

Following are some useful dynamic performance views for oracle administration

**SQL> Spool D:\v\$Views.sql**

**SQL> desc V\$ACCESS**

Name	Null?	Type
SID		NUMBER
OWNER		VARCHAR2(64)
OBJECT		VARCHAR2(1000)
TYPE		VARCHAR2(24)

**SQL> desc v\$ACTIVE\_INSTANCES**

Name	Null?	Type
INST_NUMBER		NUMBER
INST_NAME		VARCHAR2(60)

**SQL> desc V\$ARCHIVE**

Name	Null?	Type
GROUP#		NUMBER
THREAD#		NUMBER
SEQUENCE#		NUMBER
ISCURRENT		VARCHAR2(3)
CURRENT		VARCHAR2(3)
FIRST_CHANGE#		NUMBER

**SQL> desc V\$ARCHIVED\_LOG**

Name	Null?	Type
RECID		NUMBER
STAMP		NUMBER
NAME		VARCHAR2(513)
DEST_ID		NUMBER
THREAD#		NUMBER
SEQUENCE#		NUMBER
RESETLOGS_CHANGE#		NUMBER
RESETLOGS_TIME		DATE
RESETLOGS_ID		NUMBER
FIRST_CHANGE#		NUMBER
FIRST_TIME		DATE
NEXT_CHANGE#		NUMBER
NEXT_TIME		DATE
BLOCKS		NUMBER
BLOCK_SIZE		NUMBER
CREATOR		VARCHAR2(7)
REGISTRAR		VARCHAR2(7)
STANDBY_DEST		VARCHAR2(3)
ARCHIVED		VARCHAR2(3)
APPLIED		VARCHAR2(3)
DELETED		VARCHAR2(3)
STATUS		VARCHAR2(1)
COMPLETION_TIME		DATE
DICTIONARY_BEGIN		VARCHAR2(3)
DICTIONARY_END		VARCHAR2(3)
END_OF_REDO		VARCHAR2(3)
BACKUP_COUNT		NUMBER
ARCHIVAL_THREAD#		NUMBER
ACTIVATION#		NUMBER
IS_RECOVERY_DEST_FILE		VARCHAR2(3)
COMPRESSED		VARCHAR2(3)

FAL	VARCHAR2(3)
END_OF_REDO_TYPE	VARCHAR2(10)

**SQL> desc V\$ARCHIVE\_DEST**

Name	Null?	Type
DEST_ID		NUMBER
DEST_NAME		VARCHAR2(256)
STATUS		VARCHAR2(9)
BINDING		VARCHAR2(9)
NAME_SPACE		VARCHAR2(7)
TARGET		VARCHAR2(7)
ARCHIVER		VARCHAR2(10)
SCHEDULE		VARCHAR2(8)
DESTINATION		VARCHAR2(256)
LOG_SEQUENCE		NUMBER
REOPEN_SECS		NUMBER
DELAY_MINS		NUMBER
MAX_CONNECTIONS		NUMBER
NET_TIMEOUT		NUMBER
PROCESS		VARCHAR2(10)
REGISTER		VARCHAR2(3)
FAIL_DATE		DATE
FAIL_SEQUENCE		NUMBER
FAIL_BLOCK		NUMBER
FAILURE_COUNT		NUMBER
MAX_FAILURE		NUMBER
ERROR		VARCHAR2(256)
ALTERNATE		VARCHAR2(256)
DEPENDENCY		VARCHAR2(256)
REMOTE_TEMPLATE		VARCHAR2(256)
QUOTA_SIZE		NUMBER
QUOTA_USED		NUMBER
MOUNTID		NUMBER
TRANSMIT_MODE		VARCHAR2(12)
ASYNCH_BLOCKS		NUMBER
AFFIRM		VARCHAR2(3)
TYPE		VARCHAR2(7)
VALID_NOW		VARCHAR2(16)
VALID_TYPE		VARCHAR2(15)
VALID_ROLE		VARCHAR2(12)
DB_UNIQUE_NAME		VARCHAR2(30)
VERIFY		VARCHAR2(3)

**SQL> desc V\$ARCHIVE\_DEST\_STATUS**

Name	Null?	Type
DEST_ID		NUMBER
DEST_NAME		VARCHAR2(256)
STATUS		VARCHAR2(9)
TYPE		VARCHAR2(14)
DATABASE_MODE		VARCHAR2(15)
RECOVERY_MODE		VARCHAR2(23)
PROTECTION_MODE		VARCHAR2(20)
DESTINATION		VARCHAR2(256)
STANDBY_LOGFILE_COUNT		NUMBER
STANDBY_LOGFILE_ACTIVE		NUMBER
ARCHIVED_THREAD#		NUMBER
ARCHIVED_SEQ#		NUMBER
APPLIED_THREAD#		NUMBER
APPLIED_SEQ#		NUMBER

ERROR	VARCHAR2(256)
SRL	VARCHAR2(3)
DB_UNIQUE_NAME	VARCHAR2(30)
SYNCHRONIZATION_STATUS	VARCHAR2(22)
SYNCHRONIZED	VARCHAR2(3)

**SQL> desc V\$ARCHIVE\_PROCESSES**

Name	Null?	Type
PROCESS		NUMBER
STATUS		VARCHAR2(10)
LOG_SEQUENCE		NUMBER
STATE		VARCHAR2(4)

SQL> -- B

**SQL> desc V\$BACKUP**

Name	Null?	Type
FILE#		NUMBER
STATUS		VARCHAR2(18)
CHANGE#		NUMBER
TIME		DATE

**SQL> desc V\$BACKUP\_ASYNC\_IO**

Name	Null?	Type
SID		NUMBER
SERIAL		NUMBER
USE_COUNT		NUMBER
RMAN_STATUS_RECID		NUMBER
RMAN_STATUS_STAMP		NUMBER
DEVICE_TYPE		VARCHAR2(17)
TYPE		VARCHAR2(9)
STATUS		VARCHAR2(11)
FILENAME		VARCHAR2(513)
SET_COUNT		NUMBER
SET_STAMP		NUMBER
BUFFER_SIZE		NUMBER
BUFFER_COUNT		NUMBER
TOTAL_BYTES		NUMBER
OPEN_TIME		DATE
CLOSE_TIME		DATE
ELAPSED_TIME		NUMBER
MAXOPENFILES		NUMBER
BYTES		NUMBER
EFFECTIVE_BYTES_PER_SECOND		NUMBER
IO_COUNT		NUMBER
READY		NUMBER
SHORT_WAITS		NUMBER
SHORT_WAIT_TIME_TOTAL		NUMBER
SHORT_WAIT_TIME_MAX		NUMBER
LONG_WAITS		NUMBER
LONG_WAIT_TIME_TOTAL		NUMBER
LONG_WAIT_TIME_MAX		NUMBER

**SQL> desc V\$BACKUP\_CORRUPTION**

Name	Null?	Type
RECID		NUMBER
STAMP		NUMBER

SET_STAMP	NUMBER
SET_COUNT	NUMBER
PIECE#	NUMBER
FILE#	NUMBER
BLOCK#	NUMBER
BLOCKS	NUMBER
CORRUPTION_CHANGE#	NUMBER
MARKED_CORRUPT	VARCHAR2(3)
CORRUPTION_TYPE	VARCHAR2(9)

**SQL> desc V\$BACKUP\_DATAFILE**

Name	Null?	Type
RECID		NUMBER
STAMP		NUMBER
SET_STAMP		NUMBER
SET_COUNT		NUMBER
FILE#		NUMBER
CREATION_CHANGE#		NUMBER
CREATION_TIME		DATE
RESETLOGS_CHANGE#		NUMBER
RESETLOGS_TIME		DATE
INCREMENTAL_LEVEL		NUMBER
INCREMENTAL_CHANGE#		NUMBER
CHECKPOINT_CHANGE#		NUMBER
CHECKPOINT_TIME		DATE
ABSOLUTE_FUZZY_CHANGE#		NUMBER
MARKED_CORRUPT		NUMBER
MEDIA_CORRUPT		NUMBER
LOGICALLY_CORRUPT		NUMBER
DATAFILE_BLOCKS		NUMBER
BLOCKS		NUMBER
BLOCK_SIZE		NUMBER
OLDEST_OFFLINE_RANGE		NUMBER
COMPLETION_TIME		DATE
CONTROLFILE_TYPE		VARCHAR2(1)
USED_CHANGE_TRACKING		VARCHAR2(3)
BLOCKS_READ		NUMBER
USED_OPTIMIZATION		VARCHAR2(3)

**SQL> desc V\$BACKUP\_DEVICE**

Name	Null?	Type
DEVICE_TYPE		VARCHAR2(17)
DEVICE_NAME		VARCHAR2(513)

**SQL> desc V\$BACKUP\_SET**

Name	Null?	Type
RECID		NUMBER
STAMP		NUMBER
SET_STAMP		NUMBER
SET_COUNT		NUMBER
BACKUP_TYPE		VARCHAR2(1)
CONTROLFILE_INCLUDED		VARCHAR2(3)
INCREMENTAL_LEVEL		NUMBER
PIECES		NUMBER
START_TIME		DATE
COMPLETION_TIME		DATE
ELAPSED_SECONDS		NUMBER
BLOCK_SIZE		NUMBER

INPUT_FILE_SCAN_ONLY	VARCHAR2(3)
KEEP	VARCHAR2(3)
KEEP_UNTIL	DATE
KEEP_OPTIONS	VARCHAR2(10)

**SQL> desc V\$BACKUP\_SPFILE**

Name	Null?	Type
-----	-----	-----
RECID		NUMBER
STAMP		NUMBER
SET_STAMP		NUMBER
SET_COUNT		NUMBER
MODIFICATION_TIME		DATE
BYTES		NUMBER
COMPLETION_TIME		DATE

**SQL> desc V\$BGPROCESS**

Name	Null?	Type
-----	-----	-----
PADDR		RAW(4)
PSERIAL#		NUMBER
NAME		VARCHAR2(5)
DESCRIPTION		VARCHAR2(64)
ERROR		NUMBER

**SQL> dEsc V\$BH**

Name	Null?	Type
-----	-----	-----
FILE#		NUMBER
BLOCK#		NUMBER
CLASS#		NUMBER
STATUS		VARCHAR2(7)
XNC		NUMBER
FORCED_READS		NUMBER
FORCED_WRITES		NUMBER
LOCK_ELEMENT_ADDR		RAW(4)
LOCK_ELEMENT_NAME		NUMBER
LOCK_ELEMENT_CLASS		NUMBER
DIRTY		VARCHAR2(1)
TEMP		VARCHAR2(1)
PING		VARCHAR2(1)
STALE		VARCHAR2(1)
DIRECT		VARCHAR2(1)
NEW		CHAR(1)
OBJD		NUMBER
TS#		NUMBER

**SQL> desc V\$BUFFER\_POOL**

Name	Null?	Type
-----	-----	-----
ID		NUMBER
NAME		VARCHAR2(20)
BLOCK_SIZE		NUMBER
RESIZE_STATE		VARCHAR2(10)
CURRENT_SIZE		NUMBER
BUFFERS		NUMBER
TARGET_SIZE		NUMBER
TARGET_BUFFERS		NUMBER
PREV_SIZE		NUMBER
PREV_BUFFERS		NUMBER
LO_BNUM		NUMBER

HI_BNUM	NUMBER
LO_SETID	NUMBER
HI_SETID	NUMBER
SET_COUNT	NUMBER

**SQL> desc V\$BUFFER\_POOL\_STATISTICS**

Name	Null?	Type
-----		
ID		NUMBER
NAME		VARCHAR2(20)
BLOCK_SIZE		NUMBER
SET_MSIZE		NUMBER
CNUM_REPL		NUMBER
CNUM_WRITE		NUMBER
CNUM_SET		NUMBER
BUF_GOT		NUMBER
SUM_WRITE		NUMBER
SUM_SCAN		NUMBER
FREE_BUFFER_WAIT		NUMBER
WRITE_COMPLETE_WAIT		NUMBER
BUFFER_BUSY_WAIT		NUMBER
FREE_BUFFER_INSPECTED		NUMBER
DIRTY_BUFFERS_INSPECTED		NUMBER
DB_BLOCK_CHANGE		NUMBER
DB_BLOCK_GETS		NUMBER
CONSISTENT_GETS		NUMBER
PHYSICAL_READS		NUMBER
PHYSICAL_WRITES		NUMBER

**SQL> desc V\$CIRCUIT**

Name	Null?	Type
-----		
CIRCUIT		RAW(4)
DISPATCHER		RAW(4)
SERVER		RAW(4)
WAITER		RAW(4)
SADDR		RAW(4)
STATUS		VARCHAR2(16)
QUEUE		VARCHAR2(16)
MESSAGE0		NUMBER
MESSAGE1		NUMBER
MESSAGE2		NUMBER
MESSAGE3		NUMBER
MESSAGES		NUMBER
BYTES		NUMBER
BREAKS		NUMBER
PRESENTATION		VARCHAR2(257)
PCIRCUIT		RAW(4)

**SQL> desc V\$COMPATIBILITY**

ERROR:  
ORA-04043: object V\$COMPATIBILITY does not exist

**SQL> desc V\$CONTEXT**

Name	Null?	Type
-----		
NAMESPACE		VARCHAR2(31)
ATTRIBUTE		VARCHAR2(31)
VALUE		VARCHAR2(4000)

**SQL> desc V\$CONTROLFILE**

Name	Null?	Type
STATUS		VARCHAR2(7)
NAME		VARCHAR2(513)
IS_RECOVERY_DEST_FILE		VARCHAR2(3)
BLOCK_SIZE		NUMBER
FILE_SIZE_BKLS		NUMBER

**SQL> desc V\$CONTROLFILE\_RECORD\_SECTION**

Name	Null?	Type
TYPE		VARCHAR2(28)
RECORD_SIZE		NUMBER
RECORDS_TOTAL		NUMBER
RECORDS_USED		NUMBER
FIRST_INDEX		NUMBER
LAST_INDEX		NUMBER
LAST_RECID		NUMBER

**SQL> desc V\$DATABASE**

Name	Null?	Type
DBID		NUMBER
NAME		VARCHAR2(9)
CREATED		DATE
RESETLOGS_CHANGE#		NUMBER
RESETLOGS_TIME		DATE
PRIOR_RESETLOGS_CHANGE#		NUMBER
PRIOR_RESETLOGS_TIME		DATE
LOG_MODE		VARCHAR2(12)
CHECKPOINT_CHANGE#		NUMBER
ARCHIVE_CHANGE#		NUMBER
CONTROLFILE_TYPE		VARCHAR2(7)
CONTROLFILE_CREATED		DATE
CONTROLFILE_SEQUENCE#		NUMBER
CONTROLFILE_CHANGE#		NUMBER
CONTROLFILE_TIME		DATE
OPEN_RESETLOGS		VARCHAR2(11)
VERSION_TIME		DATE
OPEN_MODE		VARCHAR2(10)
PROTECTION_MODE		VARCHAR2(20)
PROTECTION_LEVEL		VARCHAR2(20)
REMOTE_ARCHIVE		VARCHAR2(8)
ACTIVATION#		NUMBER
SWITCHOVER#		NUMBER
DATABASE_ROLE		VARCHAR2(16)
ARCHIVELOG_CHANGE#		NUMBER
ARCHIVELOG_COMPRESSION		VARCHAR2(8)
SWITCHOVER_STATUS		VARCHAR2(20)
DATAGUARD_BROKER		VARCHAR2(8)
GUARD_STATUS		VARCHAR2(7)
SUPPLEMENTAL_LOG_DATA_MIN		VARCHAR2(8)
SUPPLEMENTAL_LOG_DATA_PK		VARCHAR2(3)
SUPPLEMENTAL_LOG_DATA_UI		VARCHAR2(3)
FORCE_LOGGING		VARCHAR2(3)
PLATFORM_ID		NUMBER
PLATFORM_NAME		VARCHAR2(101)
RECOVERY_TARGET_INCARNATION#		NUMBER
LAST_OPEN_INCARNATION#		NUMBER
CURRENT_SCN		NUMBER

FLASHBACK_ON	VARCHAR2(18)
SUPPLEMENTAL_LOG_DATA_FK	VARCHAR2(3)
SUPPLEMENTAL_LOG_DATA_ALL	VARCHAR2(3)
DB_UNIQUE_NAME	VARCHAR2(30)
STANDBY_BECAME_PRIMARY_SCN	NUMBER
FS_FAILOVER_STATUS	VARCHAR2(21)
FS_FAILOVER_CURRENT_TARGET	VARCHAR2(30)
FS_FAILOVER_THRESHOLD	NUMBER
FS_FAILOVER_OBSERVER_PRESENT	VARCHAR2(7)
FS_FAILOVER_OBSERVER_HOST	VARCHAR2(512)

**SQL> desc V\$DATABASE\_BLOCK\_CORRUPTION**

Name	Null?	Type
FILE#		NUMBER
BLOCK#		NUMBER
BLOCKS		NUMBER
CORRUPTION_CHANGE#		NUMBER
CORRUPTION_TYPE		VARCHAR2(9)

**SQL> desc V\$DATABASE\_INCARNATION**

Name	Null?	Type
INCARNATION#		NUMBER
RESETLOGS_CHANGE#		NUMBER
RESETLOGS_TIME		DATE
PRIOR_RESETLOGS_CHANGE#		NUMBER
PRIOR_RESETLOGS_TIME		DATE
STATUS		VARCHAR2(7)
RESETLOGS_ID		NUMBER
PRIOR_INCARNATION#		NUMBER
FLASHBACK_DATABASE_ALLOWED		VARCHAR2(26)

SQL> desc V\$DATAFILE

ERROR:

ORA-04043: object V\$DATAFILE does not exist

**SQL> desc V\$DATAFILE**

Name	Null?	Type
FILE#		NUMBER
CREATION_CHANGE#		NUMBER
CREATION_TIME		DATE
TS#		NUMBER
RFILE#		NUMBER
STATUS		VARCHAR2(7)
ENABLED		VARCHAR2(10)
CHECKPOINT_CHANGE#		NUMBER
CHECKPOINT_TIME		DATE
UNRECOVERABLE_CHANGE#		NUMBER
UNRECOVERABLE_TIME		DATE
LAST_CHANGE#		NUMBER
LAST_TIME		DATE
OFFLINE_CHANGE#		NUMBER
ONLINE_CHANGE#		NUMBER
ONLINE_TIME		DATE
BYTES		NUMBER
BLOCKS		NUMBER
CREATE_BYTES		NUMBER
BLOCK_SIZE		NUMBER



NAME	VARCHAR2(513)
PLUGGED_IN	NUMBER
BLOCK1_OFFSET	NUMBER
AUX_NAME	VARCHAR2(513)
FIRST_NONLOGGED_SCN	NUMBER
FIRST_NONLOGGED_TIME	DATE

**SQL> desc V\$DATAFILE\_COPY**

Name	Null?	Type
-----	-----	-----
RECID		NUMBER
STAMP		NUMBER
NAME		VARCHAR2(513)
TAG		VARCHAR2(32)
FILE#		NUMBER
RFILE#		NUMBER
CREATION_CHANGE#		NUMBER
CREATION_TIME		DATE
RESETLOGS_CHANGE#		NUMBER
RESETLOGS_TIME		DATE
INCREMENTAL_LEVEL		NUMBER
CHECKPOINT_CHANGE#		NUMBER
CHECKPOINT_TIME		DATE
ABSOLUTE_FUZZY_CHANGE#		NUMBER
RECOVERY_FUZZY_CHANGE#		NUMBER
RECOVERY_FUZZY_TIME		DATE
ONLINE_FUZZY		VARCHAR2(3)
BACKUP_FUZZY		VARCHAR2(3)
MARKED_CORRUPT		NUMBER
MEDIA_CORRUPT		NUMBER
LOGICALLY_CORRUPT		NUMBER
BLOCKS		NUMBER
BLOCK_SIZE		NUMBER
OLDEST_OFFLINE_RANGE		NUMBER
DELETED		VARCHAR2(3)
STATUS		VARCHAR2(1)
COMPLETION_TIME		DATE
CONTROLFILE_TYPE		VARCHAR2(1)
KEEP		VARCHAR2(3)
KEEP_UNTIL		DATE
KEEP_OPTIONS		VARCHAR2(10)
SCANNED		VARCHAR2(3)
IS_RECOVERY_DEST_FILE		VARCHAR2(3)
RMAN_STATUS_RECID		NUMBER
RMAN_STATUS_STAMP		NUMBER

**SQL> desc V\$DATAFILE\_HEADER**

Name	Null?	Type
-----	-----	-----
FILE#		NUMBER
STATUS		VARCHAR2(7)
ERROR		VARCHAR2(18)
FORMAT		NUMBER
RECOVER		VARCHAR2(3)
FUZZY		VARCHAR2(3)
CREATION_CHANGE#		NUMBER
CREATION_TIME		DATE
TABLESPACE_NAME		VARCHAR2(30)
TS#		NUMBER
RFILE#		NUMBER
RESETLOGS_CHANGE#		NUMBER

RESETLOGS_TIME	DATE
CHECKPOINT_CHANGE#	NUMBER
CHECKPOINT_TIME	DATE
CHECKPOINT_COUNT	NUMBER
BYTES	NUMBER
BLOCKS	NUMBER
NAME	VARCHAR2(513)
SPACE_HEADER	VARCHAR2(40)
LAST_DEALLOC_SCN	VARCHAR2(16)

**SQL> desc V\$DBFILE**

Name	Null?	Type
FILE#		NUMBER
NAME		VARCHAR2(513)

**SQL> desc V\$DBLINK**

Name	Null?	Type
DB_LINK		VARCHAR2(128)
OWNER_ID		NUMBER
LOGGED_ON		VARCHAR2(3)
HETEROGENEOUS		VARCHAR2(3)
PROTOCOL		VARCHAR2(6)
OPEN_CURSORS		NUMBER
IN_TRANSACTION		VARCHAR2(3)
UPDATE_SENT		VARCHAR2(3)
COMMIT_POINT_STRENGTH		NUMBER

**SQL> desc V\$DB\_OBJECT\_CACHE**

Name	Null?	Type
OWNER		VARCHAR2(64)
NAME		VARCHAR2(1000)
DB_LINK		VARCHAR2(64)
NAMESPACE		VARCHAR2(28)
TYPE		VARCHAR2(28)
SHARABLE_MEM		NUMBER
LOADS		NUMBER
EXECUTIONS		NUMBER
LOCKS		NUMBER
PINS		NUMBER
KEPT		VARCHAR2(3)
CHILD_LATCH		NUMBER
INVALIDATIONS		NUMBER

**SQL> desc V\$DELETED\_OBJECT**

Name	Null?	Type
RECID		NUMBER
STAMP		NUMBER
TYPE		VARCHAR2(26)
OBJECT_RECID		NUMBER
OBJECT_STAMP		NUMBER
OBJECT_DATA		NUMBER

**SQL> desc V\$DISPATCHER**

Name	Null?	Type
NAME		VARCHAR2(4)
NETWORK		VARCHAR2(128)

PADDR	RAW(4)
STATUS	VARCHAR2(16)
ACCEPT	VARCHAR2(3)
MESSAGES	NUMBER
BYTES	NUMBER
BREAKS	NUMBER
OWNED	NUMBER
CREATED	NUMBER
IDLE	NUMBER
BUSY	NUMBER
LISTENER	NUMBER
CONF_INDX	NUMBER

**SQL> desc V\$EVENT\_NAME**

Name	Null?	Type
EVENT#		NUMBER
EVENT_ID		NUMBER
NAME		VARCHAR2(64)
PARAMETER1		VARCHAR2(64)
PARAMETER2		VARCHAR2(64)
PARAMETER3		VARCHAR2(64)
WAIT_CLASS_ID		NUMBER
WAIT_CLASS#		NUMBER
WAIT_CLASS		VARCHAR2(64)

**SQL> desc V\$EXECUTION**

Name	Null?	Type
PID		NUMBER
DEPTH		NUMBER
FUNCTION		VARCHAR2(10)
TYPE		VARCHAR2(7)
NVALS		NUMBER
VAL1		NUMBER
VAL2		NUMBER
SEQH		NUMBER
SEQL		NUMBER

SQL> desc V\$FILE\_STAT

ERROR:

ORA-04043: object V\$FILE\_STAT does not exist

**SQL> desc V\$FILESTAT**

Name	Null?	Type
FILE#		NUMBER
PHYRDS		NUMBER
PHYWRTS		NUMBER
PHYBLKRD		NUMBER
PHYBLKWRT		NUMBER
SINGLEBLKRDS		NUMBER
READTIM		NUMBER
WRITETIM		NUMBER
SINGLEBLKRDTIM		NUMBER
AVGIOTIM		NUMBER
LSTIOTIM		NUMBER
MINIOTIM		NUMBER
MAXIORTM		NUMBER

MAXIOWTM	NUMBER
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**SQL> desc V\$FIXED\_TABLE**

Name	Null?	Type
NAME		VARCHAR2(30)
OBJECT_ID		NUMBER
TYPE		VARCHAR2(5)
TABLE_NUM		NUMBER

**SQL> desc V\$FIXED\_VIEW\_DEFINITION**

ERROR:  
ORA-04043: object V\$FIXED\_VIEW\_DEFINITION does not exist

**SQL> desc V\$FIXED\_VIEW\_DEFINITION**

Name	Null?	Type
VIEW_NAME		VARCHAR2(30)
VIEW_DEFINITION		VARCHAR2(4000)

SQL>

**SQL> desc V\$GLOBAL\_CONTEXT**

ERROR:  
ORA-04043: object V\$GLOBAL\_CONTEXT does not exist

**SQL> desc V\$GLOBALCONTEXT**

Name	Null?	Type
NAMESPACE		VARCHAR2(31)
ATTRIBUTE		VARCHAR2(31)
VALUE		VARCHAR2(4000)
USERNAME		VARCHAR2(31)
CLIENTIDENTIFIER		VARCHAR2(65)

**SQL> desc V\$GLOBAL\_BLOCKED\_LOCKS**

Name	Null?	Type
ADDR		RAW(4)
KADDR		RAW(4)
SID		NUMBER
TYPE		VARCHAR2(2)
ID1		NUMBER
ID2		NUMBER
LMODE		NUMBER
REQUEST		NUMBER
CTIME		NUMBER

**SQL> desc V\$GLOBAL\_TRANSACTION**

Name	Null?	Type
FORMATID		NUMBER
GLOBALID		RAW(64)
BRANCHID		RAW(64)
BRANCHES		NUMBER
REFCOUNT		NUMBER
PREPARECOUNT		NUMBER
STATE		VARCHAR2(18)

FLAGS	NUMBER
COUPLING	VARCHAR2(15)

**SQL> desc V\$INSTANCE**

Name	Null?	Type
-----	-----	-----
INSTANCE_NUMBER		NUMBER
INSTANCE_NAME		VARCHAR2(16)
HOST_NAME		VARCHAR2(64)
VERSION		VARCHAR2(17)
STARTUP_TIME		DATE
STATUS		VARCHAR2(12)
PARALLEL		VARCHAR2(3)
THREAD#		NUMBER
ARCHIVER		VARCHAR2(7)
LOG_SWITCH_WAIT		VARCHAR2(15)
LOGINS		VARCHAR2(10)
SHUTDOWN_PENDING		VARCHAR2(3)
DATABASE_STATUS		VARCHAR2(17)
INSTANCE_ROLE		VARCHAR2(18)
ACTIVE_STATE		VARCHAR2(9)
BLOCKED		VARCHAR2(3)

**SQL> desc V\$INSTANCE\_RECOVERY**

Name	Null?	Type
-----	-----	-----
RECOVERY_ESTIMATED_IOS		NUMBER
ACTUAL_REDO_BKLS		NUMBER
TARGET_REDO_BKLS		NUMBER
LOG_FILE_SIZE_REDO_BKLS		NUMBER
LOG_CHKPT_TIMEOUT_REDO_BKLS		NUMBER
LOG_CHKPT_INTERVAL_REDO_BKLS		NUMBER
FAST_START_IO_TARGET_REDO_BKLS		NUMBER
TARGET_MTTR		NUMBER
ESTIMATED_MTTR		NUMBER
CKPT_BLOCK_WRITES		NUMBER
OPTIMAL_LOGFILE_SIZE		NUMBER
ESTD_CLUSTER_AVAILABLE_TIME		NUMBER
WRITES_MTTR		NUMBER
WRITES_LOGFILE_SIZE		NUMBER
WRITES_LOG_CHECKPOINT_SETTINGS		NUMBER
WRITES_OTHER_SETTINGS		NUMBER
WRITES_AUTOTUNE		NUMBER
WRITES_FULL_THREAD_CKPT		NUMBER

**SQL> desc V\$LATCH**

Name	Null?	Type
-----	-----	-----
ADDR		RAW(4)
LATCH#		NUMBER
LEVEL#		NUMBER
NAME		VARCHAR2(50)
HASH		NUMBER
GETS		NUMBER
MISSES		NUMBER
SLEEPS		NUMBER
IMMEDIATE_GETS		NUMBER
IMMEDIATE_MISSES		NUMBER
WAITERS_WOKEN		NUMBER
WAITS_HOLDING_LATCH		NUMBER
SPIN_GETS		NUMBER

SLEEP1	NUMBER
SLEEP2	NUMBER
SLEEP3	NUMBER
SLEEP4	NUMBER
SLEEP5	NUMBER
SLEEP6	NUMBER
SLEEP7	NUMBER
SLEEP8	NUMBER
SLEEP9	NUMBER
SLEEP10	NUMBER
SLEEP11	NUMBER
WAIT_TIME	NUMBER

**SQL> desc V\$LATCHNAME**

Name	Null?	Type
-----		
LATCH#		NUMBER
NAME		VARCHAR2(50)
HASH		NUMBER

**SQL> desc V\$LIBRARYCACHE**

Name	Null?	Type
-----		
NAMESPACE		VARCHAR2(15)
GETS		NUMBER
GETHITS		NUMBER
GETHITRATIO		NUMBER
PINS		NUMBER
PINHITS		NUMBER
PINHITRATIO		NUMBER
RELOADS		NUMBER
INVALIDATIONS		NUMBER
DLM_LOCK_REQUESTS		NUMBER
DLM_PIN_REQUESTS		NUMBER
DLM_PIN_RELEASES		NUMBER
DLM_INVALIDATION_REQUESTS		NUMBER
DLM_INVALIDATIONS		NUMBER

**SQL> desc V\$LIBRARY\_CACHE\_MEMORY**

Name	Null?	Type
-----		
LC_NAMESPACE		VARCHAR2(15)
LC_INUSE_MEMORY_OBJECTS		NUMBER
LC_INUSE_MEMORY_SIZE		NUMBER
LC_FREEABLE_MEMORY_OBJECTS		NUMBER
LC_FREEABLE_MEMORY_SIZE		NUMBER

**SQL> desc V\$LICENSE**

Name	Null?	Type
-----		
SESSIONS_MAX		NUMBER
SESSIONS_WARNING		NUMBER
SESSIONS_CURRENT		NUMBER
SESSIONS_HIGHWATER		NUMBER
USERS_MAX		NUMBER
CPU_COUNT_CURRENT		NUMBER
CPU_CORE_COUNT_CURRENT		NUMBER
CPU_SOCKET_COUNT_CURRENT		NUMBER
CPU_COUNT_HIGHWATER		NUMBER
CPU_CORE_COUNT_HIGHWATER		NUMBER
CPU_SOCKET_COUNT_HIGHWATER		NUMBER

**SQL> desc v\$LOCK**

Name	Null?	Type
-----		
ADDR		RAW(4)
KADDR		RAW(4)
SID		NUMBER
TYPE		VARCHAR2(2)
ID1		NUMBER
ID2		NUMBER
LMODE		NUMBER
REQUEST		NUMBER
CTIME		NUMBER
BLOCK		NUMBER

**SQL> desc V\$LOCKED\_OBJECT**

Name	Null?	Type
-----		
XIDUSN		NUMBER
XIDSLOT		NUMBER
XIDSQN		NUMBER
OBJECT_ID		NUMBER
SESSION_ID		NUMBER
ORACLE_USERNAME		VARCHAR2(30)
OS_USER_NAME		VARCHAR2(30)
PROCESS		VARCHAR2(12)
LOCKED_MODE		NUMBER

**SQL> desc V\$LOCK\_ACTIVITY**

Name	Null?	Type
-----		
FROM_VAL		CHAR(4)
TO_VAL		CHAR(1)
ACTION_VAL		CHAR(21)
COUNTER		NUMBER

**SQL> desc v\$LOCK\_ELEMENT**

Name	Null?	Type
-----		
LOCK_ELEMENT_ADDR		RAW(4)
INDX		NUMBER
CLASS		NUMBER
LOCK_ELEMENT_NAME		NUMBER
MODE_HELD		NUMBER
BLOCK_COUNT		NUMBER
RELEASING		NUMBER
ACQUIRING		NUMBER
INVALID		NUMBER
FLAGS		NUMBER

**SQL> desc V\$LOG**

Name	Null?	Type
-----		
GROUP#		NUMBER
THREAD#		NUMBER
SEQUENCE#		NUMBER
BYTES		NUMBER
MEMBERS		NUMBER
ARCHIVED		VARCHAR2(3)
STATUS		VARCHAR2(16)
FIRST_CHANGE#		NUMBER

FIRST\_TIME DATE

```
SQL> desc V$LOGFILE
```

Name	Null?	Type
GROUP#		NUMBER
STATUS		VARCHAR2(7)
TYPE		VARCHAR2(7)
MEMBER		VARCHAR2(513)
IS_RECOVERY_DEST_FILE		VARCHAR2(3)

```
SQL> desc V$LOGHIST
```

Name	Null?	Type
THREAD#		NUMBER
SEQUENCE#		NUMBER
FIRST_CHANGE#		NUMBER
FIRST_TIME		DATE
SWITCH_CHANGE#		NUMBER

```
SQL> desc V$MTS
```

ERROR:

ORA-04043: object V\$MTS does not exist

```
SQL> desc v$MYSTAT
```

Name	Null?	Type
SID		NUMBER
STATISTIC#		NUMBER
VALUE		NUMBER

```
SQL> desc V$NLS_PARAMETERS
```

Name	Null?	Type
PARAMETER		VARCHAR2(64)
VALUE		VARCHAR2(64)

```
SQL> desc V$NLS_VALID_VALUES
```

Name	Null?	Type
PARAMETER		VARCHAR2(64)
VALUE		VARCHAR2(64)
ISDEPRECATED		VARCHAR2(5)

```
SQL> desc V$OBJECT_DEPENDENCY
```

ERROR:

ORA-04043: object V\$OBJECT\_DEPENDENCY does not exist

```
SQL> desc V$OBJECT_DEPENDENCY
```

Name	Null?	Type
FROM_ADDRESS		RAW(4)
FROM_HASH		NUMBER
TO_OWNER		VARCHAR2(64)
TO_NAME		VARCHAR2(1000)
TO_ADDRESS		RAW(4)
TO_HASH		NUMBER
TO_TYPE		NUMBER



**SQL> desc v\$OBJECT\_USAGE**

Name	Null?	Type
INDEX_NAME	NOT NULL	VARCHAR2(30)
TABLE_NAME	NOT NULL	VARCHAR2(30)
MONITORING		VARCHAR2(3)
USED		VARCHAR2(3)
START_MONITORING		VARCHAR2(19)
END_MONITORING		VARCHAR2(19)

**SQL> desc v\$OBsolete\_PARAMETER**

Name	Null?	Type
NAME		VARCHAR2(64)
ISSPECIFIED		VARCHAR2(5)

**SQL> desc v\$OPTION**

Name	Null?	Type
PARAMETER		VARCHAR2(64)
VALUE		VARCHAR2(64)

**SQL> desc V\$PARAMETER**

Name	Null?	Type
NUM		NUMBER
NAME		VARCHAR2(80)
TYPE		NUMBER
VALUE		VARCHAR2(512)
DISPLAY_VALUE		VARCHAR2(512)
ISDEFAULT		VARCHAR2(9)
ISSES_MODIFIABLE		VARCHAR2(5)
ISSYS_MODIFIABLE		VARCHAR2(9)
ISINSTANCE_MODIFIABLE		VARCHAR2(5)
ISMODIFIED		VARCHAR2(10)
ISADJUSTED		VARCHAR2(5)
ISDEPRECATED		VARCHAR2(5)
DESCRIPTION		VARCHAR2(255)
UPDATE_COMMENT		VARCHAR2(255)
HASH		NUMBER

**SQL> desc V\$PARAMETER2**

Name	Null?	Type
NUM		NUMBER
NAME		VARCHAR2(80)
TYPE		NUMBER
VALUE		VARCHAR2(512)
DISPLAY_VALUE		VARCHAR2(512)
ISDEFAULT		VARCHAR2(6)
ISSES_MODIFIABLE		VARCHAR2(5)
ISSYS_MODIFIABLE		VARCHAR2(9)
ISINSTANCE_MODIFIABLE		VARCHAR2(5)
ISMODIFIED		VARCHAR2(10)
ISADJUSTED		VARCHAR2(5)
ISDEPRECATED		VARCHAR2(5)
DESCRIPTION		VARCHAR2(255)
ORDINAL		NUMBER
UPDATE_COMMENT		VARCHAR2(255)

**SQL> desc V\$PGASTAT**

Name	Null?	Type
NAME		VARCHAR2(64)
VALUE		NUMBER
UNIT		VARCHAR2(12)

**SQL> desc V\$PGA\_TARGET\_ADVICE**

Name	Null?	Type
PGA_TARGET_FOR_ESTIMATE		NUMBER
PGA_TARGET_FACTOR		NUMBER
ADVICE_STATUS		VARCHAR2(3)
BYTES_PROCESSED		NUMBER
ESTD_EXTRA_BYTES_RW		NUMBER
ESTD_PGA_CACHE_HIT_PERCENTAGE		NUMBER
ESTD_OVERALLOC_COUNT		NUMBER

**SQL> desc v\$PGA\_ADVICE\_HISTOGRAM**

ERROR:  
ORA-04043: object v\$PGA\_ADVICE\_HISTOGRAM does not exist

**SQL> desc V\$PGA\_TARGET\_ADVICE\_HISTOGRAM**

Name	Null?	Type
PGA_TARGET_FOR_ESTIMATE		NUMBER
PGA_TARGET_FACTOR		NUMBER
ADVICE_STATUS		VARCHAR2(3)
LOW_OPTIMAL_SIZE		NUMBER
HIGH_OPTIMAL_SIZE		NUMBER
ESTD_OPTIMAL_EXECUTIONS		NUMBER
ESTD_ONEPASS_EXECUTIONS		NUMBER
ESTD_MULTIPASSES_EXECUTIONS		NUMBER
ESTD_TOTAL_EXECUTIONS		NUMBER
IGNORED_WORKAREAS_COUNT		NUMBER

**SQL> desc V\$PROCESS**

Name	Null?	Type
ADDR		RAW(4)
PID		NUMBER
SPID		VARCHAR2(12)
USERNAME		VARCHAR2(15)
SERIAL#		NUMBER
TERMINAL		VARCHAR2(16)
PROGRAM		VARCHAR2(64)
TRACEID		VARCHAR2(255)
BACKGROUND		VARCHAR2(1)
LATCHWAIT		VARCHAR2(8)
LATCHSPIN		VARCHAR2(8)
PGA_USED_MEM		NUMBER
PGA_ALLOC_MEM		NUMBER
PGA_FREEABLE_MEM		NUMBER
PGA_MAX_MEM		NUMBER

**SQL> desc V\$PWFILERS**

Name	Null?	Type
USERNAME		VARCHAR2(30)
SYSDBA		VARCHAR2(5)
SYSOPER		VARCHAR2(5)

**SQL> desc V\$QUEUE**

Name	Null?	Type
PADDR		RAW(4)
TYPE		VARCHAR2(10)
QUEUED		NUMBER
WAIT		NUMBER
TOTALQ		NUMBER

**SQL> desc V\$RECOVERY\_FILE\_STATUS**

Name	Null?	Type
FILENUM		NUMBER
FILENAME		VARCHAR2(513)
STATUS		VARCHAR2(13)

**SQL> desc V\$RECOVERY\_LOG**

Name	Null?	Type
THREAD#		NUMBER
SEQUENCE#		NUMBER
TIME		DATE
ARCHIVE_NAME		VARCHAR2(513)

**SQL> desc V\$RECOVERY\_PROGRESS**

Name	Null?	Type
START_TIME		DATE
TYPE		VARCHAR2(64)
ITEM		VARCHAR2(32)
UNITS		VARCHAR2(32)
SO FAR		NUMBER
TOTAL		NUMBER
TIMESTAMP		DATE

**SQL> desc V\$RECOVERY\_STATUS**

Name	Null?	Type
RECOVERY_CHECKPOINT		DATE
THREAD		NUMBER
SEQUENCE_NEEDED		NUMBER
SCN_NEEDED		VARCHAR2(16)
TIME_NEEDED		DATE
PREVIOUS_LOG_NAME		VARCHAR2(513)
PREVIOUS_LOG_STATUS		VARCHAR2(13)
REASON		VARCHAR2(13)

**SQL> desc V\$RECOVER\_FILE**

Name	Null?	Type
FILE#		NUMBER
ONLINE		VARCHAR2(7)
ONLINE_STATUS		VARCHAR2(7)
ERROR		VARCHAR2(18)
CHANGE#		NUMBER
TIME		DATE

**SQL> desc V\$RESERVED\_WORDS**

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

KEYWORD	VARCHAR2(30)
LENGTH	NUMBER
RESERVED	VARCHAR2(1)
RES_TYPE	VARCHAR2(1)
RES_ATTR	VARCHAR2(1)
RES_SEMI	VARCHAR2(1)
DUPLICATE	VARCHAR2(1)

**SQL> desc V\$RESOURCE**

Name	Null?	Type
ADDR		RAW(4)
TYPE		VARCHAR2(2)
ID1		NUMBER
ID2		NUMBER

**SQL> desc V\$RESOURCE\_LIMIT**

Name	Null?	Type
RESOURCE_NAME		VARCHAR2(30)
CURRENT_UTILIZATION		NUMBER
MAX_UTILIZATION		NUMBER
INITIAL_ALLOCATION		VARCHAR2(10)
LIMIT_VALUE		VARCHAR2(10)

**SQL> desc V\$RESUMABLE**

Name	Null?	Type
ADDR		RAW(4)
SID		NUMBER
ENABLED		VARCHAR2(3)
STATUS		VARCHAR2(9)
TIMEOUT		NUMBER
SUSPEND_TIME		VARCHAR2(20)
RESUME_TIME		VARCHAR2(20)
NAME		VARCHAR2(4000)
ERROR_NUMBER		NUMBER
ERROR_PARAMETER1		VARCHAR2(80)
ERROR_PARAMETER2		VARCHAR2(80)
ERROR_PARAMETER3		VARCHAR2(80)
ERROR_PARAMETER4		VARCHAR2(80)
ERROR_PARAMETER5		VARCHAR2(80)
ERROR_MSG		VARCHAR2(4000)

**SQL> desc V\$RMAN\_CONFIGURATION**

Name	Null?	Type
CONF#		NUMBER
NAME		VARCHAR2(65)
VALUE		VARCHAR2(1025)

**SQL> desc V\$ROLLNAME**

Name	Null?	Type
USN		NUMBER
NAME		NOT NULL VARCHAR2(30)

**SQL> desc V\$ROLLSTAT**

Name	Null?	Type
USN		NUMBER

LATCH	NUMBER
EXTENTS	NUMBER
RSSIZE	NUMBER
WRITES	NUMBER
XACTS	NUMBER
GETS	NUMBER
WAITS	NUMBER
OPTSIZE	NUMBER
HWMSIZE	NUMBER
SHRINKS	NUMBER
WRAPS	NUMBER
EXTENDS	NUMBER
AVESHRINK	NUMBER
AVEACTIVE	NUMBER
STATUS	VARCHAR2(15)
CUREXT	NUMBER
CURBLK	NUMBER

**SQL> desc V\$ROWCACHE**

Name	Null?	Type
CACHE#		NUMBER
TYPE		VARCHAR2(11)
SUBORDINATE#		NUMBER
PARAMETER		VARCHAR2(32)
COUNT		NUMBER
USAGE		NUMBER
FIXED		NUMBER
GETS		NUMBER
GETMISSES		NUMBER
SCANS		NUMBER
SCANMISSES		NUMBER
SCANCOMPLETES		NUMBER
MODIFICATIONS		NUMBER
FLUSHES		NUMBER
DLM_REQUESTS		NUMBER
DLM_CONFLICTS		NUMBER
DLM_RELEASES		NUMBER

**SQL> desc V\$SEGMENT\_STATISTICS**

Name	Null?	Type
OWNER		VARCHAR2(30)
OBJECT_NAME		VARCHAR2(30)
SUBOBJECT_NAME		VARCHAR2(30)
TABLESPACE_NAME		VARCHAR2(30)
TS#		NUMBER
OBJ#		NUMBER
DATAOBJ#		NUMBER
OBJECT_TYPE		VARCHAR2(18)
STATISTIC_NAME		VARCHAR2(64)
STATISTIC#		NUMBER
VALUE		NUMBER

**SQL> desc V\$SEGSTAT**

Name	Null?	Type
TS#		NUMBER
OBJ#		NUMBER
DATAOBJ#		NUMBER
STATISTIC_NAME		VARCHAR2(64)

STATISTIC#	NUMBER
VALUE	NUMBER

**SQL> desc V\$SEGSTAT\_NAME**

Name	Null?	Type
STATISTIC#		NUMBER
NAME		VARCHAR2(64)
SAMPLED		VARCHAR2(3)

**SQL> desc V\$SESSION**

Name	Null?	Type
SADDR		RAW(4)
SID		NUMBER
SERIAL#		NUMBER
AUDSID		NUMBER
PADDR		RAW(4)
USER#		NUMBER
USERNAME		VARCHAR2(30)
COMMAND		NUMBER
OWNERID		NUMBER
TADDR		VARCHAR2(8)
LOCKWAIT		VARCHAR2(8)
STATUS		VARCHAR2(8)
SERVER		VARCHAR2(9)
SCHEMA#		NUMBER
SCHEMANAME		VARCHAR2(30)
OSUSER		VARCHAR2(30)
PROCESS		VARCHAR2(12)
MACHINE		VARCHAR2(64)
TERMINAL		VARCHAR2(16)
PROGRAM		VARCHAR2(64)
TYPE		VARCHAR2(10)
SQL_ADDRESS		RAW(4)
SQL_HASH_VALUE		NUMBER
SQL_ID		VARCHAR2(13)
SQL_CHILD_NUMBER		NUMBER
PREV_SQL_ADDR		RAW(4)
PREV_HASH_VALUE		NUMBER
PREV_SQL_ID		VARCHAR2(13)
PREV_CHILD_NUMBER		NUMBER
MODULE		VARCHAR2(48)
MODULE_HASH		NUMBER
ACTION		VARCHAR2(32)
ACTION_HASH		NUMBER
CLIENT_INFO		VARCHAR2(64)
FIXED_TABLE_SEQUENCE		NUMBER
ROW_WAIT_OBJ#		NUMBER
ROW_WAIT_FILE#		NUMBER
ROW_WAIT_BLOCK#		NUMBER
ROW_WAIT_ROW#		NUMBER
LOGON_TIME		DATE
LAST_CALL_ET		NUMBER
PDML_ENABLED		VARCHAR2(3)
FAILOVER_TYPE		VARCHAR2(13)
FAILOVER_METHOD		VARCHAR2(10)
FAILED_OVER		VARCHAR2(3)
RESOURCE_CONSUMER_GROUP		VARCHAR2(32)
PDML_STATUS		VARCHAR2(8)
PDDL_STATUS		VARCHAR2(8)

PQ_STATUS	VARCHAR2(8)
CURRENT_QUEUE_DURATION	NUMBER
CLIENT_IDENTIFIER	VARCHAR2(64)
BLOCKING_SESSION_STATUS	VARCHAR2(11)
BLOCKING_INSTANCE	NUMBER
BLOCKING_SESSION	NUMBER
SEQ#	NUMBER
EVENT#	NUMBER
EVENT	VARCHAR2(64)
P1TEXT	VARCHAR2(64)
P1	NUMBER
P1RAW	RAW(4)
P2TEXT	VARCHAR2(64)
P2	NUMBER
P2RAW	RAW(4)
P3TEXT	VARCHAR2(64)
P3	NUMBER
P3RAW	RAW(4)
WAIT_CLASS_ID	NUMBER
WAIT_CLASS#	NUMBER
WAIT_CLASS	VARCHAR2(64)
WAIT_TIME	NUMBER
SECONDS_IN_WAIT	NUMBER
STATE	VARCHAR2(19)
SERVICE_NAME	VARCHAR2(64)
SQL_TRACE	VARCHAR2(8)
SQL_TRACE_WAITS	VARCHAR2(5)
SQL_TRACE_BINDS	VARCHAR2(5)

**SQL> desc V\$SESSION\_EVENT**

Name	Null?	Type
SID		NUMBER
EVENT		VARCHAR2(64)
TOTAL_WAITS		NUMBER
TOTAL_TIMEOUTS		NUMBER
TIME_WAITED		NUMBER
AVERAGE_WAIT		NUMBER
MAX_WAIT		NUMBER
TIME_WAITED_MICRO		NUMBER
EVENT_ID		NUMBER
WAIT_CLASS_ID		NUMBER
WAIT_CLASS#		NUMBER
WAIT_CLASS		VARCHAR2(64)

**SQL> desc V\$SESSION\_LONGOPS**

Name	Null?	Type
SID		NUMBER
SERIAL#		NUMBER
OPNAME		VARCHAR2(64)
TARGET		VARCHAR2(64)
TARGET_DESC		VARCHAR2(32)
SOFAR		NUMBER
TOTALWORK		NUMBER
UNITS		VARCHAR2(32)
START_TIME		DATE
LAST_UPDATE_TIME		DATE
TIMESTAMP		DATE
TIME_REMAINING		NUMBER
ELAPSED_SECONDS		NUMBER

CONTEXT	NUMBER
MESSAGE	VARCHAR2(512)
USERNAME	VARCHAR2(30)
SQL_ADDRESS	RAW(4)
SQL_HASH_VALUE	NUMBER
SQL_ID	VARCHAR2(13)
QCSID	NUMBER

**SQL> desc v\$SESSION\_OBJECT\_CACHE**

Name	Null?	Type
PINS		NUMBER
HITS		NUMBER
TRUE_HITS		NUMBER
HIT_RATIO		NUMBER
TRUE_HIT_RATIO		NUMBER
OBJECT_REFRESHES		NUMBER
CACHE_REFRESHES		NUMBER
OBJECT_FLUSHES		NUMBER
CACHE_FLUSHES		NUMBER
CACHE_SHRINKS		NUMBER
CACHED_OBJECTS		NUMBER
PINNED_OBJECTS		NUMBER
CACHE_SIZE		NUMBER
OPTIMAL_SIZE		NUMBER
MAXIMUM_SIZE		NUMBER

**SQL> desc V\$SESSION\_WAIT**

Name	Null?	Type
SID		NUMBER
SEQ#		NUMBER
EVENT		VARCHAR2(64)
P1TEXT		VARCHAR2(64)
P1		NUMBER
P1RAW		RAW(4)
P2TEXT		VARCHAR2(64)
P2		NUMBER
P2RAW		RAW(4)
P3TEXT		VARCHAR2(64)
P3		NUMBER
P3RAW		RAW(4)
WAIT_CLASS_ID		NUMBER
WAIT_CLASS#		NUMBER
WAIT_CLASS		VARCHAR2(64)
WAIT_TIME		NUMBER
SECONDS_IN_WAIT		NUMBER
STATE		VARCHAR2(19)

**SQL> desc V\$SESSTAT**

Name	Null?	Type
SID		NUMBER
STATISTIC#		NUMBER
VALUE		NUMBER

**SQL> desc V\$SESS\_IO**

Name	Null?	Type
SID		NUMBER
BLOCK_GETS		NUMBER



CONSISTENT_GETS	NUMBER
PHYSICAL_READS	NUMBER
BLOCK_CHANGES	NUMBER
CONSISTENT_CHANGES	NUMBER

**SQL> desc V\$SGa**

Name	Null?	Type
NAME		VARCHAR2(20)
VALUE		NUMBER

**SQL> desc V\$SGASTAT**

Name	Null?	Type
POOL		VARCHAR2(12)
NAME		VARCHAR2(26)
BYTES		NUMBER

**SQL> desc v\$SGA\_DYNAMIC\_COMPONENTS**

Name	Null?	Type
COMPONENT		VARCHAR2(64)
CURRENT_SIZE		NUMBER
MIN_SIZE		NUMBER
MAX_SIZE		NUMBER
USER_SPECIFIED_SIZE		NUMBER
OPER_COUNT		NUMBER
LAST_OPER_TYPE		VARCHAR2(13)
LAST_OPER_MODE		VARCHAR2(9)
LAST_OPER_TIME		DATE
GRANULE_SIZE		NUMBER

**SQL> desc V\$SGA\_DYMANIC\_FREE\_MEMORY**

ERROR:

ORA-04043: object V\$SGA\_DYMANIC\_FREE\_MEMORY does not exist

**SQL> DESC V\$SGA\_DYNAMIC\_FREE\_MEMORY**

Name	Null?	Type
CURRENT_SIZE		NUMBER

**SQL> desc V\$SHARED\_POOL\_ADVICE**

Name	Null?	Type
SHARED_POOL_SIZE_FOR_ESTIMATE		NUMBER
SHARED_POOL_SIZE_FACTOR		NUMBER
ESTD_LC_SIZE		NUMBER
ESTD_LC_MEMORY_OBJECTS		NUMBER
ESTD_LC_TIME_SAVED		NUMBER
ESTD_LC_TIME_SAVED_FACTOR		NUMBER
ESTD_LC_LOAD_TIME		NUMBER
ESTD_LC_LOAD_TIME_FACTOR		NUMBER
ESTD_LC_MEMORY_OBJECT_HITS		NUMBER

**SQL> desc V\$SHARED\_POOL\_RESERVED**

Name	Null?	Type
FREE_SPACE		NUMBER
AVG_FREE_SIZE		NUMBER
FREE_COUNT		NUMBER

MAX_FREE_SIZE	NUMBER
USED_SPACE	NUMBER
AVG_USED_SIZE	NUMBER
USED_COUNT	NUMBER
MAX_USED_SIZE	NUMBER
REQUESTS	NUMBER
REQUEST_MISSES	NUMBER
LAST_MISS_SIZE	NUMBER
MAX_MISS_SIZE	NUMBER
REQUEST_FAILURES	NUMBER
LAST_FAILURE_SIZE	NUMBER
ABORTED_REQUEST_THRESHOLD	NUMBER
ABORTED_REQUESTS	NUMBER
LAST_ABORTED_SIZE	NUMBER

**SQL> desc V\$SHARED\_SERVER**

Name	Null?	Type
NAME		VARCHAR2(4)
PADDR		RAW(4)
STATUS		VARCHAR2(16)
MESSAGES		NUMBER
BYTES		NUMBER
BREAKS		NUMBER
CIRCUIT		RAW(4)
IDLE		NUMBER
BUSY		NUMBER
REQUESTS		NUMBER

**SQL> desc V\$SORT\_SEGMENT**

Name	Null?	Type
TABLESPACE_NAME		VARCHAR2(31)
SEGMENT_FILE		NUMBER
SEGMENT_BLOCK		NUMBER
EXTENT_SIZE		NUMBER
CURRENT_USERS		NUMBER
TOTAL_EXTENTS		NUMBER
TOTAL_BLOCKS		NUMBER
USED_EXTENTS		NUMBER
USED_BLOCKS		NUMBER
FREE_EXTENTS		NUMBER
FREE_BLOCKS		NUMBER
ADDED_EXTENTS		NUMBER
EXTENT_HITS		NUMBER
FREED_EXTENTS		NUMBER
FREE_REQUESTS		NUMBER
MAX_SIZE		NUMBER
MAX_BLOCKS		NUMBER
MAX_USED_SIZE		NUMBER
MAX_USED_BLOCKS		NUMBER
MAX_SORT_SIZE		NUMBER
MAX_SORT_BLOCKS		NUMBER
RELATIVE_FNO		NUMBER

**SQL> desc V\$SORT\_USAGE**

Name	Null?	Type
USERNAME		VARCHAR2(30)
USER		VARCHAR2(30)
SESSION_ADDR		RAW(4)

SESSION_NUM	NUMBER
SQLADDR	RAW(4)
SQLHASH	NUMBER
SQL_ID	VARCHAR2(13)
TABLESPACE	VARCHAR2(31)
CONTENTS	VARCHAR2(9)
SEGTYPE	VARCHAR2(9)
SEGFILE#	NUMBER
SEGBLK#	NUMBER
EXTENTS	NUMBER
BLOCKS	NUMBER
SEGRFNO#	NUMBER

**SQL> desc V\$SPPARAMETER**

Name	Null?	Type
SID		VARCHAR2(80)
NAME		VARCHAR2(80)
VALUE		VARCHAR2(255)
DISPLAY_VALUE		VARCHAR2(255)
ISSPECIFIED		VARCHAR2(6)
ORDINAL		NUMBER
UPDATE_COMMENT		VARCHAR2(255)

**SQL> desc V\$SQL**

Name	Null?	Type
SQL_TEXT		VARCHAR2(1000)
SQL_FULLTEXT		CLOB
SQL_ID		VARCHAR2(13)
SHARABLE_MEM		NUMBER
PERSISTENT_MEM		NUMBER
RUNTIME_MEM		NUMBER
SORTS		NUMBER
LOADED_VERSIONS		NUMBER
OPEN_VERSIONS		NUMBER
USERS_OPENING		NUMBER
FETCHES		NUMBER
EXECUTIONS		NUMBER
PX_SERVERS_EXECUTIONS		NUMBER
END_OF_FETCH_COUNT		NUMBER
USERS_EXECUTING		NUMBER
LOADS		NUMBER
FIRST_LOAD_TIME		VARCHAR2(19)
INVALIDATIONS		NUMBER
PARSE_CALLS		NUMBER
DISK_READS		NUMBER
DIRECT_WRITES		NUMBER
BUFFER_GETS		NUMBER
APPLICATION_WAIT_TIME		NUMBER
CONCURRENCY_WAIT_TIME		NUMBER
CLUSTER_WAIT_TIME		NUMBER
USER_IO_WAIT_TIME		NUMBER
PLSQL_EXEC_TIME		NUMBER
JAVA_EXEC_TIME		NUMBER
ROWS_PROCESSED		NUMBER
COMMAND_TYPE		NUMBER
OPTIMIZER_MODE		VARCHAR2(10)
OPTIMIZER_COST		NUMBER
OPTIMIZER_ENV		RAW(797)
OPTIMIZER_ENV_HASH_VALUE		NUMBER

PARSING_USER_ID	NUMBER
PARSING_SCHEMA_ID	NUMBER
PARSING_SCHEMA_NAME	VARCHAR2(30)
KEPT_VERSIONS	NUMBER
ADDRESS	RAW(4)
TYPE_CHK_HEAP	RAW(4)
HASH_VALUE	NUMBER
OLD_HASH_VALUE	NUMBER
PLAN_HASH_VALUE	NUMBER
CHILD_NUMBER	NUMBER
SERVICE	VARCHAR2(64)
SERVICE_HASH	NUMBER
MODULE	VARCHAR2(64)
MODULE_HASH	NUMBER
ACTION	VARCHAR2(64)
ACTION_HASH	NUMBER
SERIALIZABLE_ABORTS	NUMBER
OUTLINE_CATEGORY	VARCHAR2(64)
CPU_TIME	NUMBER
ELAPSED_TIME	NUMBER
OUTLINE_SID	NUMBER
CHILD_ADDRESS	RAW(4)
SQLTYPE	NUMBER
REMOTE	VARCHAR2(1)
OBJECT_STATUS	VARCHAR2(19)
LITERAL_HASH_VALUE	NUMBER
LAST_LOAD_TIME	VARCHAR2(19)
IS_OBSOLETE	VARCHAR2(1)
CHILD_LATCH	NUMBER
SQL_PROFILE	VARCHAR2(64)
PROGRAM_ID	NUMBER
PROGRAM_LINE#	NUMBER
EXACT_MATCHING_SIGNATURE	NUMBER
FORCE_MATCHING_SIGNATURE	NUMBER
LAST_ACTIVE_TIME	DATE
BIND_DATA	RAW(2000)

**SQL> desc V\$SQLAREA**

Name	Null?	Type
SQL_TEXT		VARCHAR2(1000)
SQL_FULLTEXT		CLOB
SQL_ID		VARCHAR2(13)
SHARABLE_MEM		NUMBER
PERSISTENT_MEM		NUMBER
RUNTIME_MEM		NUMBER
SORTS		NUMBER
VERSION_COUNT		NUMBER
LOADED_VERSIONS		NUMBER
OPEN_VERSIONS		NUMBER
USERS_OPENING		NUMBER
FETCHES		NUMBER
EXECUTIONS		NUMBER
PX_SERVERS_EXECUTIONS		NUMBER
END_OF_FETCH_COUNT		NUMBER
USERS_EXECUTING		NUMBER
LOADS		NUMBER
FIRST_LOAD_TIME		VARCHAR2(19)
INVALIDATIONS		NUMBER
PARSE_CALLS		NUMBER
DISK_READS		NUMBER

DIRECT_WRITES	NUMBER
BUFFER_GETS	NUMBER
APPLICATION_WAIT_TIME	NUMBER
CONCURRENCY_WAIT_TIME	NUMBER
CLUSTER_WAIT_TIME	NUMBER
USER_IO_WAIT_TIME	NUMBER
PLSQL_EXEC_TIME	NUMBER
JAVA_EXEC_TIME	NUMBER
ROWS_PROCESSED	NUMBER
COMMAND_TYPE	NUMBER
OPTIMIZER_MODE	VARCHAR2(10)
OPTIMIZER_COST	NUMBER
OPTIMIZER_ENV	RAW(797)
OPTIMIZER_ENV_HASH_VALUE	NUMBER
PARSING_USER_ID	NUMBER
PARSING_SCHEMA_ID	NUMBER
PARSING_SCHEMA_NAME	VARCHAR2(30)
KEPT_VERSIONS	NUMBER
ADDRESS	RAW(4)
HASH_VALUE	NUMBER
OLD_HASH_VALUE	NUMBER
PLAN_HASH_VALUE	NUMBER
MODULE	VARCHAR2(64)
MODULE_HASH	NUMBER
ACTION	VARCHAR2(64)
ACTION_HASH	NUMBER
SERIALIZABLE_ABORTS	NUMBER
OUTLINE_CATEGORY	VARCHAR2(64)
CPU_TIME	NUMBER
ELAPSED_TIME	NUMBER
OUTLINE_SID	VARCHAR2(40)
LAST_ACTIVE_CHILD_ADDRESS	RAW(4)
REMOTE	VARCHAR2(1)
OBJECT_STATUS	VARCHAR2(19)
LITERAL_HASH_VALUE	NUMBER
LAST_LOAD_TIME	DATE
IS_OBSOLETE	VARCHAR2(1)
CHILD_LATCH	NUMBER
SQL_PROFILE	VARCHAR2(64)
PROGRAM_ID	NUMBER
PROGRAM_LINE#	NUMBER
EXACT_MATCHING_SIGNATURE	NUMBER
FORCE_MATCHING_SIGNATURE	NUMBER
LAST_ACTIVE_TIME	DATE
BIND_DATA	RAW(2000)

**SQL> desc V\$SQLTEXT**

Name	Null?	Type
ADDRESS		RAW(4)
HASH_VALUE		NUMBER
SQL_ID		VARCHAR2(13)
COMMAND_TYPE		NUMBER
PIECE		NUMBER
SQL_TEXT		VARCHAR2(64)

**SQL> desc V\$SQL\_PLAN**

Name	Null?	Type
ADDRESS		RAW(4)
HASH_VALUE		NUMBER

SQL_ID	VARCHAR2(13)
PLAN_HASH_VALUE	NUMBER
CHILD_ADDRESS	RAW(4)
CHILD_NUMBER	NUMBER
TIMESTAMP	DATE
OPERATION	VARCHAR2(30)
OPTIONS	VARCHAR2(30)
OBJECT_NODE	VARCHAR2(40)
OBJECT#	NUMBER
OBJECT_OWNER	VARCHAR2(30)
OBJECT_NAME	VARCHAR2(30)
OBJECT_ALIAS	VARCHAR2(65)
OBJECT_TYPE	VARCHAR2(20)
OPTIMIZER	VARCHAR2(20)
ID	NUMBER
PARENT_ID	NUMBER
DEPTH	NUMBER
POSITION	NUMBER
SEARCH_COLUMNS	NUMBER
COST	NUMBER
CARDINALITY	NUMBER
BYTES	NUMBER
OTHER_TAG	VARCHAR2(35)
PARTITION_START	VARCHAR2(5)
PARTITION_STOP	VARCHAR2(5)
PARTITION_ID	NUMBER
OTHER	VARCHAR2(4000)
DISTRIBUTION	VARCHAR2(20)
CPU_COST	NUMBER
IO_COST	NUMBER
TEMP_SPACE	NUMBER
ACCESS_PREDICATES	VARCHAR2(4000)
FILTER_PREDICATES	VARCHAR2(4000)
PROJECTION	VARCHAR2(4000)
TIME	NUMBER
QBLOCK_NAME	VARCHAR2(30)
REMARKS	VARCHAR2(4000)
OTHER_XML	CLOB

**SQL> desc V\$SQL\_PLAN\_STATISTICS**

Name	Null?	Type
ADDRESS		RAW(4)
HASH_VALUE		NUMBER
SQL_ID		VARCHAR2(13)
PLAN_HASH_VALUE		NUMBER
CHILD_ADDRESS		RAW(4)
CHILD_NUMBER		NUMBER
OPERATION_ID		NUMBER
EXECUTIONS		NUMBER
LAST_STARTS		NUMBER
STARTS		NUMBER
LAST_OUTPUT_ROWS		NUMBER
OUTPUT_ROWS		NUMBER
LAST_CR_BUFFER_GETS		NUMBER
CR_BUFFER_GETS		NUMBER
LAST_CU_BUFFER_GETS		NUMBER
CU_BUFFER_GETS		NUMBER
LAST_DISK_READS		NUMBER
DISK_READS		NUMBER
LAST_DISK_WRITES		NUMBER

DISK_WRITES	NUMBER
LAST_ELAPSED_TIME	NUMBER
ELAPSED_TIME	NUMBER

**SQL> desc V\$SQL\_SHARED\_MEMORY**

Name	Null?	Type
SQL_TEXT		VARCHAR2(1000)
SQL_FULLTEXT		CLOB
HASH_VALUE		NUMBER
SQL_ID		VARCHAR2(13)
HEAP_DESC		RAW(4)
STRUCTURE		VARCHAR2(16)
FUNCTION		VARCHAR2(16)
CHUNK_COM		VARCHAR2(16)
CHUNK_PTR		RAW(4)
CHUNK_SIZE		NUMBER
ALLOC_CLASS		VARCHAR2(8)
CHUNK_TYPE		NUMBER
SUBHEAP_DESC		RAW(4)

**SQL> desc V\$SQL\_WORKAREA**

Name	Null?	Type
ADDRESS		RAW(4)
HASH_VALUE		NUMBER
SQL_ID		VARCHAR2(13)
CHILD_NUMBER		NUMBER
WORKAREA_ADDRESS		RAW(4)
OPERATION_TYPE		VARCHAR2(20)
OPERATION_ID		NUMBER
POLICY		VARCHAR2(10)
ESTIMATED_OPTIMAL_SIZE		NUMBER
ESTIMATED_ONEPASS_SIZE		NUMBER
LAST_MEMORY_USED		NUMBER
LAST_EXECUTION		VARCHAR2(10)
LAST_DEGREE		NUMBER
TOTAL_EXECUTIONS		NUMBER
OPTIMAL_EXECUTIONS		NUMBER
ONEPASS_EXECUTIONS		NUMBER
MULTIPASSES_EXECUTIONS		NUMBER
ACTIVE_TIME		NUMBER
MAX_TEMPSEG_SIZE		NUMBER
LAST_TEMPSEG_SIZE		NUMBER

**SQL> desc V\$SQL\_WORKAREA\_ACTIVE**

Name	Null?	Type
SQL_HASH_VALUE		NUMBER
SQL_ID		VARCHAR2(13)
WORKAREA_ADDRESS		RAW(4)
OPERATION_TYPE		VARCHAR2(20)
OPERATION_ID		NUMBER
POLICY		VARCHAR2(6)
SID		NUMBER
QCINST_ID		NUMBER
QCSID		NUMBER
ACTIVE_TIME		NUMBER
WORK_AREA_SIZE		NUMBER
EXPECTED_SIZE		NUMBER

ACTUAL_MEM_USED	NUMBER
MAX_MEM_USED	NUMBER
NUMBER_PASSES	NUMBER
TEMPSEG_SIZE	NUMBER
TABLESPACE	VARCHAR2(30)
SEGRFNO#	NUMBER
SEGBLK#	NUMBER

**SQL> desc V\$SQL\_WORKAREA\_HISTOGRAM**

Name	Null?	Type
LOW_OPTIMAL_SIZE		NUMBER
HIGH_OPTIMAL_SIZE		NUMBER
OPTIMAL_EXECUTIONS		NUMBER
ONEPASS_EXECUTIONS		NUMBER
MULTIPASSES_EXECUTIONS		NUMBER
TOTAL_EXECUTIONS		NUMBER

**SQL> desc V\$STANDBY\_LOG**

Name	Null?	Type
GROUP#		NUMBER
DBID		VARCHAR2(40)
THREAD#		NUMBER
SEQUENCE#		NUMBER
BYTES		NUMBER
USED		NUMBER
ARCHIVED		VARCHAR2(3)
STATUS		VARCHAR2(10)
FIRST_CHANGE#		NUMBER
FIRST_TIME		DATE
LAST_CHANGE#		NUMBER
LAST_TIME		DATE

**SQL> desc V\$STATISTICS\_LEVEL**

Name	Null?	Type
STATISTICS_NAME		VARCHAR2(64)
DESCRIPTION		VARCHAR2(4000)
SESSION_STATUS		VARCHAR2(8)
SYSTEM_STATUS		VARCHAR2(8)
ACTIVATION_LEVEL		VARCHAR2(7)
STATISTICS_VIEW_NAME		VARCHAR2(64)
SESSION_SETTABLE		VARCHAR2(3)

**SQL> desc V\$STATNAME**

Name	Null?	Type
STATISTIC#		NUMBER
NAME		VARCHAR2(64)
CLASS		NUMBER
STAT_ID		NUMBER

**SQL> desc V\$SYSSTAT**

Name	Null?	Type
STATISTIC#		NUMBER
NAME		VARCHAR2(64)
CLASS		NUMBER



VALUE	NUMBER
STAT_ID	NUMBER

# SQL> desc V\$SYSTEM\_EVENT

Name	Null?	Type
EVENT		VARCHAR2(64)
TOTAL_WAITS		NUMBER
TOTAL_TIMEOUTS		NUMBER
TIME_WAITED		NUMBER
AVERAGE_WAIT		NUMBER
TIME_WAITED_MICRO		NUMBER
EVENT_ID		NUMBER
WAIT_CLASS_ID		NUMBER
WAIT_CLASS#		NUMBER
WAIT_CLASS		VARCHAR2(64)

# SQL> desc V\$TABLESPACE

Name	Null?	Type
TS#		NUMBER
NAME		VARCHAR2(30)
INCLUDED_IN_DATABASE_BACKUP		VARCHAR2(3)
BIGFILE		VARCHAR2(3)
FLASHBACK_ON		VARCHAR2(3)
ENCRYPT_IN_BACKUP		VARCHAR2(3)

# SQL> desc V\$TEMPFILE

Name	Null?	Type
FILE#		NUMBER
CREATION_CHANGE#		NUMBER
CREATION_TIME		DATE
TS#		NUMBER
RFILE#		NUMBER
STATUS		VARCHAR2(7)
ENABLED		VARCHAR2(10)
BYTES		NUMBER
BLOCKS		NUMBER
CREATE_BYTES		NUMBER
BLOCK_SIZE		NUMBER
NAME		VARCHAR2(513)

# SQL> desc V\$TEMPSTAT

Name	Null?	Type
FILE#		NUMBER
PHYRDS		NUMBER
PHYWRTS		NUMBER
PHYBLKRD		NUMBER
PHYBLKWRT		NUMBER
SINGLEBLKRDS		NUMBER
READTIM		NUMBER
WRITETIM		NUMBER
SINGLEBLKRDTIM		NUMBER
AVGIOTIM		NUMBER
LSTIOTIM		NUMBER
MINIOTIM		NUMBER
MAXIORTM		NUMBER
MAXIOWTM		NUMBER

**SQL> desc V\$TEMP\_SPACE\_HEADER**

Name	Null?	Type
TABLESPACE_NAME		NOT NULL VARCHAR2(30)
FILE_ID		NUMBER
BYTES_USED		NUMBER
BLOCKS_USED		NUMBER
BYTES_FREE		NUMBER
BLOCKS_FREE		NUMBER
RELATIVE_FNO		NUMBER

**SQL> desc V\$THREAD**

Name	Null?	Type
THREAD#		NUMBER
STATUS		VARCHAR2(6)
ENABLED		VARCHAR2(8)
GROUPS		NUMBER
INSTANCE		VARCHAR2(80)
OPEN_TIME		DATE
CURRENT_GROUP#		NUMBER
SEQUENCE#		NUMBER
CHECKPOINT_CHANGE#		NUMBER
CHECKPOINT_TIME		DATE
ENABLE_CHANGE#		NUMBER
ENABLE_TIME		DATE
DISABLE_CHANGE#		NUMBER
DISABLE_TIME		DATE
LAST_REDO_SEQUENCE#		NUMBER
LAST_REDO_BLOCK		NUMBER
LAST_REDO_CHANGE#		NUMBER
LAST_REDO_TIME		DATE

**SQL> desc V\$TIMER**

Name	Null?	Type
HSECS		NUMBER

**SQL> desc V\$TIMEZONE\_NAMES**

Name	Null?	Type
TZNAME		VARCHAR2(64)
TZABBREV		VARCHAR2(64)

**SQL> DESC V\$TRANSACTION**

Name	Null?	Type
ADDR		RAW(4)
XIDUSN		NUMBER
XIDSLOT		NUMBER
XIDSQN		NUMBER
UBAFIL		NUMBER
UBABLK		NUMBER
UBASQN		NUMBER
UBAREC		NUMBER
STATUS		VARCHAR2(16)
START_TIME		VARCHAR2(20)
START_SCNB		NUMBER
START_SCNW		NUMBER
START_UEXT		NUMBER
START_UBAFIL		NUMBER

START_UBABLK	NUMBER
START_UBASQN	NUMBER
START_UBAREC	NUMBER
SES_ADDR	RAW(4)
FLAG	NUMBER
SPACE	VARCHAR2(3)
RECURSIVE	VARCHAR2(3)
NOUNDO	VARCHAR2(3)
PTX	VARCHAR2(3)
NAME	VARCHAR2(256)
PRV_XIDUSN	NUMBER
PRV_XIDSLT	NUMBER
PRV_XIDSQN	NUMBER
PTX_XIDUSN	NUMBER
PTX_XIDSLT	NUMBER
PTX_XIDSQN	NUMBER
DSCN-B	NUMBER
DSCN-W	NUMBER
USED_UBLK	NUMBER
USED_UREC	NUMBER
LOG_IO	NUMBER
PHY_IO	NUMBER
CR_GET	NUMBER
CR_CHANGE	NUMBER
START_DATE	DATE
DSCN_BASE	NUMBER
DSCN_WRAP	NUMBER
START_SCN	NUMBER
DEPENDENT_SCN	NUMBER
XID	RAW(8)
PRV_XID	RAW(8)
PTX_XID	RAW(8)

# SQL> desc V\$UNDOSTAT

Name	Null?	Type
BEGIN_TIME		DATE
END_TIME		DATE
UNDOTSN		NUMBER
UNDOBLKS		NUMBER
TXNCOUNT		NUMBER
MAXQUERYLEN		NUMBER
MAXQUERYID		VARCHAR2(13)
MAXCONCURRENCY		NUMBER
UNXPSTEALCNT		NUMBER
UNXPBLKRELCNT		NUMBER
UNXPBLKREUCNT		NUMBER
EXPSTEALCNT		NUMBER
EXPBLKRELCNT		NUMBER
EXPBLKREUCNT		NUMBER
SSOLDERRCNT		NUMBER
NOSPACEERRCNT		NUMBER
ACTIVEBLKS		NUMBER
UNEXPIREDBLKS		NUMBER
EXPIREDBLKS		NUMBER
TUNED_UNDORETENTION		NUMBER

# SQL> desc V\$VERSION

Name	Null?	Type
BANNER		VARCHAR2(64)

**SQL> DESC V\$VPD\_POLICY**

Name	Null?	Type
ADDRESS		RAW(4)
PARADDR		RAW(4)
SQL_HASH		NUMBER
SQL_ID		VARCHAR2(13)
CHILD_NUMBER		NUMBER
OBJECT_OWNER		VARCHAR2(30)
OBJECT_NAME		VARCHAR2(30)
POLICY_GROUP		VARCHAR2(30)
POLICY		VARCHAR2(30)
POLICY_FUNCTION_OWNER		VARCHAR2(30)
PREDICATE		VARCHAR2(4000)

**SQL> desc V\$WAITSTAT**

Name	Null?	Type
CLASS		VARCHAR2(18)
COUNT		NUMBER
TIME		NUMBER

**SQL> spool off**