
CACHE	VARCHAR2(5)
TABLE_LOCK	VARCHAR2(8)
SAMPLE_SIZE	NUMBER
LAST_ANALYZED	DATE
PARTITIONED	VARCHAR2(3)
IOT_TYPE	VARCHAR2(12)
TABLE_TYPE_OWNER	VARCHAR2(30)
TABLE_TYPE	VARCHAR2(30)
PACKED	VARCHAR2(1)
TEMPORARY	VARCHAR2(1)
NESTED	VARCHAR2(3)

1.26 DBA_TABLESPACES

The DBA_TABLESPACES view contains a row for each tablespace in the database. The rows MIN_EXTLEN, CONTENTS and LOGGING where added for ORACLE8.

Contents of the DBA_TABLESPACES;

Name	Null?	Type
-----	-----	----
TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
INITIAL_EXTENT		NUMBER
NEXT_EXTENT		NUMBER
MIN_EXTENTS	NOT NULL	NUMBER

MAX_EXTENTS	NOT NULL	NUMBER
PCT_INCREASE	NOT NULL	NUMBER
MIN_EXTLEN		NUMBER
STATUS		VARCHAR2(9)
CONTENTS		VARCHAR2(9)
LOGGING		VARCHAR2(9)

1.27 DBA_TAB_COLUMNS

The DBA_TAB_COLUMNS view has one row for each table column in the database. Multiple columns have been added to facilitate the new data type specifications in ORACLE8. These columns are: DATA_TYPE_MOD, DATA_TYPE_OWNER, NUM_NULLS, NUM_BUCKETS, LAST_ANALYZED, SAMPLE_SIZE, PACKED and CHARACTER_SET_NAME.

Contents of the DBA_TAB_COLUMNS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME	NOT NULL	VARCHAR2(30)
DATA_TYPE		VARCHAR2(30)
DATA_TYPE_MOD		VARCHAR2(3)
DATA_TYPE_OWNER		VARCHAR2(30)
DATA_LENGTH	NOT NULL	NUMBER
DATA_PRECISION		NUMBER
DATA_SCALE		NUMBER
NULLABLE		VARCHAR2(1)
COLUMN_ID	NOT NULL	NUMBER
DEFAULT_LENGTH		NUMBER
DATA_DEFAULT		LONG
NUM_DISTINCT		NUMBER
LOW_VALUE		RAW(32)
HIGH_VALUE		RAW(32)
DENSITY		NUMBER
NUM_NULLS		NUMBER
NUM_BUCKETS		NUMBER
LAST_ANALYZED		DATE
SAMPLE_SIZE		NUMBER
PACKED		VARCHAR2(1)
CHARACTER_SET_NAME		VARCHAR2(44)

1.28 DBA_TAB_COL_STATISTICS

The DBA_TAB_COL_STATISTICS view contains a row for each table column in the database.

This view is new with ORACLE8. Notice that it is actually a subset of the columns contained in the DBA_TAB_COLUMNS view. This probably indicates that the DBA_TAB_COLUMNS view will be shortened and this view will take over these values in the future.

Contents of the DBA_TAB_COL_STATISTICS view

Name	Null?	Type
-----	-----	----
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME	NOT NULL	VARCHAR2(30)
NUM_DISTINCT		NUMBER
LOW_VALUE		RAW(32)
HIGH_VALUE		RAW(32)
DENSITY		NUMBER
NUM_NULLS		NUMBER
NUM_BUCKETS		NUMBER
LAST_ANALYZED		DATE
SAMPLE_SIZE		NUMBER

1.29 DBA_TAB_HISTOGRAMS

The DBA_TAB_HISTOGRAMS view contains a row for each table column contained in a histogram. This view is new for ORACLE8.

Contents of the DBA_TAB_HISTOGRAMS view

Name	Null?	Type
-----	-----	----
OWNER		VARCHAR2(30)
TABLE_NAME		VARCHAR2(30)
COLUMN_NAME		VARCHAR2(4000)
ENDPOINT_NUMBER		NUMBER
ENDPOINT_VALUE		NUMBER

1.30 DBA_HISTOGRAMS

The DBA_HISTOGRAMS view is retained for compatibility. The DBA_TAB_HISTOGRAMS view should be used from now on.

Contents of the DBA_HISTOGRAMS view

Name	Null?	Type
OWNER		VARCHAR2(30)
TABLE_NAME		VARCHAR2(30)
COLUMN_NAME		VARCHAR2(4000)
ENDPOINT_NUMBER		NUMBER
ENDPOINT_VALUE		NUMBER

1.31 DBA_TAB_COMMENTS

The DBA_TAB_COMMENTS view contains the posted comments for all tables or views in the database. Note that all comments are explicitly entered by the developers of the tables or views.

Contents of the DBA_TAB_COMMENTS view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
TABLE_TYPE		VARCHAR2(11)
COMMENTS		VARCHAR2(4000)

1.32 DBA_TAB_PRIVS

The DBA_TAB_PRIVS view contains a row for each issued privilege against a table. This view also contains any execute grants against a package, procedure or function.

Contents of the DBA_TAB_PRIVS view

Name	Null?	Type
GRANTEE	NOT NULL	VARCHAR2(30)
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
GRANTOR	NOT NULL	VARCHAR2(30)
PRIVILEGE	NOT NULL	VARCHAR2(40)

GRANTABLE

VARCHAR2(3)

1.33 DBA_TS_QUOTAS

The DBA_TS_QUOTAS view contains an entry for each user granted access to a tablespace. If the MAX_BYTES or MAX_BLOCKS columns are set to a negative value (usually -1) then the user has unlimited quota on the tablespace. This view also gives a quick place to look up how much space a user has consumed in a tablespace via the BYTES or BLOCKS columns.

Contents of the DBA_TS_QUOTAS view

Name	Null?	Type
TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
USERNAME	NOT NULL	VARCHAR2(30)
BYTES		NUMBER
MAX_BYTES		NUMBER
BLOCKS	NOT NULL	NUMBER
MAX_BLOCKS		NUMBER

1.34 DBA_USERS

The DBA_USERS view contains a row for each user assigned to the database by the CREATE USER command. The columns ACCOUNT_STATUS, LOCK_DATE, EXPIRY_DATE and EXTERNAL_NAME were added as of ORACLE8 to allow for the enhanced password management options.

Contents of the DBA_USERS view

Name	Null?	Type
USERNAME	NOT NULL	VARCHAR2(30)
USER_ID	NOT NULL	NUMBER
PASSWORD		VARCHAR2(30)
ACCOUNT_STATUS	NOT NULL	VARCHAR2(32)
LOCK_DATE		DATE
EXPIRY_DATE		DATE
DEFAULT_TABLESPACE	NOT NULL	VARCHAR2(30)
TEMPORARY_TABLESPACE	NOT NULL	VARCHAR2(30)
CREATED	NOT NULL	DATE

PROFILE	NOT NULL	VARCHAR2(30)
EXTERNAL_NAME		VARCHAR2(4000)

1.35 DBA_VIEWS

The DBA_VIEWS view has a row for each defined view in the database. Up to 4000 characters of the view definition (enough for most views) is stored in the TEXT column. The columns TYPE_TEXT, TYPE_TEXT_LENGTH, OID_LENGTH, OID_TEXT and VIEW_TYPE and VIEW_TYPE_OWNER were added to accommodate the new object views in ORACLE8.

Remember, to retrieve long text strings be sure to set the value for LONG in SQLPLUS and use the WORD_WRAPPED column clause to neatly format the output.

Contents of the DBA_VIEWS view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
VIEW_NAME	NOT NULL	VARCHAR2(30)
TEXT_LENGTH		NUMBER
TEXT		LONG
TYPE_TEXT_LENGTH		NUMBER
TYPE_TEXT		VARCHAR2(4000)
OID_TEXT_LENGTH		NUMBER
OID_TEXT		VARCHAR2(4000)
VIEW_TYPE_OWNER		VARCHAR2(30)
VIEW_TYPE		VARCHAR2(30)

1.36 DBA_CONSTRAINTS

The DBA_CONSTRAINTS view contains one row for each constraint in the database. The columns DEFERRABLE, DEFERRED, VALIDATED, GENERATED, BAD and LAST_CHANGE have been added for ORACLE8.

Contents of the DBA_CONSTRAINTS view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)

CONSTRAINT_NAME	NOT NULL	VARCHAR2(30)
CONSTRAINT_TYPE		VARCHAR2(1)
TABLE_NAME	NOT NULL	VARCHAR2(30)
SEARCH_CONDITION		LONG
R_OWNER		VARCHAR2(30)
R_CONSTRAINT_NAME		VARCHAR2(30)
DELETE_RULE		VARCHAR2(9)
STATUS		VARCHAR2(8)
DEFERRABLE		VARCHAR2(14)
DEFERRED		VARCHAR2(9)
VALIDATED		VARCHAR2(13)
GENERATED		VARCHAR2(14)
BAD		VARCHAR2(3)
LAST_CHANGE		DATE

1.37 DBA_CLUSTER_HASH_EXPRESSIONS

The DBA_CLUSTER_HASH_EXPRESSIONS view contains the hash expressions for all hash clusters (clusters that use a hash function rather than an index) in the database. This view was added in version 7.3.

Contents of the DBA_CLUSTER_HASH_EXPRESSIONS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
CLUSTER_NAME	NOT NULL	VARCHAR2(30)
HASH_EXPRESSION		LONG

1.38 DBA_CONS_COLUMNS

The DBA_CONS_COLUMNS view contains a row for each column referenced in a constraint.

Contents of the DBA_CONS_COLUMNS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
CONSTRAINT_NAME	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME		VARCHAR2(4000)
POSITION		NUMBER

1.39 DBA_2PC_PENDING

The DBA_2PC_PENDING view contains information relating to distributed transactions in a two-phase commit (i.e. 2PC) transaction. This view is used by the DBA to help resolve problem transactions that require recovery.

Contents of the DBA_2PC_PENDING view

Name	Null?	Type
-----	-----	-----
LOCAL_TRAN_ID	NOT NULL	VARCHAR2(22)
GLOBAL_TRAN_ID		VARCHAR2(169)
STATE	NOT NULL	VARCHAR2(16)
MIXED		VARCHAR2(3)
ADVICE		VARCHAR2(1)
TRAN_COMMENT		VARCHAR2(2000)
FAIL_TIME	NOT NULL	DATE
FORCE_TIME		DATE
RETRY_TIME	NOT NULL	DATE
OS_USER		VARCHAR2(2000)
OS_TERMINAL		VARCHAR2(2000)
HOST		VARCHAR2(2000)
DB_USER		VARCHAR2(30)
COMMIT#		VARCHAR2(16)

1.40 DBA_2PC_NEIGHBORS

The DBA_2PC_NEIGHBORS view is used for tracking distributed transaction connections in a distributed environment.

Contents of the DBA_2PC_NEIGHBORS view

Name	Null?	Type
-----	-----	-----
LOCAL_TRAN_ID		VARCHAR2(22)
IN_OUT		VARCHAR2(3)
DATABASE		VARCHAR2(128)
DBUSER_OWNER		VARCHAR2(30)
INTERFACE		VARCHAR2(1)
DBID		VARCHAR2(16)
SESS#		NUMBER
BRANCH		VARCHAR2(128)

1.41 DBA_PENDING_TRANSACTIONS

The DBA_PENDING_TRANSACTIONS view is another distributed transaction monitoring view. This view keeps track of pending transactions. Pending transactions occur because one or more of the other nodes participating in the transaction cannot complete the transaction thus leaving it in a pending state on this node. This shows all prepared but not executed transactions.

Contents of the DBA_PENDING_TRANSACTIONS view

Name	Null?	Type
-----	-----	----
FORMATID		NUMBER
GLOBALID		RAW(64)
BRANCHID		RAW(64)

1.42 DBA_UPDATABLE_COLUMNS

The DBA_UPDATABLE_COLUMNS view was introduced in 7.3. The view contains a row for each column from a table that is used in a view and is updatable through the view.

Contents of the DBA_UPDATABLE_COLUMNS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME	NOT NULL	VARCHAR2(30)
UPDATABLE		VARCHAR2(3)
INSERTABLE		VARCHAR2(3)
DELETABLE		VARCHAR2(3)

1.43 DBA_LOBS

The DBA_LOBS view contains the setup information for all LOBs in the database. This is a new view for ORACLE8.

Contents of the DBA_LOBS;

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME		VARCHAR2(4000)
SEGMENT_NAME	NOT NULL	VARCHAR2(30)
INDEX_NAME	NOT NULL	VARCHAR2(30)
CHUNK		NUMBER
PCTVERSION	NOT NULL	NUMBER
CACHE		VARCHAR2(3)
LOGGING		VARCHAR2(3)

1.44 DBA_DIRECTORIES

The DBA_DIRECTORIES view provides information on all defined directories in the database.

Directories are pointers to external file systems where BFILEs are stored. There must be at least one directory defined to use BFILEs. This is a new ORACLE8 view.

Contents of the DBA_DIRECTORIES view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
DIRECTORY_NAME	NOT NULL	VARCHAR2(30)
DIRECTORY_PATH		VARCHAR2(4000)

1.45 DBA_LIBRARIES

The DBA_LIBRARIES view contains information on all defined libraries for the system.

Libraries are pointers to external shared libraries of 3GL routines used by the external procedure callout option of ORACLE8.

Contents of the DBA_LIBRARIES view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
LIBRARY_NAME	NOT NULL	VARCHAR2(30)
FILE_SPEC		VARCHAR2(2000)
DYNAMIC		VARCHAR2(1)
STATUS		VARCHAR2(7)

1.46 DBA_REFS

The DBA_REFS view contains information on all REF columns in the database. REF columns are used to reference other objects from clusters, views or tables. In ORACLE8 this is the only recognized relationship specification between objects.

Contents of the DBA_REFS view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME		VARCHAR2(4000)
WITH_ROWID		VARCHAR2(3)
IS_SCOPED		VARCHAR2(3)
SCOPE_TABLE_OWNER		VARCHAR2(30)
SCOPE_TABLE_NAME		VARCHAR2(30)

1.47 DBA_NESTED_TABLES

The DBA_NESTED_TABLES view shows information on all ORACLE8 nested tables in the database. This view is new for ORACLE8.

Contents of the DBA_NESTED_TABLES view

Name	Null?	Type
OWNER		VARCHAR2(30)
TABLE_NAME		VARCHAR2(30)
TABLE_TYPE_OWNER		VARCHAR2(30)
TABLE_TYPE_NAME		VARCHAR2(30)
PARENT_TABLE_NAME		VARCHAR2(30)
PARENT_TABLE_COLUMN		VARCHAR2(4000)

1.48 DBA_OBJ_AUDIT_OPTS

The DBA_OBJ_AUDIT_OPTS view contains information (YES or NO) on various types of audit actions for every object in the database that has auditing switched on. There is a single column for each audit option.

Contents of the DBA_OBJ_AUDIT_OPTS view

Name	Null?	Type
OWNER		VARCHAR2(30)
OBJECT_NAME		VARCHAR2(30)
OBJECT_TYPE		VARCHAR2(9)
ALT		VARCHAR2(3)
AUD		VARCHAR2(3)
COM		VARCHAR2(3)
DEL		VARCHAR2(3)
GRA		VARCHAR2(3)
IND		VARCHAR2(3)
INS		VARCHAR2(3)
LOC		VARCHAR2(3)
REN		VARCHAR2(3)
SEL		VARCHAR2(3)
UPD		VARCHAR2(3)
REF		VARCHAR2(3)
EXE		VARCHAR2(3)
CRE		VARCHAR2(3)
REA		VARCHAR2(3)
WRI		VARCHAR2(3)

1.49 DBA_STMT_AUDIT_OPTS

The DBA_STMT_AUDIT_OPTS stores information on audited statements per user.

Contents of the DBA_STMT_AUDIT_OPTS;

Name	Null?	Type
USER_NAME		VARCHAR2(30)
AUDIT_OPTION	NOT NULL	VARCHAR2(40)
SUCCESS		VARCHAR2(10)
FAILURE		VARCHAR2(10)

1.50 DBA_PRIV_AUDIT_OPTS

The DBA_PRIV_AUDIT_OPTS view details information on any privilege audit actions set up per user account.

```
Contents of the DBA_PRIV_AUDIT_OPTS;
Name                               Null?    Type
-----
USER_NAME                          VARCHAR2(30)
PRIVILEGE                          NOT NULL VARCHAR2(40)
SUCCESS                            VARCHAR2(10)
FAILURE                            VARCHAR2(10)
```

1.51 DBA_AUDIT_TRAIL

The DBA_AUDIT_TRAIL view shows information on all audited actions, statements and privileges. The view has been substantially expanded for ORACLE8. The SES_ACTIONS contains a session summary with a string of 11 characters, one each for ALTER, AUDIT, COMMENT, DELETE, GRANT, INDEX, INSERT, LOCK, RENAME, SELECT and UPDATE (in this order). The characters possible are: “-” (dash) for none, S for success, F for failure, B for both. The RETURNCODE is either a zero (0) for success or 2004 for a security violation.

```
Contents of the DBA_AUDIT_TRAIL;
Name                               Null?    Type
-----
OS_USERNAME                        VARCHAR2(255)
USERNAME                          VARCHAR2(30)
USERHOST                          VARCHAR2(2000)
TERMINAL                          VARCHAR2(2000)
TIMESTAMP                         NOT NULL DATE
OWNER                             VARCHAR2(30)
OBJ_NAME                          VARCHAR2(128)
ACTION                            NOT NULL NUMBER
ACTION_NAME                       VARCHAR2(27)
NEW_OWNER                         VARCHAR2(30)
NEW_NAME                          VARCHAR2(128)
OBJ_PRIVILEGE                     VARCHAR2(16)
SYS_PRIVILEGE                     VARCHAR2(40)
ADMIN_OPTION                      VARCHAR2(1)
GRANTEE                           VARCHAR2(30)
AUDIT_OPTION                      VARCHAR2(40)
SES_ACTIONS                       VARCHAR2(19)
LOGOFF_TIME                       DATE
```

LOGOFF_LREAD		NUMBER
LOGOFF_PREAD		NUMBER
LOGOFF_LWRITE		NUMBER
LOGOFF_DLOCK		VARCHAR2(40)
COMMENT_TEXT		VARCHAR2(4000)
SESSIONID	NOT NULL	NUMBER
ENTRYID	NOT NULL	NUMBER
STATEMENTID	NOT NULL	NUMBER
RETURNCODE	NOT NULL	NUMBER
PRIV_USED		VARCHAR2(40)
OBJECT_LABEL		RAW MLSLABEL
SESSION_LABEL		RAW MLSLABEL

1.52 DBA_AUDIT_SESSION

The DBA_AUDIT_SESSION view contains audit information for sessions concerning CONNECT and DISCONNECT. The RETURNCODE contains either zero (0) for a successful action or 2004 showing a security violation.

Contents of the DBA_AUDIT_SESSION view

Name	Null?	Type
-----	-----	----
OS_USERNAME		VARCHAR2(255)
USERNAME		VARCHAR2(30)
USERHOST		VARCHAR2(2000)
TERMINAL		VARCHAR2(2000)
TIMESTAMP	NOT NULL	DATE
ACTION_NAME		VARCHAR2(27)
LOGOFF_TIME		DATE
LOGOFF_LREAD		NUMBER
LOGOFF_PREAD		NUMBER
LOGOFF_LWRITE		NUMBER
LOGOFF_DLOCK		VARCHAR2(40)
SESSIONID	NOT NULL	NUMBER
RETURNCODE	NOT NULL	NUMBER
SESSION_LABEL		RAW MLSLABEL

1.53 DBA_AUDIT_STATEMENT

The DBA_AUDIT_STATEMENT view shows information on AUDIT, NOAUDIT, ALTER SYSTEM, REVOKE and GRANT statement audits. The SES_ACTIONS contains a session summary with a string of 11 characters, one each for ALTER, AUDIT, COMMENT, DELETE,

GRANT, INDEX, INSERT, LOCK, RENAME, SELECT and UPDATE (in this order). The characters possible are: “-” (dash) for none, S for success, F for failure, B for both. The RETURNCODE is either a zero (0) for success or 2004 for a security violation.

Contents of the DBA_AUDIT_STATEMENT view

Name	Null?	Type
-----	-----	----
OS_USERNAME		VARCHAR2(255)
USERNAME		VARCHAR2(30)
USERHOST		VARCHAR2(2000)
TERMINAL		VARCHAR2(2000)
TIMESTAMP	NOT NULL	DATE
OWNER		VARCHAR2(30)
OBJ_NAME		VARCHAR2(128)
ACTION_NAME		VARCHAR2(27)
NEW_NAME		VARCHAR2(128)
OBJ_PRIVILEGE		VARCHAR2(16)
SYS_PRIVILEGE		VARCHAR2(40)
ADMIN_OPTION		VARCHAR2(1)
GRANTEE		VARCHAR2(30)
AUDIT_OPTION		VARCHAR2(40)
SES_ACTIONS		VARCHAR2(19)
COMMENT_TEXT		VARCHAR2(4000)
SESSIONID	NOT NULL	NUMBER
ENTRYID	NOT NULL	NUMBER
STATEMENTID	NOT NULL	NUMBER
RETURNCODE	NOT NULL	NUMBER
PRIV_USED		VARCHAR2(40)
SESSION_LABEL		RAW MLSLABEL

1.54 DBA_AUDIT_OBJECT

The DBA_AUDIT_OBJECT view contains information on all audit options set for all database objects.

Contents of the DBA_AUDIT_OBJECT view

Name	Null?	Type
-----	-----	----
OS_USERNAME		VARCHAR2(255)
USERNAME		VARCHAR2(30)
USERHOST		VARCHAR2(2000)
TERMINAL		VARCHAR2(2000)
TIMESTAMP	NOT NULL	DATE
OWNER		VARCHAR2(30)
OBJ_NAME		VARCHAR2(128)
ACTION_NAME		VARCHAR2(27)
NEW_OWNER		VARCHAR2(30)

NEW_NAME		VARCHAR2(128)
SES_ACTIONS		VARCHAR2(19)
COMMENT_TEXT		VARCHAR2(4000)
SESSIONID	NOT NULL	NUMBER
ENTRYID	NOT NULL	NUMBER
STATEMENTID	NOT NULL	NUMBER
RETURNCODE	NOT NULL	NUMBER
PRIV_USED		VARCHAR2(40)
OBJECT_LABEL		RAW MLSLABEL
SESSION_LABEL		RAW MLSLABEL

1.55 DBA_AUDIT_EXISTS

The DBA_AUDIT_EXISTS view contains information on audit events produced by AUDIT

NOT EXISTS and AUDIT EXISTS commands.

Contents of the DBA_AUDIT_EXISTS view

Name	Null?	Type
-----	-----	----
OS_USERNAME		VARCHAR2(255)
USERNAME		VARCHAR2(30)
USERHOST		VARCHAR2(2000)
TERMINAL		VARCHAR2(2000)
TIMESTAMP	NOT NULL	DATE
OWNER		VARCHAR2(30)
OBJ_NAME		VARCHAR2(128)
ACTION_NAME		VARCHAR2(27)
NEW_OWNER		VARCHAR2(30)
NEW_NAME		VARCHAR2(128)
OBJ_PRIVILEGE		VARCHAR2(16)
SYS_PRIVILEGE		VARCHAR2(40)
GRANTEE		VARCHAR2(30)
SESSIONID	NOT NULL	NUMBER
ENTRYID	NOT NULL	NUMBER
STATEMENTID	NOT NULL	NUMBER
RETURNCODE	NOT NULL	NUMBER

1.56 DBA_TYPES

The DBA_TYPES view contains information on all abstract (user defined) types in the database.

This view is new for ORACLE8.

Contents of the DBA_TYPES view

Name	Null?	Type
OWNER		VARCHAR2(30)
TYPE_NAME	NOT NULL	VARCHAR2(30)
TYPE_OID	NOT NULL	RAW(16)
TYPECODE		VARCHAR2(30)
ATTRIBUTES		NUMBER
METHODS		NUMBER
PREDEFINED		VARCHAR2(3)
INCOMPLETE		VARCHAR2(3)

1.57 DBA_COLL_TYPES

The DBA_COLL_TYPES view contains a row for each collection type in the database. Collection types are types such as nested tables, VARRAYs, object_tables, etc. This view is new for ORACLE8.

Contents of the DBA_COLL_TYPES view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
TYPE_NAME	NOT NULL	VARCHAR2(30)
COLL_TYPE	NOT NULL	VARCHAR2(30)
UPPER_BOUND		NUMBER
ELEM_TYPE_MOD		VARCHAR2(7)
ELEM_TYPE_OWNER		VARCHAR2(30)
ELEM_TYPE_NAME		VARCHAR2(30)
LENGTH		NUMBER
PRECISION		NUMBER
SCALE		NUMBER
CHARACTER_SET_NAME		VARCHAR2(44)

1.58 DBA_TYPE_ATTRS

The DBA_TYPE_ATTRS view contains information on the attributes for all types stored in the database. This view is new in ORACLE8.

Contents of the DBA_TYPE_ATTRS view

Name	Null?	Type
-----	-----	-----

OWNER		VARCHAR2(30)
TYPE_NAME	NOT NULL	VARCHAR2(30)
ATTR_NAME	NOT NULL	VARCHAR2(30)
ATTR_TYPE_MOD		VARCHAR2(7)
ATTR_TYPE_OWNER		VARCHAR2(30)
ATTR_TYPE_NAME		VARCHAR2(30)
LENGTH		NUMBER
PRECISION		NUMBER
SCALE		NUMBER
CHARACTER_SET_NAME		VARCHAR2(44)

1.59 DBA_TYPE_METHODS

The DBA_TYPE_METHODS view contains descriptive information for all type methods stored in the database. This view is new in ORACLE8.

Contents of the DBA_TYPE_METHODS;

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
TYPE_NAME	NOT NULL	VARCHAR2(30)
METHOD_NAME	NOT NULL	VARCHAR2(30)
METHOD_NO	NOT NULL	NUMBER
METHOD_TYPE		VARCHAR2(6)
PARAMETERS	NOT NULL	NUMBER
RESULTS	NOT NULL	NUMBER

1.60 DBA_METHOD_PARAMS

The DBA_METHOD_PARAMS view contains information on all type method parameters. This view is new in ORACLE8.

Contents of the DBA_METHOD_PARAMS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
TYPE_NAME	NOT NULL	VARCHAR2(30)
METHOD_NAME	NOT NULL	VARCHAR2(30)
METHOD_NO	NOT NULL	NUMBER
PARAM_NAME	NOT NULL	VARCHAR2(30)
PARAM_NO	NOT NULL	NUMBER
PARAM_MODE		VARCHAR2(6)
PARAM_TYPE_MOD		VARCHAR2(7)

PARAM_TYPE_OWNER	VARCHAR2(30)
PARAM_TYPE_NAME	VARCHAR2(30)
CHARACTER_SET_NAME	VARCHAR2(44)

1.61 DBA_METHOD_RESULTS

The DBA_METHOD_RESULTS view contains information about all of the results returned by type methods in the database. This view is new for ORACLE8.

Contents of the DBA_METHOD_RESULTS view

Name	Null?	Type
-----	-----	-----
OWNER	NOT NULL	VARCHAR2(30)
TYPE_NAME	NOT NULL	VARCHAR2(30)
METHOD_NAME	NOT NULL	VARCHAR2(30)
METHOD_NO	NOT NULL	NUMBER
RESULT_TYPE_MOD		VARCHAR2(7)
RESULT_TYPE_OWNER		VARCHAR2(30)
RESULT_TYPE_NAME		VARCHAR2(30)
CHARACTER_SET_NAME		VARCHAR2(44)

1.62 DBA_ERRORS

The DBA_ERRORS view contains information on all current errors for all stored objects in the database.

Contents of the DBA_ERRORS view

Name	Null?	Type
-----	-----	-----
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
TYPE		VARCHAR2(12)
SEQUENCE	NOT NULL	NUMBER
LINE	NOT NULL	NUMBER
POSITION	NOT NULL	NUMBER
TEXT	NOT NULL	VARCHAR2(4000)

1.63 DBA_SOURCE

The DBA_SOURCE view contains the text for all stored objects (except triggers) in the database.

This includes procedures, functions, packages, and, package bodies. For a given object the lines of text are ordered by the LINE column.

Contents of the DBA_SOURCE view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
TYPE		VARCHAR2(12)
LINE	NOT NULL	NUMBER
TEXT		VARCHAR2(4000)

1.64 DBA_TRIGGERS

The DBA_TRIGGERS view contains information about all database triggers. To complete the definition of the trigger, this view must be joined by owner and trigger_name to the DBA_TRIGGER_COLS view.

Contents of the DBA_TRIGGERS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
TRIGGER_NAME	NOT NULL	VARCHAR2(30)
TRIGGER_TYPE		VARCHAR2(16)
TRIGGERING_EVENT		VARCHAR2(26)
TABLE_OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
REFERENCING_NAMES		VARCHAR2(87)
WHEN_CLAUSE		VARCHAR2(4000)
STATUS		VARCHAR2(8)
DESCRIPTION		VARCHAR2(4000)
TRIGGER_BODY		LONG

1.65 DBA_TRIGGER_COLS

The DBA_TRIGGER_COLS vieqw contains information on all columns that have triggers defined for them. The COLUMN_LIST column tells if the column specified in used in an UPDATE OF clause.

Contents of the DBA_TRIGGER_COLS view

Name	Null?	Type
-----	-----	----
TRIGGER_OWNER	NOT NULL	VARCHAR2(30)
TRIGGER_NAME	NOT NULL	VARCHAR2(30)
TABLE_OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
COLUMN_NAME		VARCHAR2(4000)
COLUMN_LIST		VARCHAR2(3)
COLUMN_USAGE		VARCHAR2(17)

1.66 DBA_DEPENDENCIES

Th DBA_DEPENDENCIES view contains information about object inter-dependencies.

Contents of the DBA_DEPENDENCIES view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
TYPE		VARCHAR2(12)
REFERENCED_OWNER		VARCHAR2(30)
REFERENCED_NAME		VARCHAR2(64)
REFERENCED_TYPE		VARCHAR2(12)
REFERENCED_LINK_NAME		VARCHAR2(128)

1.67 DBA_OBJECT_SIZE

The DBA_OBJECT_SIZE view contains information about the size in bytes of various stored PL/SQL objects.

Contents of the DBA_OBJECT_SIZE view

Name	Null?	Type
-----	-----	----

OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
TYPE		VARCHAR2(12)
SOURCE_SIZE		NUMBER
PARSED_SIZE		NUMBER
CODE_SIZE		NUMBER
ERROR_SIZE		NUMBER

1.68 DBA_JOBS_RUNNING

The DBA_JOBS_RUNNING view contains data concerning all jobs running on the job queues in the database.

Contents of the DBA_JOBS_RUNNING view

Name	Null?	Type
SID		NUMBER
JOB		NUMBER
FAILURES		NUMBER
LAST_DATE		DATE
LAST_SEC		VARCHAR2(8)
THIS_DATE		DATE
THIS_SEC		VARCHAR2(8)

1.69 DBA_JOBS

The DBA_JOBS view contains a line for each defined job in the database irregardless of its state.

The BROKEN column contains either a Y or N. If the BROKEN column has a Y it means not to run the job (Y=Yes, it is broken). The WHAT column contains the procedure name with any parameters specified, to execute.

Contents of the DBA_JOBS view

Name	Null?	Type
JOB	NOT NULL	NUMBER
LOG_USER	NOT NULL	VARCHAR2(30)
PRIV_USER	NOT NULL	VARCHAR2(30)
SCHEMA_USER	NOT NULL	VARCHAR2(30)
LAST_DATE		DATE
LAST_SEC		VARCHAR2(8)

THIS_DATE		DATE
THIS_SEC		VARCHAR2(8)
NEXT_DATE	NOT NULL	DATE
NEXT_SEC		VARCHAR2(8)
TOTAL_TIME		NUMBER
BROKEN		VARCHAR2(1)
INTERVAL	NOT NULL	VARCHAR2(200)
FAILURES		NUMBER
WHAT		VARCHAR2(4000)
CURRENT_SESSION_LABEL		RAW MLSLABEL
CLEARANCE_HI		RAW MLSLABEL
CLEARANCE_LO		RAW MLSLABEL
NLS_ENV		VARCHAR2(4000)
MISC_ENV		RAW(32)

1.70 DBA_SNAPSHOTS

The DBA_SNAPSHOTS view contains a single row for each of the snapshots defined in the database. If CAN_USE_LOG is set to NO the snapshot is complex and will never use a log, if the UPDATABLE flag is set to NO then the snapshot is read only. The FR_OPERATIONS (Fast Refresh) and CR_OPERATIONS (complete refresh) have two valid values, RENGENERATE or VALID.

Contents of the DBA_SNAPSHOTS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
MASTER_VIEW		VARCHAR2(30)
MASTER_OWNER		VARCHAR2(30)
MASTER		VARCHAR2(30)
MASTER_LINK		VARCHAR2(128)
CAN_USE_LOG		VARCHAR2(3)
UPDATABLE		VARCHAR2(3)
REFRESH_METHOD		VARCHAR2(11)
LAST_REFRESH		DATE
ERROR		NUMBER
FR_OPERATIONS		VARCHAR2(10)
CR_OPERATIONS		VARCHAR2(10)
TYPE		VARCHAR2(8)
NEXT		VARCHAR2(200)
START_WITH		DATE
REFRESH_GROUP		NUMBER
UPDATE_TRIG		VARCHAR2(30)
UPDATE_LOG		VARCHAR2(30)
QUERY		LONG

MASTER_ROLLBACK_SEG

VARCHAR2(30)

1.71 DBA_SNAPSHOT_REFRESH_TIMES

The DBA_SNAPSHOT_REFRESH_TIMES view contains information on snapshot refresh times for all snapshots in the database (the date they were last refreshed). This view is new in ORACLE8.

Contents of the DBA_SNAPSHOT_REFRESH_TIMES view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
MASTER_OWNER		VARCHAR2(30)
MASTER		VARCHAR2(30)
LAST_REFRESH		DATE

1.72 DBA_SNAPSHOT_LOGS

The DBA_SNAPSHOT_LOGS view contains information on all snapshot logs being maintained by the database. If a snapshot is a simple snapshot then a snapshot log can be used to facilitate performance. If the snapshot is complex then it won't have a snapshot log.

Contents of the DBA_SNAPSHOT_LOGS view

Name	Null?	Type
LOG_OWNER	NOT NULL	VARCHAR2(30)
MASTER	NOT NULL	VARCHAR2(30)
LOG_TABLE	NOT NULL	VARCHAR2(30)
LOG_TRIGGER		VARCHAR2(30)
ROWIDS		VARCHAR2(3)
PRIMARY_KEY		VARCHAR2(3)
FILTER_COLUMNS		VARCHAR2(3)
CURRENT_SNAPSHOTS		DATE
SNAPSHOT_ID		NUMBER(38)

1.73 DBA_RCHILD

The DBA_RCHILD view lists all of the children in the refresh groups. A child is an object that gets refreshed when the group refreshes.

Contents of the DBA_RCHILD view

Name	Null?	Type
REFGROUP		NUMBER
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
TYPE#		VARCHAR2(30)

1.74 DBA_RGROU

The DBA_RGROU view contains information about all of the refresh groups. The REFGROUP column relates to the DBA_RCHILD view which lists the refresh group children (members).

Contents of the DBA_RGROU view

Name	Null?	Type
REFGROUP		NUMBER
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
IMPLICIT_DESTROY		VARCHAR2(1)
PUSH_DEFERRED_RPC		VARCHAR2(1)
REFRESH_AFTER_ERRORS		VARCHAR2(1)
ROLLBACK_SEG		VARCHAR2(30)
JOB	NOT NULL	NUMBER

1.75 DBA_REFRESH

The DBA_REFRESH view lists all of the refresh groups.

Contents of the DBA_REFRESH;

Name	Null?	Type
ROWNER	NOT NULL	VARCHAR2(30)
RNAME	NOT NULL	VARCHAR2(30)
REFGROUP		NUMBER

IMPLICIT_DESTROY	VARCHAR2(1)
PUSH_DEFERRED_RPC	VARCHAR2(1)
REFRESH_AFTER_ERRORS	VARCHAR2(1)
ROLLBACK_SEG	VARCHAR2(30)
JOB	NUMBER
NEXT_DATE	DATE
INTERVAL	VARCHAR2(200)
BROKEN	VARCHAR2(1)

1.76 DBA_REFRESH_CHILDREN

The DBA_REFRESH_CHILDREN view lists all of the objects contained in the refresh groups in the database.

Contents of the DBA_REFRESH_CHILDREN;

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
TYPE		VARCHAR2(30)
ROWNER	NOT NULL	VARCHAR2(30)
RNAME	NOT NULL	VARCHAR2(30)
REFGROUP		NUMBER
IMPLICIT_DESTROY		VARCHAR2(1)
PUSH_DEFERRED_RPC		VARCHAR2(1)
REFRESH_AFTER_ERRORS		VARCHAR2(1)
ROLLBACK_SEG		VARCHAR2(30)
JOB		NUMBER
NEXT_DATE		DATE
INTERVAL		VARCHAR2(200)
BROKEN		VARCHAR2(1)

1.77 DBA_REGISTERED_SNAPSHOTS

The DBA_REGISTERED_SNAPSHOTS view contains information on remote snapshots of local tables. This view is new with ORACLE8.

Contents of the DBA_REGISTERED_SNAPSHOTS view

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
SNAPSHOT_SITE	NOT NULL	VARCHAR2(128)

CAN_USE_LOG	VARCHAR2(3)
UPDATABLE	VARCHAR2(3)
REFRESH_METHOD	VARCHAR2(11)
SNAPSHOT_ID	NUMBER(38)
QUERY_TXT	LONG

1.78 DBA_LOCK

The DBA_LOCK view contains information on all locks or latches and all outstanding requests for locks or latches in the database.

Contents of the DBA_LOCK view

Name	Null?	Type
SESSION_ID		NUMBER
LOCK_TYPE		VARCHAR2(26)
MODE_HELD		VARCHAR2(40)
MODE_REQUESTED		VARCHAR2(40)
LOCK_ID1		VARCHAR2(40)
LOCK_ID2		VARCHAR2(40)
LAST_CONVERT		NUMBER
BLOCKING_OTHERS		VARCHAR2(40)

1.79 DBA_IND_PARTITIONS

The DBA_IND_PARTITIONS view contains information on partitioned indexes. This is an ORACLE8 view. The view contains for each index partition, the partition level information, the storage parameters for the partition and the various statistics generated by the ANALYZE command against the partition.

Contents of the DBA_IND_PARTITIONS view

Name	Null?	Type
INDEX_OWNER	NOT NULL	VARCHAR2(30)
INDEX_NAME	NOT NULL	VARCHAR2(30)
PARTITION_NAME		VARCHAR2(30)
HIGH_VALUE		LONG
HIGH_VALUE_LENGTH	NOT NULL	NUMBER
PARTITION_POSITION	NOT NULL	NUMBER
STATUS		VARCHAR2(8)

TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
PCT_FREE	NOT NULL	NUMBER
INI_TRANS	NOT NULL	NUMBER
MAX_TRANS	NOT NULL	NUMBER
INITIAL_EXTENT		NUMBER
NEXT_EXTENT		NUMBER
MIN_EXTENT	NOT NULL	NUMBER
MAX_EXTENT	NOT NULL	NUMBER
PCT_INCREASE	NOT NULL	NUMBER
FREELISTS		NUMBER
LOGGING		VARCHAR2(3)
BLEVEL		NUMBER
LEAF_BLOCKS		NUMBER
DISTINCT_KEYS		NUMBER
AVG_LEAF_BLOCKS_PER_KEY		NUMBER
AVG_DATA_BLOCKS_PER_KEY		NUMBER
CLUSTERING_FACTOR		NUMBER
NUM_ROWS		NUMBER
SAMPLE_SIZE		NUMBER
LAST_ANALYZED		DATE

1.80 DBA_PART_COL_STATISTICS

The DBA_PART_COL_STATISTICS view contains information on partition column statistics and histogram information.

Contents of the DBA_PART_COL_STATISTICS view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
PARTITION_NAME		VARCHAR2(30)
COLUMN_NAME	NOT NULL	VARCHAR2(30)
NUM_DISTINCT		NUMBER
LOW_VALUE		RAW(32)
HIGH_VALUE		RAW(32)
DENSITY		NUMBER
NUM_NULLS		NUMBER
NUM_BUCKETS		NUMBER
SAMPLE_SIZE		NUMBER
LAST_ANALYZED		DATE

1.81 DBA_PART_HISTOGRAMS

The DBA_PART_HISTOGRAMS view contains information on partition histograms (end-points per histogram).

Contents of the DBA_PART_HISTOGRAMS view

Name	Null?	Type
-----	-----	----
OWNER		VARCHAR2(30)
TABLE_NAME		VARCHAR2(30)
PARTITION_NAME		VARCHAR2(30)
COLUMN_NAME		VARCHAR2(30)
BUCKET_NUMBER		NUMBER
ENDPOINT_VALUE		NUMBER

1.82 DBA_PART_INDEXES

The DBA_PART_INDEXES view contains information on the partitioned indexes in the database.

PARTITIONING_TYPE is either RANGE or UNKNOWN. LOCALITY is either LOCAL or GLOBAL. ALIGNMENT is PREFIXED or NON_PREFIXED. DEF_LOGGING is either YES, NO or UNKNOWN.

Contents of the DBA_PART_INDEXES view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
INDEX_NAME	NOT NULL	VARCHAR2(30)
PARTITIONING_TYPE		VARCHAR2(7)
PARTITION_COUNT	NOT NULL	NUMBER
PARTITIONING_KEY_COUNT	NOT NULL	NUMBER
LOCALITY		VARCHAR2(6)
ALIGNMENT		VARCHAR2(12)
DEF_TABLESPACE_NAME		VARCHAR2(30)
DEF_PCT_FREE	NOT NULL	NUMBER
DEF_INI_TRANS	NOT NULL	NUMBER
DEF_MAX_TRANS	NOT NULL	NUMBER
DEF_INITIAL_EXTENT	NOT NULL	NUMBER
DEF_NEXT_EXTENT	NOT NULL	NUMBER
DEF_MIN_EXTENTS	NOT NULL	NUMBER
DEF_MAX_EXTENTS	NOT NULL	NUMBER
DEF_PCT_INCREASE	NOT NULL	NUMBER
DEF_FREELISTS	NOT NULL	NUMBER
DEF_LOGGING		VARCHAR2(7)

1.83 DBA_PART_KEY_COLUMNS

The DBA_PART_KEY_COLUMNS view contains data on the partitioning key columns for all partitioned objects.

Contents of the DBA_PART_KEY_COLUMNS view

Name	Null?	Type
-----	-----	----
OWNER		VARCHAR2(30)
NAME		VARCHAR2(30)
COLUMN_NAME		VARCHAR2(30)
COLUMN_POSITION		NUMBER

1.84 DBA_PART_TABLES

The DBA_PART_TABLES view contains information on all partitioned tables. The column PARTITIONING_TYPE contains the values RANGE and UNKNOWN (at least for now in initial ORACLE8 releases).

Contents of the DBA_PART_TABLES view

Name	Null?	Type
-----	-----	----
OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
PARTITIONING_TYPE		VARCHAR2(7)
PARTITION_COUNT	NOT NULL	NUMBER
PARTITIONING_KEY_COUNT	NOT NULL	NUMBER
DEF_TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
DEF_PCT_FREE	NOT NULL	NUMBER
DEF_PCT_USED	NOT NULL	NUMBER
DEF_INI_TRANS	NOT NULL	NUMBER
DEF_MAX_TRANS	NOT NULL	NUMBER
DEF_INITIAL_EXTENT	NOT NULL	NUMBER
DEF_NEXT_EXTENT	NOT NULL	NUMBER
DEF_MIN_EXTENTS	NOT NULL	NUMBER
DEF_MAX_EXTENTS	NOT NULL	NUMBER
DEF_PCT_INCREASE	NOT NULL	NUMBER
DEF_FREELISTS	NOT NULL	NUMBER
DEF_FREELIST_GROUPS	NOT NULL	NUMBER
DEF_LOGGING		VARCHAR2(7)

1.85 DBA_TAB_PARTITIONS

The DBA_TAB_PARTITIONS view describes for the table level partition the storage parameters for the partition, and the various partition statistics determined by ANALYZE.

Contents of the DBA_TAB_PARTITIONS view

Name	Null?	Type
TABLE_OWNER	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
PARTITION_NAME		VARCHAR2(30)
HIGH_VALUE		LONG
HIGH_VALUE_LENGTH	NOT NULL	NUMBER
PARTITION_POSITION	NOT NULL	NUMBER
TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
PCT_FREE	NOT NULL	NUMBER
PCT_USED	NOT NULL	NUMBER
INI_TRANS	NOT NULL	NUMBER
MAX_TRANS	NOT NULL	NUMBER
INITIAL_EXTENT		NUMBER
NEXT_EXTENT		NUMBER
MIN_EXTENT	NOT NULL	NUMBER
MAX_EXTENT	NOT NULL	NUMBER
PCT_INCREASE	NOT NULL	NUMBER
FREELISTS		NUMBER
FREELIST_GROUPS		NUMBER
LOGGING		VARCHAR2(3)
NUM_ROWS		NUMBER
BLOCKS		NUMBER
EMPTY_BLOCKS		NUMBER
AVG_SPACE		NUMBER
CHAIN_CNT		NUMBER
AVG_ROW_LEN		NUMBER
SAMPLE_SIZE		NUMBER
LAST_ANALYZED		DATE

1.86 DBA_ANALYZE_OBJECTS

Actually this view should be called DBA_ANALYZED_OBJECTS since it actually lists all object that have been analyzed.

Contents of the view dba_analyze_objects:

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
OBJECT_NAME	NOT NULL	VARCHAR2(30)
OBJECT_TYPE		VARCHAR2(7)

1.87 DBA_KEEPSIZES

This view is created by the DBMS_SHARED_POOL package and is used to show the sizes of objects in the SGA.

Contents of the view dba_keepsizes:

Name	Null?	Type
-----	-----	-----
TOTSIZE		NUMBER
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)

1.88 DBA_QTABLE_SORT

The DBA_QTABLE_SORT view is a part of the advanced queuing product. The view contains information on how the messages in the queue tables are sorted.

Contents of the view dba_qtable_sort:

Name	Null?	Type
-----	-----	-----
OWNER	NOT NULL	VARCHAR2(30)
QUEUETABLE	NOT NULL	VARCHAR2(30)
POSITION	NOT NULL	NUMBER
COLUMN_NAME	NOT NULL	VARCHAR2(30)
SORT_ORDER		VARCHAR2(4)

1.89 DBA_QUEUES

The DBA_QUEUES view stores information for the advanced queuing option. The view describes the operational characteristics of every advanced queue in the database. Qtype can be either NORM or EXCPT for either a normal or exception queue. ENQUEUE, DEQUEUE and TRACKING can be either true or false depending upon whether that characteristic is turned on or off.

Contents of the view dba_queues:

Name	Null?	Type
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
QUEUETABLE	NOT NULL	VARCHAR2(30)
QID	NOT NULL	NUMBER
QTYPE		VARCHAR2(4)
MAX_RETRIES		NUMBER
RETRY_INTERVAL		NUMBER
ENQUEUE		VARCHAR2(7)
DEQUEUE		VARCHAR2(7)
TRACKING		VARCHAR2(7)
RETENTION		VARCHAR2(11)
DURATION		NUMBER
USER_COMMENT		VARCHAR2(50)

1.90 DBA_QUEUE_TABLES

The DBA_QUEUE_TABLES view is used with the advanced queuing option. The view contains information about all queue tables in the database. The TYPE column contains information about the type of user data, either OBJECT if the type is a user defined type or VARIENT if it isn't.

Contents of the view dba_queue_tables:

Name	Null?	Type
OWNER		VARCHAR2(30)
QUEUETABLE		VARCHAR2(30)
TYPE		VARCHAR2(7)
OBJECT_TYPE		VARCHAR2(61)
USER_COMMENT		VARCHAR2(50)

1.91 DBA_SNAPSHOT_LOG_FILTER_COLS

The DBA_SNAPSHOT_LOG_FILTER_COLS view contains a single entry for each column used as a snapshot filter column.

Contents of the view dba_snapshot_log_filter_cols:

Name	Null?	Type
------	-------	------

OWNER	NOT NULL	VARCHAR2 (30)
NAME	NOT NULL	VARCHAR2 (30)
COLUMN_NAME	NOT NULL	VARCHAR2 (30)

1.92 DBA_WAITERS

The DBA_WAITERS view is created by the catblock.sql script. The view shows all sessions that are waiting on a lock as well as the session who is blocking them and the lock identification. The LOCK_ID1 and LOCK_ID2 columns correspond to the object identifiers of the object for which the lock is being held.

Contents of the view dba_waiters:

Name	Null?	Type
WAITING_SESSION		NUMBER
HOLDING_SESSION		NUMBER
LOCK_TYPE		VARCHAR2 (26)
MODE_HELD		VARCHAR2 (40)
MODE_REQUESTED		VARCHAR2 (40)
LOCK_ID1		VARCHAR2 (40)
LOCK_ID2		VARCHAR2 (40)

1.93 DBA_BLOCKERS

The DBA_BLOCKERS view contains an entry for each session that is blocking another session without itself being blocked. In a blocking tree these sessions are the root cause of a series of blocks on latches and locks. This view is created by the catblock.sql script.

Contents of the view dba_blockers:

Name	Null?	Type
HOLDING_SESSION		NUMBER

1.94 DBA_DDL_LOCKS

The DBA_DDL_LOCKS view contains a single entry for each data definition lock currently held in the database. This view is created by the catblock.sql script.

Contents of the view dba_ddl_locks:

Name	Null?	Type
-----	-----	-----
SESSION_ID		NUMBER
OWNER		VARCHAR2(30)
NAME		VARCHAR2(30)
TYPE		VARCHAR2(15)
MODE_HELD		VARCHAR2(9)
MODE_REQUESTED		VARCHAR2(9)

1.95 DBA_LOCK_INTERNAL

The DBA_LOCK_INTERNAL view has a row for each lock or latch that is being held, and one row for each outstanding request for a lock or latch. This view can be very, very slow depending on the size of your shared pool area and database activity.

Contents of the view dba_lock_internal:

Name	Null?	Type
-----	-----	-----
SESSION_ID		NUMBER
LOCK_TYPE		VARCHAR2(56)
MODE_HELD		VARCHAR2(40)
MODE_REQUESTED		VARCHAR2(40)
LOCK_ID1		VARCHAR2(1130)
LOCK_ID2		VARCHAR2(40)

1.96 DBA_KGLLOCK

The DBA_KGLLOCK view contains information on KGL locks.

Contents of the view dba_kgllock:

Name	Null?	Type
-----	-----	-----
KGLLKUSE		RAW(4)
KGLLKHDL		RAW(4)
KGLLKMOD		NUMBER
KGLLKREQ		NUMBER
KGLLKTYPE		VARCHAR2(4)

1.97 DBA_DML_LOCKS

The DBA_DML_LOCK view contains a row for each current Data Manipulation Lock active in the database.

Contents of the view dba_dml_locks:

Name	Null?	Type
-----	-----	-----
SESSION_ID		NUMBER
OWNER	NOT NULL	VARCHAR2(30)
NAME	NOT NULL	VARCHAR2(30)
MODE_HELD		VARCHAR2(13)
MODE_REQUESTED		VARCHAR2(13)
LAST_CONVERT		NUMBER
BLOCKING_OTHERS		VARCHAR2(40)