Oracle® Database Database Reference





Oracle Database Database Reference, 23ai

F46697-15

Copyright © 2002, 2025, Oracle and/or its affiliates.

Primary Author: Mary Beth Roeser

Contributing Authors: Sarika Surampudi

Contributors: Nipun Agarwal, Nigel Bayliss, Neerja Bhatt, Wilson Chan, Sumanta Chatterjee, Eugene Chong, Thuvan Hoang, Mark Johnson, Jonathan Klein, Sushil Kumar, Tirthankar Lahiri, Bill Lee, Yunrui Li, Juan Loaiza, Rich Long, Catherine Luu, Neil MacNaughton, Gopal Mulagund, Kant Patel, Mark Ramacher, Suvendu Ray, Debbie Steiner, Malai Stalin, Seema Sundara, Murali Thiyagarajah, Alex Tsukerman, Kothanda Umamageswaran, Steve Vivian, Eric Voss, Tak Wang, Steve Wertheimer, Andy Witkowski, Daniel Wong, Qin Yu, Mohamed Ziauddin

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

| | Preface | | |
|----|---|-----|--|
| | Audience | XC | |
| | Documentation Accessibility | XC | |
| | Diversity and Inclusion | XC | |
| | Related Documents | xci | |
| | Conventions | xci | |
| 1 | Changes in This Release for Oracle Database Reference | | |
| | 1.1 Changes in Oracle Database 23ai, Release Update 23.8 | 1-1 | |
| | 1.2 Changes in Oracle Database 23ai, Release Update 23.7 | 1-3 | |
| | 1.3 Changes in Oracle Database 23ai, Release Update 23.6 | 1-2 | |
| | 1.4 Changes in Oracle Database 23ai | 1-2 | |
| | 1.4.1 New Features | 1-2 | |
| | 1.4.2 Deprecated Features | 1-8 | |
| | 1.4.3 Desupported Features | 1-9 | |
| Pa | urt Initialization Parameters | | |
| 2 | Initialization Parameters | | |
| | 2.1 Uses of Initialization Parameters | 2-2 | |
| | 2.1.1 Types of Initialization Parameters | 2-2 | |
| | 2.1.1.1 Derived Parameters | 2-2 | |
| | 2.1.1.2 Operating System-Dependent Parameters | 2-2 | |
| | 2.1.1.3 Variable Parameters | 2-2 | |
| | 2.2 Basic Initialization Parameters | 2-3 | |
| | 2.3 Parameter Files | 2-3 | |
| | 2.3.1 Server Parameter Files | 2-3 | |
| | 2.3.2 Initialization Parameter Files | 2-4 | |
| | 2.3.2.1 About the Character Set of Parameter Values | 2-4 | |
| | 2.3.2.2 Specifying Values in an Initialization Parameter File | 2-5 | |



2.4 Changing Parameter Values in a Parameter File

2-9

| | 2.4.1 | Parameters by Functional Category | 2-9 |
|------|--------|---|------|
| | 2.4.2 | Modifiable Parameters | 2-18 |
| | 2.4.3 | Displaying Current Parameter Values | 2-27 |
| | 2.4.4 | Parameters You Should Not Specify in the Parameter File | 2-28 |
| | 2.4.5 | When Parameters Are Set Incorrectly | 2-28 |
| 2.5 | Rea | ding the Parameter Descriptions | 2-28 |
| 2.6 | Initia | lization Parameter Descriptions | 2-29 |
| 2.7 | ACT | IVE_INSTANCE_COUNT | 2-30 |
| 2.8 | ADG | S_ACCOUNT_INFO_TRACKING | 2-31 |
| 2.9 | ADG | S_REDIRECT_DML | 2-31 |
| 2.10 |) ALI | LOW_GLOBAL_DBLINKS | 2-32 |
| 2.11 | ALI | LOW_GROUP_ACCESS_TO_SGA | 2-32 |
| 2.12 | 2 ALI | LOW_LEGACY_RECO_PROTOCOL | 2-33 |
| 2.13 | B ALI | LOW_ROWID_COLUMN_TYPE | 2-34 |
| 2.14 | 1 AP | PROX_FOR_AGGREGATION | 2-35 |
| 2.15 | 5 AP | PROX_FOR_COUNT_DISTINCT | 2-35 |
| 2.16 | S AP | PROX_FOR_PERCENTILE | 2-36 |
| 2.17 | 7 AQ | _TM_PROCESSES | 2-37 |
| 2.18 | 3 AR | CHIVE_LAG_TARGET | 2-38 |
| 2.19 |) AS | M_DISKGROUPS | 2-38 |
| 2.20 |) AS | M_DISKSTRING | 2-39 |
| 2.21 | L AS | M_IO_PROCESSES | 2-40 |
| 2.22 | 2 AS | M_POWER_LIMIT | 2-41 |
| 2.23 | 3 AS | M_PREFERRED_READ_FAILURE_GROUPS | 2-42 |
| 2.24 | 1 AU | DIT_FILE_DEST | 2-43 |
| 2.25 | 5 AU | DIT_SYS_OPERATIONS | 2-44 |
| 2.26 | S AU | DIT_SYSLOG_LEVEL | 2-45 |
| 2.27 | 7 AU | DIT_TRAIL | 2-47 |
| 2.28 | 3 AU | TOTASK_MAX_ACTIVE_PDBS | 2-49 |
| 2.29 |) AW | R_PDB_AUTOFLUSH_ENABLED | 2-50 |
| 2.30 |) AW | R_PDB_MAX_PARALLEL_SLAVES | 2-51 |
| 2.31 | L AW | R_SNAPSHOT_TIME_OFFSET | 2-51 |
| 2.32 | 2 BA | CKGROUND_CORE_DUMP | 2-52 |
| 2.33 | В ВА | CKGROUND_DUMP_DEST | 2-53 |
| 2.34 | ‡ BA | CKUP_TAPE_IO_SLAVES | 2-54 |
| 2.35 | 5 BIT | MAP_MERGE_AREA_SIZE | 2-54 |
| 2.36 | BL/ | ANK_TRIMMING | 2-55 |
| 2.37 | 7 BL | OCKCHAIN_TABLE_MAX_NO_DROP | 2-56 |
| 2.38 | BL(| OCKCHAIN_TABLE_RETENTION_THRESHOLD | 2-57 |
| 2.39 |) CIF | RCUITS | 2-57 |
| 2.40 |) CL | IENT_PREFETCH_ROWS | 2-58 |
| 2.41 | L CL | ENT_RESULT_CACHE_LAG | 2-59 |
| | | | |



| 2.42 | CLIENT_RESULT_CACHE_SIZE | 2-60 |
|------|-----------------------------------|------|
| 2.43 | CLIENT_STATISTICS_LEVEL | 2-61 |
| 2.44 | CLONEDB | 2-62 |
| 2.45 | CLONEDB_DIR | 2-63 |
| 2.46 | CLUSTER_DATABASE | 2-63 |
| 2.47 | CLUSTER_INTERCONNECTS | 2-64 |
| 2.48 | COMMIT_LOGGING | 2-65 |
| 2.49 | COMMIT_POINT_STRENGTH | 2-65 |
| 2.50 | COMMIT_WAIT | 2-66 |
| 2.51 | COMMIT_WRITE | 2-66 |
| 2.52 | COMMON_USER_PREFIX | 2-67 |
| 2.53 | COMPATIBLE | 2-69 |
| 2.54 | CONNECTION_BROKERS | 2-70 |
| 2.55 | CONTAINER_DATA | 2-72 |
| 2.56 | CONTAINERS_PARALLEL_DEGREE | 2-73 |
| 2.57 | CONTROL_FILE_RECORD_KEEP_TIME | 2-73 |
| 2.58 | CONTROL_FILES | 2-74 |
| 2.59 | CONTROL_MANAGEMENT_PACK_ACCESS | 2-75 |
| 2.60 | CORE_DUMP_DEST | 2-76 |
| 2.61 | CPU_COUNT | 2-76 |
| 2.62 | CPU_MIN_COUNT | 2-77 |
| 2.63 | CREATE_BITMAP_AREA_SIZE | 2-78 |
| 2.64 | CREATE_STORED_OUTLINES | 2-79 |
| 2.65 | CURSOR_BIND_CAPTURE_DESTINATION | 2-80 |
| 2.66 | CURSOR_INVALIDATION | 2-81 |
| 2.67 | CURSOR_SHARING | 2-81 |
| 2.68 | CURSOR_SPACE_FOR_TIME | 2-82 |
| 2.69 | DATA_GUARD_MAX_IO_TIME | 2-83 |
| 2.70 | DATA_GUARD_MAX_LONGIO_TIME | 2-84 |
| 2.71 | DATA_GUARD_SYNC_LATENCY | 2-84 |
| 2.72 | DATA_TRANSFER_CACHE_SIZE | 2-85 |
| 2.73 | DB_nK_CACHE_SIZE | 2-85 |
| 2.74 | DB_BIG_TABLE_CACHE_PERCENT_TARGET | 2-86 |
| 2.75 | DB_BLOCK_BUFFERS | 2-88 |
| 2.76 | DB_BLOCK_CHECKING | 2-89 |
| 2.77 | DB_BLOCK_CHECKSUM | 2-90 |
| 2.78 | DB_BLOCK_SIZE | 2-91 |
| 2.79 | DB_CACHE_ADVICE | 2-92 |
| 2.80 | DB_CACHE_SIZE | 2-93 |
| 2.81 | DB_CREATE_FILE_DEST | 2-93 |
| 2.82 | DB_CREATE_ONLINE_LOG_DEST_n | 2-94 |
| 2.83 | DB_DOMAIN | 2-95 |
| | | |



| 2.84 | DB_FILE_MULTIBLOCK_READ_COUNT | 2-96 |
|-------|----------------------------------|-------|
| 2.85 | DB_FILE_NAME_CONVERT | 2-97 |
| 2.86 | DB_FILES | 2-98 |
| 2.87 | DB_FLASH_CACHE_FILE | 2-98 |
| 2.88 | DB_FLASH_CACHE_SIZE | 2-99 |
| 2.89 | DB_FLASHBACK_LOG_DEST | 2-100 |
| 2.90 | DB_FLASHBACK_LOG_DEST_SIZE | 2-101 |
| 2.91 | DB_FLASHBACK_RETENTION_TARGET | 2-102 |
| 2.92 | DB_INDEX_COMPRESSION_INHERITANCE | 2-102 |
| 2.93 | DB_KEEP_CACHE_SIZE | 2-104 |
| 2.94 | DB_LOST_WRITE_PROTECT | 2-104 |
| 2.95 | DB_NAME | 2-105 |
| 2.96 | DB_PERFORMANCE_PROFILE | 2-106 |
| 2.97 | DB_RECOVERY_AUTO_REKEY | 2-107 |
| 2.98 | DB_RECOVERY_FILE_DEST | 2-108 |
| 2.99 | DB_RECOVERY_FILE_DEST_SIZE | 2-108 |
| 2.100 | DB_RECYCLE_CACHE_SIZE | 2-109 |
| 2.101 | DB_SECUREFILE | 2-109 |
| 2.102 | DB_ULTRA_SAFE | 2-111 |
| 2.103 | DB_UNIQUE_NAME | 2-112 |
| 2.104 | DB_UNRECOVERABLE_SCN_TRACKING | 2-113 |
| 2.105 | DB_WRITER_PROCESSES | 2-113 |
| 2.106 | DBFIPS_140 | 2-114 |
| 2.107 | DBNEST_ENABLE | 2-115 |
| 2.108 | DBNEST_PDB_FS_CONF | 2-115 |
| 2.109 | DBWR_IO_SLAVES | 2-116 |
| 2.110 | DDL_LOCK_TIMEOUT | 2-117 |
| 2.111 | DEFAULT_SHARING | 2-117 |
| 2.112 | DEFERRED_SEGMENT_CREATION | 2-118 |
| 2.113 | DG_BROKER_CONFIG_FILEn | 2-118 |
| 2.114 | DG_BROKER_START | 2-119 |
| 2.115 | DIAGNOSTIC_DEST | 2-120 |
| 2.116 | DIAGNOSTICS_CONTROL | 2-121 |
| 2.117 | DISK_ASYNCH_IO | 2-122 |
| 2.118 | DISPATCHERS | 2-122 |
| 2.119 | DISTRIBUTED_LOCK_TIMEOUT | 2-125 |
| 2.120 | DML_LOCKS | 2-125 |
| 2.121 | DNFS_BATCH_SIZE | 2-126 |
| 2.122 | DRCP_CONNECTION_LIMIT | 2-127 |
| 2.123 | DRCP_DEDICATED_OPT | 2-127 |
| 2.124 | DST_UPGRADE_INSERT_CONV | 2-128 |
| 2.125 | ENABLE_AUTOMATIC_MAINTENANCE_PDB | 2-129 |



| 2.126 | ENABLE_DDL_LOGGING | 2-130 |
|-------|---------------------------------------|-------|
| 2.127 | ENABLE_DNFS_DISPATCHER | 2-131 |
| 2.128 | ENABLE_GOLDENGATE_REPLICATION | 2-132 |
| 2.129 | ENABLE_IMC_WITH_MIRA | 2-133 |
| 2.130 | ENABLE_PER_PDB_DRCP | 2-133 |
| 2.131 | ENABLE_PLUGGABLE_DATABASE | 2-134 |
| 2.132 | ENABLED_PDBS_ON_STANDBY | 2-135 |
| 2.133 | ENCRYPT_NEW_TABLESPACES | 2-136 |
| 2.134 | ERROR_MESSAGE_DETAILS | 2-138 |
| 2.135 | EVENT | 2-138 |
| 2.136 | EXTERNAL_KEYSTORE_CREDENTIAL_LOCATION | 2-139 |
| 2.137 | FAL_CLIENT | 2-140 |
| 2.138 | FAL_SERVER | 2-140 |
| 2.139 | FAST_START_MTTR_TARGET | 2-141 |
| 2.140 | FAST_START_PARALLEL_ROLLBACK | 2-141 |
| 2.141 | FILE_MAPPING | 2-142 |
| 2.142 | FILEIO_NETWORK_ADAPTERS | 2-143 |
| 2.143 | FILESYSTEMIO_OPTIONS | 2-143 |
| 2.144 | FIXED_DATE | 2-144 |
| 2.145 | FORWARD_LISTENER | 2-144 |
| 2.146 | GCS_SERVER_PROCESSES | 2-145 |
| 2.147 | GLOBAL_NAMES | 2-146 |
| 2.148 | GLOBAL_TXN_PROCESSES | 2-147 |
| 2.149 | GROUP_BY_POSITION_ENABLED | 2-147 |
| 2.150 | HASH_AREA_SIZE | 2-148 |
| 2.151 | HEARTBEAT_BATCH_SIZE | 2-149 |
| 2.152 | HEAT_MAP | 2-149 |
| 2.153 | HI_SHARED_MEMORY_ADDRESS | 2-150 |
| 2.154 | HS_AUTOREGISTER | 2-150 |
| 2.155 | HYBRID_READ_ONLY | 2-151 |
| 2.156 | IDENTITY_PROVIDER_CONFIG | 2-152 |
| 2.157 | IDENTITY_PROVIDER_TYPE | 2-154 |
| 2.158 | IFILE | 2-155 |
| 2.159 | IGNORE_SESSION_SET_PARAM_ERRORS | 2-156 |
| 2.160 | INMEMORY_ADG_ENABLED | 2-157 |
| 2.161 | INMEMORY_AUTOMATIC_LEVEL | 2-158 |
| 2.162 | INMEMORY_CLAUSE_DEFAULT | 2-159 |
| 2.163 | INMEMORY_DEEP_VECTORIZATION | 2-163 |
| 2.164 | INMEMORY_EXPRESSIONS_USAGE | 2-164 |
| 2.165 | INMEMORY_FORCE | 2-165 |
| 2.166 | INMEMORY_MAX_POPULATE_SERVERS | 2-166 |
| 2.167 | INMEMORY_OPTIMIZED_ARITHMETIC | 2-167 |
| | | |



| 2.168 | INMEMORY_OPTIMIZED_DATE | 2-168 |
|-------|---|-------|
| 2.169 | INMEMORY_QUERY | 2-169 |
| 2.170 | INMEMORY_SIZE | 2-170 |
| 2.171 | INMEMORY_TRICKLE_REPOPULATE_SERVERS_PERCENT | 2-171 |
| 2.172 | INMEMORY_VIRTUAL_COLUMNS | 2-172 |
| 2.173 | INSTANCE_ABORT_DELAY_TIME | 2-173 |
| 2.174 | INSTANCE_GROUPS | 2-174 |
| 2.175 | INSTANCE_MODE | 2-174 |
| 2.176 | INSTANCE_NAME | 2-175 |
| 2.177 | INSTANCE_NUMBER | 2-176 |
| 2.178 | INSTANCE_TYPE | 2-176 |
| 2.179 | IORM_LIMIT_POLICY | 2-177 |
| 2.180 | JAVA_JIT_ENABLED | 2-178 |
| 2.181 | JAVA_MAX_SESSIONSPACE_SIZE | 2-179 |
| 2.182 | JAVA_POOL_SIZE | 2-179 |
| 2.183 | JAVA_SOFT_SESSIONSPACE_LIMIT | 2-180 |
| 2.184 | JOB_QUEUE_PROCESSES | 2-180 |
| 2.185 | JSON_BEHAVIOR | 2-182 |
| 2.186 | JSON_EXPRESSION_CHECK | 2-184 |
| 2.187 | LARGE_POOL_SIZE | 2-185 |
| 2.188 | LDAP_DIRECTORY_ACCESS | 2-186 |
| 2.189 | LDAP_DIRECTORY_SYSAUTH | 2-188 |
| 2.190 | LICENSE_MAX_SESSIONS | 2-189 |
| 2.191 | LICENSE_MAX_USERS | 2-189 |
| 2.192 | LICENSE_SESSIONS_WARNING | 2-190 |
| 2.193 | LISTENER_NETWORKS | 2-191 |
| 2.194 | LOB_SIGNATURE_ENABLE | 2-192 |
| 2.195 | LOCAL_LISTENER | 2-192 |
| 2.196 | LOCK_NAME_SPACE | 2-193 |
| 2.197 | LOCK_SGA | 2-194 |
| 2.198 | LOG_ARCHIVE_CONFIG | 2-194 |
| 2.199 | LOG_ARCHIVE_DEST | 2-195 |
| 2.200 | LOG_ARCHIVE_DEST_n | 2-196 |
| 2.201 | LOG_ARCHIVE_DEST_STATE_n | 2-201 |
| 2.202 | LOG_ARCHIVE_DUPLEX_DEST | 2-202 |
| 2.203 | LOG_ARCHIVE_FORMAT | 2-203 |
| 2.204 | LOG_ARCHIVE_MAX_PROCESSES | 2-204 |
| 2.205 | LOG_ARCHIVE_MIN_SUCCEED_DEST | 2-205 |
| 2.206 | LOG_ARCHIVE_TRACE | 2-206 |
| 2.207 | LOG_BUFFER | 2-208 |
| 2.208 | LOG_CHECKPOINT_INTERVAL | 2-209 |
| 2.209 | LOG_CHECKPOINT_TIMEOUT | 2-210 |



| 2.210 | LOG_CHECKPOINTS_TO_ALERT | 2-211 |
|-------|-----------------------------------|-------|
| 2.211 | LOG_FILE_NAME_CONVERT | 2-211 |
| 2.212 | LONG_MODULE_ACTION | 2-213 |
| 2.213 | MANDATORY_USER_PROFILE | 2-213 |
| 2.214 | MAX_AUTH_SERVERS | 2-214 |
| 2.215 | MAX_COLUMNS | 2-215 |
| 2.216 | MAX_DATAPUMP_JOBS_PER_PDB | 2-216 |
| 2.217 | MAX_DATAPUMP_PARALLEL_PER_JOB | 2-216 |
| 2.218 | MAX_DISPATCHERS | 2-217 |
| 2.219 | MAX_DUMP_FILE_SIZE | 2-217 |
| 2.220 | MAX_IDLE_BLOCKER_TIME | 2-219 |
| 2.221 | MAX_IDLE_TIME | 2-219 |
| 2.222 | MAX_IOPS | 2-220 |
| 2.223 | MAX_MBPS | 2-221 |
| 2.224 | MAX_PDBS | 2-222 |
| 2.225 | MAX_SAGA_DURATION | 2-223 |
| 2.226 | MAX_SHARED_SERVERS | 2-223 |
| 2.227 | MAX_STRING_SIZE | 2-224 |
| 2.228 | MEMOPTIMIZE_POOL_SIZE | 2-229 |
| 2.229 | MEMOPTIMIZE_WRITE_AREA_SIZE | 2-230 |
| 2.230 | MEMOPTIMIZE_WRITES | 2-230 |
| 2.231 | MEMORY_MAX_SIZE | 2-231 |
| 2.232 | MEMORY_MAX_TARGET | 2-231 |
| 2.233 | MEMORY_SIZE | 2-232 |
| 2.234 | MEMORY_TARGET | 2-233 |
| 2.235 | MIN_AUTH_SERVERS | 2-234 |
| 2.236 | MLE_PROG_LANGUAGES | 2-235 |
| 2.237 | MULTISHARD_QUERY_DATA_CONSISTENCY | 2-236 |
| 2.238 | NLS_CALENDAR | 2-237 |
| 2.239 | NLS_COMP | 2-238 |
| 2.240 | NLS_CURRENCY | 2-239 |
| 2.241 | NLS_DATE_FORMAT | 2-240 |
| 2.242 | NLS_DATE_LANGUAGE | 2-241 |
| 2.243 | NLS_DUAL_CURRENCY | 2-241 |
| 2.244 | NLS_ISO_CURRENCY | 2-242 |
| 2.245 | NLS_LANGUAGE | 2-243 |
| 2.246 | NLS_LENGTH_SEMANTICS | 2-244 |
| 2.247 | NLS_NCHAR_CONV_EXCP | 2-245 |
| 2.248 | NLS_NUMERIC_CHARACTERS | 2-245 |
| 2.249 | NLS_SORT | 2-246 |
| 2.250 | NLS_TERRITORY | 2-248 |
| 2.251 | NLS_TIMESTAMP_FORMAT | 2-248 |
| | | |



| 2.252 | NLS_TIMESTAMP_TZ_FORMAT | 2-249 |
|-------|--------------------------------------|-------|
| 2.253 | NONCDB_COMPATIBLE | 2-250 |
| 2.254 | OBJECT_CACHE_MAX_SIZE_PERCENT | 2-251 |
| 2.255 | OBJECT_CACHE_OPTIMAL_SIZE | 2-252 |
| 2.256 | OFS_THREADS | 2-253 |
| 2.257 | OLAP_PAGE_POOL_SIZE | 2-253 |
| 2.258 | ONE_STEP_PLUGIN_FOR_PDB_WITH_TDE | 2-254 |
| 2.259 | OPEN_CURSORS | 2-255 |
| 2.260 | OPEN_LINKS | 2-255 |
| 2.261 | OPEN_LINKS_PER_INSTANCE | 2-256 |
| 2.262 | OPTIMIZER_ADAPTIVE_PLANS | 2-257 |
| 2.263 | OPTIMIZER_ADAPTIVE_REPORTING_ONLY | 2-258 |
| 2.264 | OPTIMIZER_ADAPTIVE_STATISTICS | 2-258 |
| 2.265 | OPTIMIZER_CAPTURE_SQL_PLAN_BASELINES | 2-259 |
| 2.266 | OPTIMIZER_CAPTURE_SQL_QUARANTINE | 2-260 |
| 2.267 | OPTIMIZER_CROSS_SHARD_RESILIENCY | 2-260 |
| 2.268 | OPTIMIZER_DYNAMIC_SAMPLING | 2-261 |
| 2.269 | OPTIMIZER_FEATURES_ENABLE | 2-261 |
| 2.270 | OPTIMIZER_IGNORE_HINTS | 2-263 |
| 2.271 | OPTIMIZER_IGNORE_PARALLEL_HINTS | 2-264 |
| 2.272 | OPTIMIZER_INDEX_CACHING | 2-264 |
| 2.273 | OPTIMIZER_INDEX_COST_ADJ | 2-265 |
| 2.274 | OPTIMIZER_INMEMORY_AWARE | 2-265 |
| 2.275 | OPTIMIZER_MODE | 2-266 |
| 2.276 | OPTIMIZER_REAL_TIME_STATISTICS | 2-267 |
| 2.277 | OPTIMIZER_SESSION_TYPE | 2-267 |
| 2.278 | OPTIMIZER_USE_INVISIBLE_INDEXES | 2-268 |
| 2.279 | OPTIMIZER_USE_PENDING_STATISTICS | 2-268 |
| 2.280 | OPTIMIZER_USE_SQL_PLAN_BASELINES | 2-269 |
| 2.281 | OPTIMIZER_USE_SQL_QUARANTINE | 2-270 |
| 2.282 | OS_AUTHENT_PREFIX | 2-270 |
| 2.283 | OS_ROLES | 2-271 |
| 2.284 | OUTBOUND_DBLINK_PROTOCOLS | 2-272 |
| 2.285 | PARALLEL_ADAPTIVE_MULTI_USER | 2-272 |
| 2.286 | PARALLEL_DEGREE_LIMIT | 2-273 |
| 2.287 | PARALLEL_DEGREE_POLICY | 2-274 |
| 2.288 | PARALLEL_EXECUTION_MESSAGE_SIZE | 2-275 |
| 2.289 | PARALLEL_FORCE_LOCAL | 2-276 |
| 2.290 | PARALLEL_INSTANCE_GROUP | 2-277 |
| 2.291 | PARALLEL_MAX_SERVERS | 2-277 |
| 2.292 | PARALLEL_MIN_DEGREE | 2-279 |
| 2.293 | PARALLEL_MIN_PERCENT | 2-280 |
| | | |



| 2.294 | PARALLEL_MIN_SERVERS | 2-281 |
|-------|----------------------------------|-------|
| 2.295 | PARALLEL_MIN_TIME_THRESHOLD | 2-282 |
| 2.296 | PARALLEL_SERVERS_TARGET | 2-282 |
| 2.297 | PARALLEL_THREADS_PER_CPU | 2-284 |
| 2.298 | PDB_FILE_NAME_CONVERT | 2-285 |
| 2.299 | PDB_LOCKDOWN | 2-286 |
| 2.300 | PDB_OS_CREDENTIAL | 2-288 |
| 2.301 | PERMIT_92_WRAP_FORMAT | 2-289 |
| 2.302 | PGA_AGGREGATE_LIMIT | 2-289 |
| 2.303 | PGA_AGGREGATE_TARGET | 2-291 |
| 2.304 | PKCS11_LIBRARY_LOCATION | 2-293 |
| 2.305 | PLSCOPE_SETTINGS | 2-293 |
| 2.306 | PLSQL_CCFLAGS | 2-295 |
| 2.307 | PLSQL_CODE_TYPE | 2-296 |
| 2.308 | PLSQL_DEBUG | 2-297 |
| 2.309 | PLSQL_FUNCTION_DYNAMIC_STATS | 2-297 |
| 2.310 | PLSQL_IMPLICIT_CONVERSION_BOOL | 2-299 |
| 2.311 | PLSQL_OPTIMIZE_LEVEL | 2-300 |
| 2.312 | PLSQL_V2_COMPATIBILITY | 2-301 |
| 2.313 | PLSQL_WARNINGS | 2-301 |
| 2.314 | PMEM_FILESTORE | 2-303 |
| 2.315 | PRE_PAGE_SGA | 2-303 |
| 2.316 | PRIORITY_TXNS_HIGH_WAIT_TARGET | 2-304 |
| 2.317 | PRIORITY_TXNS_MEDIUM_WAIT_TARGET | 2-305 |
| 2.318 | PRIORITY_TXNS_MODE | 2-306 |
| 2.319 | PRIVATE_TEMP_TABLE_PREFIX | 2-307 |
| 2.320 | PROCESSES | 2-308 |
| 2.321 | PROCESSOR_GROUP_NAME | 2-309 |
| 2.322 | QUERY_REWRITE_ENABLED | 2-310 |
| 2.323 | QUERY_REWRITE_INTEGRITY | 2-311 |
| 2.324 | RDBMS_SERVER_DN | 2-312 |
| 2.325 | READ_ONLY | 2-313 |
| 2.326 | READ_ONLY_OPEN_DELAYED | 2-313 |
| 2.327 | RECOVERY_PARALLELISM | 2-314 |
| 2.328 | RECYCLEBIN | 2-315 |
| 2.329 | REDO_TRANSPORT_USER | 2-315 |
| 2.330 | REMOTE_DEPENDENCIES_MODE | 2-316 |
| 2.331 | REMOTE_LISTENER | 2-316 |
| 2.332 | REMOTE_LOGIN_PASSWORDFILE | 2-317 |
| 2.333 | REMOTE_OS_ROLES | 2-318 |
| 2.334 | REMOTE_RECOVERY_FILE_DEST | 2-319 |
| 2.335 | REPLICATION_DEPENDENCY_TRACKING | 2-319 |
| | | |



| 2.336 | RESOURCE_LIMIT | 2-320 |
|-------|-------------------------------------|-------|
| 2.337 | RESOURCE_MANAGE_GOLDENGATE | 2-321 |
| 2.338 | RESOURCE_MANAGER_CPU_ALLOCATION | 2-321 |
| 2.339 | RESOURCE_MANAGER_CPU_SCOPE | 2-322 |
| 2.340 | RESOURCE_MANAGER_PLAN | 2-323 |
| 2.341 | RESULT_CACHE_AUTO_BLOCKLIST | 2-325 |
| 2.342 | RESULT_CACHE_EXECUTION_THRESHOLD | 2-326 |
| 2.343 | RESULT_CACHE_INTEGRITY | 2-326 |
| 2.344 | RESULT_CACHE_MAX_RESULT | 2-327 |
| 2.345 | RESULT_CACHE_MAX_SIZE | 2-327 |
| 2.346 | RESULT_CACHE_MAX_TEMP_RESULT | 2-328 |
| 2.347 | RESULT_CACHE_MAX_TEMP_SIZE | 2-328 |
| 2.348 | RESULT_CACHE_MODE | 2-329 |
| 2.349 | RESULT_CACHE_REMOTE_EXPIRATION | 2-330 |
| 2.350 | RESUMABLE_TIMEOUT | 2-330 |
| 2.351 | ROLLBACK_SEGMENTS | 2-331 |
| 2.352 | SAGA_HIST_RETENTION | 2-332 |
| 2.353 | SEC_MAX_FAILED_LOGIN_ATTEMPTS | 2-332 |
| 2.354 | SEC_PROTOCOL_ERROR_FURTHER_ACTION | 2-333 |
| 2.355 | SEC_PROTOCOL_ERROR_TRACE_ACTION | 2-334 |
| 2.356 | SEC_RETURN_SERVER_RELEASE_BANNER | 2-334 |
| 2.357 | SERIAL_REUSE | 2-335 |
| 2.358 | SERVICE_NAMES | 2-336 |
| 2.359 | SESSION_CACHED_CURSORS | 2-337 |
| 2.360 | SESSION_EXIT_ON_PACKAGE_STATE_ERROR | 2-338 |
| 2.361 | SESSION_MAX_OPEN_FILES | 2-339 |
| 2.362 | SESSIONS | 2-339 |
| 2.363 | SGA_MAX_SIZE | 2-340 |
| 2.364 | SGA_MIN_SIZE | 2-341 |
| 2.365 | SGA_TARGET | 2-342 |
| 2.366 | SHADOW_CORE_DUMP | 2-345 |
| 2.367 | SHARD_ENABLE_RAFT_FOLLOWER_READ | 2-346 |
| 2.368 | SHARD_RAFT_LOGFILE_SIZE | 2-346 |
| 2.369 | SHARED_MEMORY_ADDRESS | 2-347 |
| 2.370 | SHARED_POOL_RESERVED_SIZE | 2-347 |
| 2.371 | SHARED_POOL_SIZE | 2-348 |
| 2.372 | SHARED_SERVER_SESSIONS | 2-349 |
| 2.373 | SHARED_SERVERS | 2-350 |
| 2.374 | SHRD_DUPL_TABLE_REFRESH_RATE | 2-351 |
| 2.375 | SKIP_UNUSABLE_INDEXES | 2-351 |
| 2.376 | SMTP_OUT_SERVER | 2-352 |
| 2.377 | SORT_AREA_RETAINED_SIZE | 2-353 |



| 2.378 | SORT_AREA_SIZE | 2-354 |
|-------|---|-------|
| 2.379 | SPATIAL_VECTOR_ACCELERATION | 2-355 |
| 2.380 | SPFILE | 2-355 |
| 2.381 | SQL_ERROR_MITIGATION | 2-356 |
| 2.382 | SQL_HISTORY_ENABLED | 2-357 |
| 2.383 | SQL_TRACE | 2-357 |
| 2.384 | SQL_TRANSPILER | 2-358 |
| 2.385 | SQL92_SECURITY | 2-359 |
| 2.386 | SQLTUNE_CATEGORY | 2-360 |
| 2.387 | STANDBY_DB_PRESERVE_STATES | 2-360 |
| 2.388 | STANDBY_FILE_MANAGEMENT | 2-361 |
| 2.389 | STANDBY_PDB_SOURCE_FILE_DBLINK | 2-362 |
| 2.390 | STANDBY_PDB_SOURCE_FILE_DIRECTORY | 2-363 |
| 2.391 | STAR_TRANSFORMATION_ENABLED | 2-363 |
| 2.392 | STATISTICS_LEVEL | 2-364 |
| 2.393 | STREAMS_POOL_SIZE | 2-366 |
| 2.394 | SYSDATE_AT_DBTIMEZONE | 2-367 |
| 2.395 | TABLESPACE_ENCRYPTION | 2-367 |
| 2.396 | TABLESPACE_ENCRYPTION_DEFAULT_ALGORITHM | 2-369 |
| 2.397 | TAPE_ASYNCH_IO | 2-370 |
| 2.398 | TDE_CONFIGURATION | 2-371 |
| 2.399 | TDE_KEY_CACHE | 2-373 |
| 2.400 | TEMP_UNDO_ENABLED | 2-374 |
| 2.401 | THREAD | 2-375 |
| 2.402 | THREADED_EXECUTION | 2-375 |
| 2.403 | TIME_AT_DBTIMEZONE | 2-377 |
| 2.404 | TIMED_OS_STATISTICS | 2-378 |
| 2.405 | TIMED_STATISTICS | 2-379 |
| 2.406 | TIMEZONE_VERSION_UPGRADE_ONLINE | 2-380 |
| 2.407 | TRACE_ENABLED | 2-380 |
| 2.408 | TRACEFILE_IDENTIFIER | 2-381 |
| 2.409 | TRANSACTION_RECOVERY | 2-382 |
| 2.410 | TRANSACTIONS | 2-383 |
| 2.411 | TRANSACTIONS_PER_ROLLBACK_SEGMENT | 2-383 |
| 2.412 | TRUE_CACHE | 2-384 |
| 2.413 | TXN_PRIORITY | 2-384 |
| 2.414 | UNDO_MANAGEMENT | 2-385 |
| 2.415 | UNDO_RETENTION | 2-386 |
| 2.416 | UNDO_TABLESPACE | 2-388 |
| 2.417 | UNIFIED_AUDIT_COMMON_SYSTEMLOG | 2-389 |
| 2.418 | UNIFIED_AUDIT_SYSTEMLOG | 2-390 |
| 2.419 | UNIFORM_LOG_TIMESTAMP_FORMAT | 2-391 |
| | | |



| 2.420 | USE_DEDICATED_BROKER | 2-391 |
|-------|--------------------------|-------|
| 2.421 | USE_LARGE_PAGES | 2-393 |
| 2.422 | USER_DUMP_DEST | 2-394 |
| 2.423 | WALLET_ROOT | 2-395 |
| 2.424 | WORKAREA_SIZE_POLICY | 2-398 |
| 2.425 | XML_CLIENT_SIDE_DECODING | 2-399 |
| 2.426 | XML_DB_EVENTS | 2-400 |
| 2.427 | XML_PARAMS | 2-400 |
| | | |

Part II Static Data Dictionary Views

3 Static Data Dictionary Views: ALL_ALL_TABLES to ALL_OUTLINES

| 3.1 | About Static Data Dictionary Views | 3-1 |
|------|---|------|
| 3.2 | AWR_PDB_* Views | 3-2 |
| 3.3 | AWR_ROOT_* Views | 3-2 |
| 3.4 | CDB_* Views | 3-3 |
| 3.5 | DBA_HIST_* Views | 3-4 |
| 3.6 | Oracle Database Real Application Security Views | 3-4 |
| 3.7 | Oracle Database Vault Views | 3-4 |
| 3.8 | Oracle Label Security Views | 3-5 |
| 3.9 | Oracle Workspace Manager Views | 3-5 |
| 3.10 | Recovery Catalog Views | 3-6 |
| 3.11 | Static Data Dictionary View Descriptions | 3-7 |
| 3.12 | ALL_ALL_TABLES | 3-7 |
| 3.13 | ALL_ANALYTIC_VIEW_AGGR_DIMS | 3-13 |
| 3.14 | ALL_ANALYTIC_VIEW_AGGR_FNS | 3-14 |
| 3.15 | ALL_ANALYTIC_VIEW_AGGR_FNS_AE | 3-14 |
| 3.16 | ALL_ANALYTIC_VIEW_AGR_DIMS | 3-15 |
| 3.17 | ALL_ANALYTIC_VIEW_AGR_DIMS_AE | 3-16 |
| 3.18 | ALL_ANALYTIC_VIEW_ATTR_CLASS | 3-17 |
| 3.19 | ALL_ANALYTIC_VIEW_ATTR_CLS | 3-18 |
| 3.20 | ALL_ANALYTIC_VIEW_ATTR_CLS_AE | 3-18 |
| 3.21 | ALL_ANALYTIC_VIEW_BAS_MEAS | 3-19 |
| 3.22 | ALL_ANALYTIC_VIEW_BAS_MEAS_AE | 3-19 |
| 3.23 | ALL_ANALYTIC_VIEW_BASE_MEAS | 3-20 |
| 3.24 | ALL_ANALYTIC_VIEW_CALC_MEAS | 3-21 |
| 3.25 | ALL_ANALYTIC_VIEW_CLASS | 3-22 |
| 3.26 | ALL_ANALYTIC_VIEW_CLASS_AE | 3-23 |
| 3.27 | ALL_ANALYTIC_VIEW_CLC_MEAS | 3-23 |
| 3.28 | ALL_ANALYTIC_VIEW_CLC_MEAS_AE | 3-24 |
| | | |



| 3.29 | ALL_ANALYTIC_VIEW_COLUMNS | 3-24 |
|------|-------------------------------|------|
| 3.30 | ALL_ANALYTIC_VIEW_COLUMNS_AE | 3-26 |
| 3.31 | ALL_ANALYTIC_VIEW_DIM_ATRS | 3-27 |
| 3.32 | ALL_ANALYTIC_VIEW_DIM_ATRS_AE | 3-28 |
| 3.33 | ALL_ANALYTIC_VIEW_DIM_ATTRS | 3-29 |
| 3.34 | ALL_ANALYTIC_VIEW_DIM_CLASS | 3-29 |
| 3.35 | ALL_ANALYTIC_VIEW_DIM_CLS | 3-30 |
| 3.36 | ALL_ANALYTIC_VIEW_DIM_CLS_AE | 3-30 |
| 3.37 | ALL_ANALYTIC_VIEW_DIMENSIONS | 3-31 |
| 3.38 | ALL_ANALYTIC_VIEW_DIMS | 3-32 |
| 3.39 | ALL_ANALYTIC_VIEW_DIMS_AE | 3-33 |
| 3.40 | ALL_ANALYTIC_VIEW_FACT_COLS | 3-34 |
| 3.41 | ALL_ANALYTIC_VIEW_FCT_COLS | 3-34 |
| 3.42 | ALL_ANALYTIC_VIEW_FCT_COLS_AE | 3-35 |
| 3.43 | ALL_ANALYTIC_VIEW_HIER_CLASS | 3-36 |
| 3.44 | ALL_ANALYTIC_VIEW_HIER_CLS | 3-36 |
| 3.45 | ALL_ANALYTIC_VIEW_HIER_CLS_AE | 3-37 |
| 3.46 | ALL_ANALYTIC_VIEW_HIERS | 3-38 |
| 3.47 | ALL_ANALYTIC_VIEW_HIERS_AE | 3-38 |
| 3.48 | ALL_ANALYTIC_VIEW_KEYS | 3-39 |
| 3.49 | ALL_ANALYTIC_VIEW_KEYS_AE | 3-40 |
| 3.50 | ALL_ANALYTIC_VIEW_LEVEL_CLASS | 3-41 |
| 3.51 | ALL_ANALYTIC_VIEW_LEVELS | 3-42 |
| 3.52 | ALL_ANALYTIC_VIEW_LEVELS_AE | 3-43 |
| 3.53 | ALL_ANALYTIC_VIEW_LVL_CLS | 3-44 |
| 3.54 | ALL_ANALYTIC_VIEW_LVL_CLS_AE | 3-44 |
| 3.55 | ALL_ANALYTIC_VIEW_LVLGRPS | 3-45 |
| 3.56 | ALL_ANALYTIC_VIEW_LVLGRPS_AE | 3-46 |
| 3.57 | ALL_ANALYTIC_VIEW_MEAS_CLASS | 3-47 |
| 3.58 | ALL_ANALYTIC_VIEW_MEAS_CLS | 3-48 |
| 3.59 | ALL_ANALYTIC_VIEW_MEAS_CLS_AE | 3-48 |
| 3.60 | ALL_ANALYTIC_VIEWS | 3-49 |
| 3.61 | ALL_ANALYTIC_VIEWS_AE | 3-50 |
| 3.62 | ALL_ANNOTATION_VALUES | 3-51 |
| 3.63 | ALL_ANNOTATIONS | 3-51 |
| 3.64 | ALL_ANNOTATIONS_USAGE | 3-52 |
| 3.65 | ALL_APPLY | 3-53 |
| 3.66 | ALL_APPLY_CHANGE_HANDLERS | 3-55 |
| 3.67 | ALL_APPLY_CONFLICT_COLUMNS | 3-56 |
| 3.68 | ALL_APPLY_DML_CONF_HANDLERS | 3-56 |
| 3.69 | ALL_APPLY_DML_HANDLERS | 3-57 |
| 3.70 | ALL_APPLY_ENQUEUE | 3-58 |
| | | |



| 3.71 | ALL_APPLY_ERROR | 3-59 |
|-------|--------------------------------|------|
| 3.72 | ALL_APPLY_ERROR_MESSAGES | 3-60 |
| 3.73 | ALL_APPLY_EXECUTE | 3-62 |
| 3.74 | ALL_APPLY_HANDLE_COLLISIONS | 3-63 |
| 3.75 | ALL_APPLY_INSTANTIATED_GLOBAL | 3-63 |
| 3.76 | ALL_APPLY_INSTANTIATED_OBJECTS | 3-64 |
| 3.77 | ALL_APPLY_INSTANTIATED_SCHEMAS | 3-65 |
| 3.78 | ALL_APPLY_KEY_COLUMNS | 3-65 |
| 3.79 | ALL_APPLY_PARAMETERS | 3-66 |
| 3.80 | ALL_APPLY_PROGRESS | 3-66 |
| 3.81 | ALL_APPLY_REPERROR_HANDLERS | 3-67 |
| 3.82 | ALL_APPLY_TABLE_COLUMNS | 3-68 |
| 3.83 | ALL_ARGUMENTS | 3-69 |
| 3.84 | ALL_ASSEMBLIES | 3-71 |
| 3.85 | ALL_ASSOCIATIONS | 3-72 |
| 3.86 | ALL_ATTRIBUTE_DIM_ATTR_CLASS | 3-73 |
| 3.87 | ALL_ATTRIBUTE_DIM_ATTR_CLS | 3-73 |
| 3.88 | ALL_ATTRIBUTE_DIM_ATTR_CLS_AE | 3-74 |
| 3.89 | ALL_ATTRIBUTE_DIM_ATTRS | 3-75 |
| 3.90 | ALL_ATTRIBUTE_DIM_ATTRS_AE | 3-75 |
| 3.91 | ALL_ATTRIBUTE_DIM_CLASS | 3-76 |
| 3.92 | ALL_ATTRIBUTE_DIM_CLASS_AE | 3-77 |
| 3.93 | ALL_ATTRIBUTE_DIM_JN_PTHS | 3-78 |
| 3.94 | ALL_ATTRIBUTE_DIM_JN_PTHS_AE | 3-78 |
| 3.95 | ALL_ATTRIBUTE_DIM_JOIN_PATHS | 3-79 |
| 3.96 | ALL_ATTRIBUTE_DIM_KEYS | 3-79 |
| 3.97 | ALL_ATTRIBUTE_DIM_KEYS_AE | 3-80 |
| 3.98 | ALL_ATTRIBUTE_DIM_LEVEL_ATTRS | 3-81 |
| 3.99 | ALL_ATTRIBUTE_DIM_LEVELS | 3-82 |
| 3.100 | ALL_ATTRIBUTE_DIM_LEVELS_AE | 3-83 |
| 3.101 | ALL_ATTRIBUTE_DIM_LVL_ATRS | 3-84 |
| 3.102 | ALL_ATTRIBUTE_DIM_LVL_ATRS_AE | 3-84 |
| 3.103 | ALL_ATTRIBUTE_DIM_LVL_CLASS | 3-85 |
| 3.104 | ALL_ATTRIBUTE_DIM_LVL_CLS | 3-86 |
| 3.105 | ALL_ATTRIBUTE_DIM_LVL_CLS_AE | 3-86 |
| 3.106 | ALL_ATTRIBUTE_DIM_ORD_ATRS | 3-87 |
| 3.107 | ALL_ATTRIBUTE_DIM_ORD_ATRS_AE | 3-87 |
| 3.108 | ALL_ATTRIBUTE_DIM_ORDER_ATTRS | 3-88 |
| 3.109 | ALL_ATTRIBUTE_DIM_TABLES | 3-89 |
| 3.110 | ALL_ATTRIBUTE_DIM_TABLES_AE | 3-90 |
| 3.111 | ALL_ATTRIBUTE_DIMENSIONS | 3-91 |
| 3.112 | ALL_ATTRIBUTE_DIMENSIONS_AE | 3-92 |



| 3.113 | ALL_ATTRIBUTE_TRANSFORMATIONS | 3-93 |
|-------|-------------------------------------|-------|
| 3.114 | ALL_AUDIT_POLICIES | 3-94 |
| 3.115 | ALL_AUDIT_POLICY_COLUMNS | 3-95 |
| 3.116 | ALL_AVTUNE_ARCHIVE_CACHE_LEVELS | 3-96 |
| 3.117 | ALL_AVTUNE_ARCHIVE_QUERIES | 3-97 |
| 3.118 | ALL_AVTUNE_ARCHIVE_QUERY_LEVELS | 3-98 |
| 3.119 | ALL_AVTUNE_ARCHIVE_QUERY_MEASURES | 3-98 |
| 3.120 | ALL_AVTUNE_ARCHIVES | 3-99 |
| 3.121 | ALL_AVTUNE_AV_AGG_CACHE_LEVELS | 3-100 |
| 3.122 | ALL_AVTUNE_AV_AGG_CACHES | 3-101 |
| 3.123 | ALL_AVTUNE_CALLBACK_ARGS | 3-101 |
| 3.124 | ALL_AVTUNE_ENABLED_AV_DIMENSIONS | 3-102 |
| 3.125 | ALL_AVTUNE_ENABLED_AVS | 3-103 |
| 3.126 | ALL_AVTUNE_ENABLED_DIMENSIONS | 3-104 |
| 3.127 | ALL_AW_PS | 3-105 |
| 3.128 | ALL_AWS | 3-106 |
| 3.129 | ALL_BASE_TABLE_MVIEWS | 3-107 |
| 3.130 | ALL_BLOCKCHAIN_ROW_VERSION_COLS | 3-107 |
| 3.131 | ALL_BLOCKCHAIN_ROW_VERSION_HISTORY | 3-108 |
| 3.132 | ALL_BLOCKCHAIN_TABLE_CHAINS | 3-109 |
| 3.133 | ALL_BLOCKCHAIN_TABLE_EPOCHS | 3-110 |
| 3.134 | ALL_BLOCKCHAIN_TABLE_HASH_COL_ORDER | 3-111 |
| 3.135 | ALL_BLOCKCHAIN_TABLES | 3-112 |
| 3.136 | ALL_CAPTURE | 3-113 |
| 3.137 | ALL_CAPTURE_EXTRA_ATTRIBUTES | 3-116 |
| 3.138 | ALL_CAPTURE_PARAMETERS | 3-116 |
| 3.139 | ALL_CAPTURE_PREPARED_DATABASE | 3-117 |
| 3.140 | ALL_CAPTURE_PREPARED_SCHEMAS | 3-118 |
| 3.141 | ALL_CAPTURE_PREPARED_TABLES | 3-119 |
| 3.142 | ALL_CATALOG | 3-120 |
| 3.143 | ALL_CERTIFICATES | 3-120 |
| 3.144 | ALL_CLUSTER_HASH_EXPRESSIONS | 3-121 |
| 3.145 | ALL_CLUSTERING_DIMENSIONS | 3-121 |
| 3.146 | ALL_CLUSTERING_JOINS | 3-122 |
| 3.147 | ALL_CLUSTERING_KEYS | 3-123 |
| 3.148 | ALL_CLUSTERING_TABLES | 3-124 |
| 3.149 | ALL_CLUSTERS | 3-125 |
| 3.150 | ALL_CODE_ROLE_PRIVS | 3-127 |
| 3.151 | ALL_COL_COMMENTS | 3-127 |
| 3.152 | ALL_COL_PENDING_STATS | 3-128 |
| 3.153 | ALL_COL_PRIVS | 3-129 |
| 3.154 | ALL_COL_PRIVS_MADE | 3-130 |
| | | |



| 3.155 | ALL_COL_PRIVS_RECD | 3-130 |
|-------|-------------------------------|-------|
| 3.156 | ALL_COLL_TYPES | 3-131 |
| 3.157 | ALL_CONS_COLUMNS | 3-132 |
| 3.158 | ALL_CONS_OBJ_COLUMNS | 3-133 |
| 3.159 | ALL_CONSTRAINTS | 3-134 |
| 3.160 | ALL_CONTEXT | 3-137 |
| 3.161 | ALL_CREDENTIALS | 3-137 |
| 3.162 | ALL_CUBE_ATTR_VISIBILITY | 3-138 |
| 3.163 | ALL_CUBE_ATTRIBUTES | 3-139 |
| 3.164 | ALL_CUBE_BUILD_PROCESSES | 3-141 |
| 3.165 | ALL_CUBE_CALCULATED_MEMBERS | 3-141 |
| 3.166 | ALL_CUBE_DIM_LEVELS | 3-142 |
| 3.167 | ALL_CUBE_DIM_MODELS | 3-143 |
| 3.168 | ALL_CUBE_DIM_VIEW_COLUMNS | 3-143 |
| 3.169 | ALL_CUBE_DIM_VIEWS | 3-144 |
| 3.170 | ALL_CUBE_DIMENSIONALITY | 3-145 |
| 3.171 | ALL_CUBE_DIMENSIONS | 3-145 |
| 3.172 | ALL_CUBE_HIER_LEVELS | 3-146 |
| 3.173 | ALL_CUBE_HIER_VIEW_COLUMNS | 3-147 |
| 3.174 | ALL_CUBE_HIER_VIEWS | 3-148 |
| 3.175 | ALL_CUBE_HIERARCHIES | 3-149 |
| 3.176 | ALL_CUBE_MEASURES | 3-150 |
| 3.177 | ALL_CUBE_NAMED_BUILD_SPECS | 3-151 |
| 3.178 | ALL_CUBE_SUB_PARTITION_LEVELS | 3-151 |
| 3.179 | ALL_CUBE_VIEW_COLUMNS | 3-152 |
| 3.180 | ALL_CUBE_VIEWS | 3-153 |
| 3.181 | ALL_CUBES | 3-153 |
| 3.182 | ALL_DB_LINKS | 3-154 |
| 3.183 | ALL_DEF_AUDIT_OPTS | 3-155 |
| 3.184 | ALL_DEPENDENCIES | 3-156 |
| 3.185 | ALL_DEQUEUE_QUEUES | 3-157 |
| 3.186 | ALL_DIM_ATTRIBUTES | 3-158 |
| 3.187 | ALL_DIM_CHILD_OF | 3-158 |
| 3.188 | ALL_DIM_HIERARCHIES | 3-159 |
| 3.189 | ALL_DIM_JOIN_KEY | 3-160 |
| 3.190 | ALL_DIM_LEVEL_KEY | 3-160 |
| 3.191 | ALL_DIM_LEVELS | 3-161 |
| 3.192 | ALL_DIMENSIONS | 3-161 |
| 3.193 | ALL_DIRECTORIES | 3-162 |
| 3.194 | ALL_DOMAIN_COLS | 3-163 |
| 3.195 | ALL_DOMAIN_CONSTRAINTS | 3-164 |
| 3.196 | ALL_DOMAINS | 3-166 |
| | | |



| 3.197 | ALL_EDITION_COMMENTS | 3-167 |
|-------|-------------------------------|-------|
| 3.198 | ALL_EDITIONING_VIEW_COLS | 3-168 |
| 3.199 | ALL_EDITIONING_VIEW_COLS_AE | 3-168 |
| 3.200 | ALL_EDITIONING_VIEWS | 3-169 |
| 3.201 | ALL_EDITIONING_VIEWS_AE | 3-170 |
| 3.202 | ALL_EDITIONS | 3-170 |
| 3.203 | ALL_ENCRYPTED_COLUMNS | 3-171 |
| 3.204 | ALL_ERROR_TRANSLATIONS | 3-171 |
| 3.205 | ALL_ERRORS | 3-172 |
| 3.206 | ALL_ERRORS_AE | 3-173 |
| 3.207 | ALL_EVALUATION_CONTEXT_TABLES | 3-174 |
| 3.208 | ALL_EVALUATION_CONTEXT_VARS | 3-174 |
| 3.209 | ALL_EVALUATION_CONTEXTS | 3-175 |
| 3.210 | ALL_EXPRESSION_STATISTICS | 3-176 |
| 3.211 | ALL_EXTERNAL_LOCATIONS | 3-176 |
| 3.212 | ALL_EXTERNAL_TABLES | 3-177 |
| 3.213 | ALL_GG_AUTO_CDR_COLUMN_GROUPS | 3-178 |
| 3.214 | ALL_GG_AUTO_CDR_COLUMNS | 3-179 |
| 3.215 | ALL_GG_AUTO_CDR_TABLES | 3-179 |
| 3.216 | ALL_GG_INBOUND_PROGRESS | 3-180 |
| 3.217 | ALL_GOLDENGATE_INBOUND | 3-181 |
| 3.218 | ALL_GOLDENGATE_PRIVILEGES | 3-182 |
| 3.219 | ALL_GOLDENGATE_RULES | 3-183 |
| 3.220 | ALL_HEAT_MAP_SEG_HISTOGRAM | 3-184 |
| 3.221 | ALL_HEAT_MAP_SEGMENT | 3-185 |
| 3.222 | ALL_HIER_CLASS | 3-186 |
| 3.223 | ALL_HIER_CLASS_AE | 3-186 |
| 3.224 | ALL_HIER_COLUMNS | 3-187 |
| 3.225 | ALL_HIER_COLUMNS_AE | 3-188 |
| 3.226 | ALL_HIER_HIER_ATTR_CLASS | 3-190 |
| 3.227 | ALL_HIER_HIER_ATTR_CLASS_AE | 3-190 |
| 3.228 | ALL_HIER_HIER_ATTRIBUTES | 3-191 |
| 3.229 | ALL_HIER_HIER_ATTRIBUTES_AE | 3-192 |
| 3.230 | ALL_HIER_JOIN_PATHS | 3-193 |
| 3.231 | ALL_HIER_JOIN_PATHS_AE | 3-193 |
| 3.232 | ALL_HIER_LEVEL_ID_ATTRS | 3-194 |
| 3.233 | ALL_HIER_LEVEL_ID_ATTRS_AE | 3-195 |
| 3.234 | ALL_HIER_LEVELS | 3-196 |
| 3.235 | ALL_HIER_LEVELS_AE | 3-196 |
| 3.236 | ALL_HIERARCHIES | 3-197 |
| 3.237 | ALL_HIERARCHIES_AE | 3-198 |
| 3.238 | ALL_HIST_SAGAS | 3-199 |
| | | |



| 3.239 | ALL_HISTOGRAMS | 3-200 |
|-------|-----------------------------------|-------|
| 3.240 | ALL_HIVE_COLUMNS | 3-200 |
| 3.241 | ALL_HIVE_DATABASES | 3-201 |
| 3.242 | ALL_HIVE_PART_KEY_COLUMNS | 3-201 |
| 3.243 | ALL_HIVE_TAB_PARTITIONS | 3-202 |
| 3.244 | ALL_HIVE_TABLES | 3-203 |
| 3.245 | ALL_IDENTIFIERS | 3-203 |
| 3.246 | ALL_IMMUTABLE_ROW_VERSION_COLS | 3-206 |
| 3.247 | ALL_IMMUTABLE_ROW_VERSION_HISTORY | 3-206 |
| 3.248 | ALL_IMMUTABLE_TABLE_COLUMNS | 3-208 |
| 3.249 | ALL_IMMUTABLE_TABLE_EPOCHS | 3-208 |
| 3.250 | ALL_IMMUTABLE_TABLES | 3-209 |
| 3.251 | ALL_INCOMPLETE_SAGAS | 3-210 |
| 3.252 | ALL_IND_COLUMNS | 3-211 |
| 3.253 | ALL_IND_EXPRESSIONS | 3-212 |
| 3.254 | ALL_IND_PARTITIONS | 3-213 |
| 3.255 | ALL_IND_PENDING_STATS | 3-216 |
| 3.256 | ALL_IND_STATISTICS | 3-217 |
| 3.257 | ALL_IND_SUBPARTITIONS | 3-218 |
| 3.258 | ALL_INDEXES | 3-221 |
| 3.259 | ALL_INDEXTYPE_ARRAYTYPES | 3-226 |
| 3.260 | ALL_INDEXTYPE_COMMENTS | 3-226 |
| 3.261 | ALL_INDEXTYPE_OPERATORS | 3-227 |
| 3.262 | ALL_INDEXTYPES | 3-227 |
| 3.263 | ALL_INTERNAL_TRIGGERS | 3-228 |
| 3.264 | ALL_JAVA_ARGUMENTS | 3-229 |
| 3.265 | ALL_JAVA_CLASSES | 3-229 |
| 3.266 | ALL_JAVA_COMPILER_OPTIONS | 3-230 |
| 3.267 | ALL_JAVA_DERIVATIONS | 3-231 |
| 3.268 | ALL_JAVA_FIELDS | 3-232 |
| 3.269 | ALL_JAVA_IMPLEMENTS | 3-233 |
| 3.270 | ALL_JAVA_INNERS | 3-233 |
| 3.271 | ALL_JAVA_LAYOUTS | 3-234 |
| 3.272 | ALL_JAVA_METHODS | 3-235 |
| 3.273 | ALL_JAVA_NCOMPS | 3-237 |
| 3.274 | ALL_JAVA_RESOLVERS | 3-237 |
| 3.275 | ALL_JAVA_THROWS | 3-238 |
| 3.276 | ALL_JOBS | 3-239 |
| 3.277 | ALL_JOIN_IND_COLUMNS | 3-239 |
| 3.278 | ALL_JSON_COLLECTION_TABLES | 3-239 |
| 3.279 | ALL_JSON_COLLECTION_VIEWS | 3-240 |
| 3.280 | ALL_JSON_COLLECTIONS | 3-241 |
| | | |



| 3.281 | ALL_JSON_COLUMNS | 3-241 |
|-------|------------------------------------|-------|
| 3.282 | ALL_JSON_DATAGUIDE_FIELDS | 3-243 |
| 3.283 | ALL_JSON_DATAGUIDES | 3-244 |
| 3.284 | ALL_JSON_DOMAIN_SCHEMA_COLUMNS | 3-244 |
| 3.285 | ALL_JSON_DUALITY_VIEW_LINKS | 3-245 |
| 3.286 | ALL_JSON_DUALITY_VIEW_TAB_COLS | 3-246 |
| 3.287 | ALL_JSON_DUALITY_VIEW_TABS | 3-247 |
| 3.288 | ALL_JSON_DUALITY_VIEWS | 3-249 |
| 3.289 | ALL_JSON_INDEXES | 3-250 |
| 3.290 | ALL_JSON_SCHEMA_COLUMNS | 3-251 |
| 3.291 | ALL_LIBRARIES | 3-252 |
| 3.292 | ALL_LOB_PARTITIONS | 3-252 |
| 3.293 | ALL_LOB_SUBPARTITIONS | 3-255 |
| 3.294 | ALL_LOB_TEMPLATES | 3-258 |
| 3.295 | ALL_LOBS | 3-259 |
| 3.296 | ALL_LOG_GROUP_COLUMNS | 3-261 |
| 3.297 | ALL_LOG_GROUPS | 3-262 |
| 3.298 | ALL_MEASURE_FOLDER_CONTENTS | 3-263 |
| 3.299 | ALL_MEASURE_FOLDER_SUBFOLDERS | 3-263 |
| 3.300 | ALL_MEASURE_FOLDERS | 3-264 |
| 3.301 | ALL_METADATA_PROPERTIES | 3-265 |
| 3.302 | ALL_METHOD_PARAMS | 3-265 |
| 3.303 | ALL_METHOD_RESULTS | 3-266 |
| 3.304 | ALL_MINING_ALGORITHMS | 3-267 |
| 3.305 | ALL_MINING_MODEL_ATTRIBUTES | 3-267 |
| 3.306 | ALL_MINING_MODEL_PARTITIONS | 3-269 |
| 3.307 | ALL_MINING_MODEL_SETTINGS | 3-270 |
| 3.308 | ALL_MINING_MODEL_VIEWS | 3-270 |
| 3.309 | ALL_MINING_MODEL_XFORMS | 3-271 |
| 3.310 | ALL_MINING_MODELS | 3-271 |
| 3.311 | ALL_MLE_ENV_IMPORTS | 3-273 |
| 3.312 | ALL_MLE_ENVS | 3-274 |
| 3.313 | ALL_MLE_MODULES | 3-274 |
| 3.314 | ALL_MLE_PROCEDURES | 3-275 |
| 3.315 | ALL_MVIEW_AGGREGATES | 3-277 |
| 3.316 | ALL_MVIEW_ANALYSIS | 3-277 |
| 3.317 | ALL_MVIEW_COMMENTS | 3-279 |
| 3.318 | ALL_MVIEW_DETAIL_LOGICAL_PARTITION | 3-280 |
| 3.319 | ALL_MVIEW_DETAIL_PARTITION | 3-281 |
| 3.320 | ALL_MVIEW_DETAIL_RELATIONS | 3-281 |
| 3.321 | ALL_MVIEW_DETAIL_SUBPARTITION | 3-282 |
| 3.322 | ALL_MVIEW_JOINS | 3-283 |



| 3.323 | ALL_MVIEW_KEYS | 3-284 |
|-------|---------------------------|-------|
| 3.324 | ALL_MVIEW_LOGS | 3-285 |
| 3.325 | ALL_MVIEW_REFRESH_TIMES | 3-286 |
| 3.326 | ALL_MVIEWS | 3-287 |
| 3.327 | ALL_NESTED_TABLE_COLS | 3-291 |
| 3.328 | ALL_NESTED_TABLES | 3-294 |
| 3.329 | ALL_OBJ_COLATTRS | 3-295 |
| 3.330 | ALL_OBJECT_TABLES | 3-295 |
| 3.331 | ALL_OBJECTS | 3-301 |
| 3.332 | ALL_OBJECTS_AE | 3-303 |
| 3.333 | ALL_OPANCILLARY | 3-304 |
| 3.334 | ALL_OPARGUMENTS | 3-305 |
| 3.335 | ALL_OPBINDINGS | 3-306 |
| 3.336 | ALL_OPERATOR_COMMENTS | 3-307 |
| 3.337 | ALL_OPERATORS | 3-307 |
| 3.338 | ALL_OUTLINE_HINTS | 3-308 |
| 3.339 | ALL_OUTLINES | 3-308 |
| | ALL_PART_COL_STATISTICS | 4-1 |
| 4.1 | ALL_PART_COL_STATISTICS | 4-1 |
| 4.2 A | ALL_PART_HISTOGRAMS | 4-2 |
| | ALL_PART_INDEXES | 4-3 |
| | ALL_PART_KEY_COLUMNS | 4-6 |
| | ALL_PART_LOBS | 4-6 |
| | ALL_PART_TABLES | 4-9 |
| | ALL_PARTIAL_DROP_TABS | 4-14 |
| | ALL_PENDING_CONV_TABLES | 4-14 |
| | ALL_PG_EDGE_RELATIONSHIPS | 4-15 |
| | ALL_PG_ELEMENT_LABELS | 4-16 |
| | ALL_PG_ELEMENTS | 4-16 |
| | ALL_PG_KEYS | 4-17 |
| | ALL_PG_LABEL_PROPERTIES | 4-18 |
| | ALL_PG_LABELS | 4-19 |
| | ALL_PG_PROP_DEFINITIONS | 4-19 |
| | ALL_PLSQL_COLL_TYPES | 4-20 |
| | ALL_PLSQL_OBJECT_SETTINGS | 4-21 |
| | ALL_PLSQL_TYPE_ATTRS | 4-22 |
| | ALL_PLSQL_TYPES | 4-23 |
| | ALL_POLICIES | 4-24 |
| 4.21 | ALL_POLICY_ATTRIBUTES | 4-25 |
| | | |



3-284

| 4.22 | ALL_POLICY_CONTEXTS | 4-26 |
|------|--------------------------------|------|
| 4.23 | ALL_POLICY_GROUPS | 4-26 |
| 4.24 | ALL_PROCEDURES | 4-27 |
| 4.25 | ALL_PROPAGATION | 4-29 |
| 4.26 | ALL_PROPERTY_GRAPHS | 4-30 |
| 4.27 | ALL_QUEUE_EVENT_STREAMS | 4-31 |
| 4.28 | ALL_QUEUE_SCHEDULES | 4-31 |
| 4.29 | ALL_QUEUE_SUBSCRIBERS | 4-33 |
| 4.30 | ALL_QUEUE_TABLES | 4-34 |
| 4.31 | ALL_QUEUES | 4-35 |
| 4.32 | ALL_REFRESH | 4-36 |
| 4.33 | ALL_REFRESH_CHILDREN | 4-37 |
| 4.34 | ALL_REFRESH_DEPENDENCIES | 4-38 |
| 4.35 | ALL_REFS | 4-39 |
| 4.36 | ALL_REGISTERED_MVIEWS | 4-40 |
| 4.37 | ALL_REGISTRY_BANNERS | 4-40 |
| 4.38 | ALL_REPL_DBNAME_MAPPING | 4-41 |
| 4.39 | ALL_REPLICATION_PROCESS_EVENTS | 4-41 |
| 4.40 | ALL_REWRITE_EQUIVALENCES | 4-42 |
| 4.41 | ALL_RULE_SET_RULES | 4-43 |
| 4.42 | ALL_RULE_SETS | 4-43 |
| 4.43 | ALL_RULES | 4-44 |
| 4.44 | ALL_SAGA_BROKERS | 4-45 |
| 4.45 | ALL_SAGA_DETAILS | 4-45 |
| 4.46 | ALL_SAGA_ERRORS | 4-46 |
| 4.47 | ALL_SAGA_FINALIZATION | 4-47 |
| 4.48 | ALL_SAGA_PARTICIPANT_SET | 4-48 |
| 4.49 | ALL_SAGA_PARTICIPANTS | 4-49 |
| 4.50 | ALL_SAGA_PENDING | 4-50 |
| 4.51 | ALL_SAGAS | 4-51 |
| 4.52 | ALL_SCHEDULER_CHAIN_RULES | 4-52 |
| 4.53 | ALL_SCHEDULER_CHAIN_STEPS | 4-53 |
| 4.54 | ALL_SCHEDULER_CHAINS | 4-54 |
| 4.55 | ALL_SCHEDULER_CREDENTIALS | 4-55 |
| 4.56 | ALL_SCHEDULER_DB_DESTS | 4-56 |
| 4.57 | ALL_SCHEDULER_DESTS | 4-56 |
| 4.58 | ALL_SCHEDULER_EXTERNAL_DESTS | 4-57 |
| 4.59 | ALL_SCHEDULER_FILE_WATCHERS | 4-58 |
| 4.60 | ALL_SCHEDULER_GLOBAL_ATTRIBUTE | 4-59 |
| 4.61 | ALL_SCHEDULER_GROUP_MEMBERS | 4-59 |
| 4.62 | ALL_SCHEDULER_GROUPS | 4-60 |
| 4.63 | ALL_SCHEDULER_INCOMPAT_MEMBER | 4-60 |



| 4.64 | ALL_SCHEDULER_INCOMPATS | 4-61 |
|-------|--------------------------------|-------|
| 4.65 | ALL_SCHEDULER_JOB_ARGS | 4-62 |
| 4.66 | ALL_SCHEDULER_JOB_CLASSES | 4-62 |
| 4.67 | ALL_SCHEDULER_JOB_DESTS | 4-63 |
| 4.68 | ALL_SCHEDULER_JOB_LOG | 4-64 |
| 4.69 | ALL_SCHEDULER_JOB_RUN_DETAILS | 4-66 |
| 4.70 | ALL_SCHEDULER_JOBS | 4-67 |
| 4.71 | ALL_SCHEDULER_NOTIFICATIONS | 4-71 |
| 4.72 | ALL_SCHEDULER_PROGRAM_ARGS | 4-72 |
| 4.73 | ALL_SCHEDULER_PROGRAMS | 4-73 |
| 4.74 | ALL_SCHEDULER_REMOTE_DATABASES | 4-74 |
| 4.75 | ALL_SCHEDULER_REMOTE_JOBSTATE | 4-74 |
| 4.76 | ALL_SCHEDULER_RESOURCES | 4-75 |
| 4.77 | ALL_SCHEDULER_RSC_CONSTRAINTS | 4-76 |
| 4.78 | ALL_SCHEDULER_RUNNING_CHAINS | 4-77 |
| 4.79 | ALL_SCHEDULER_RUNNING_JOBS | 4-78 |
| 4.80 | ALL_SCHEDULER_SCHEDULES | 4-79 |
| 4.81 | ALL_SCHEDULER_WINDOW_DETAILS | 4-80 |
| 4.82 | ALL_SCHEDULER_WINDOW_GROUPS | 4-81 |
| 4.83 | ALL_SCHEDULER_WINDOW_LOG | 4-82 |
| 4.84 | ALL_SCHEDULER_WINDOWS | 4-82 |
| 4.85 | ALL_SCHEDULER_WINGROUP_MEMBERS | 4-83 |
| 4.86 | ALL_SEC_RELEVANT_COLS | 4-84 |
| 4.87 | ALL_SECONDARY_OBJECTS | 4-85 |
| 4.88 | ALL_SEQUENCES | 4-85 |
| 4.89 | ALL_SERVICES | 4-86 |
| 4.90 | ALL_SOURCE | 4-91 |
| 4.91 | ALL_SOURCE_AE | 4-91 |
| 4.92 | ALL_SQL_TRANSLATION_PROFILES | 4-92 |
| 4.93 | ALL_SQL_TRANSLATIONS | 4-93 |
| 4.94 | ALL_SQLJ_TYPE_ATTRS | 4-94 |
| 4.95 | ALL_SQLJ_TYPE_METHODS | 4-95 |
| 4.96 | ALL_SQLJ_TYPES | 4-96 |
| 4.97 | ALL_SQLSET | 4-97 |
| 4.98 | ALL_SQLSET_BINDS | 4-98 |
| 4.99 | ALL_SQLSET_PLANS | 4-99 |
| 4.100 | ALL_SQLSET_REFERENCES | 4-103 |
| 4.101 | ALL_SQLSET_STATEMENTS | 4-103 |
| 4.102 | ALL_STAT_EXTENSIONS | 4-106 |
| 4.103 | ALL_STATEMENTS | 4-106 |
| 4.104 | ALL_STORED_SETTINGS | 4-108 |
| 4.105 | ALL_STREAMS_GLOBAL_RULES | 4-109 |



| 4.106 | ALL_STREAMS_MESSAGE_CONSUMERS | 4-110 |
|-------|--------------------------------|-------|
| 4.107 | ALL_STREAMS_NEWLY_SUPPORTED | 4-111 |
| 4.108 | ALL_STREAMS_SCHEMA_RULES | 4-112 |
| 4.109 | ALL_STREAMS_TABLE_RULES | 4-113 |
| 4.110 | ALL_STREAMS_TRANSFORM_FUNCTION | 4-114 |
| 4.111 | ALL_SUBPART_COL_STATISTICS | 4-115 |
| 4.112 | ALL_SUBPART_HISTOGRAMS | 4-116 |
| 4.113 | ALL_SUBPART_KEY_COLUMNS | 4-117 |
| 4.114 | ALL_SUBPARTITION_TEMPLATES | 4-118 |
| 4.115 | ALL_SUMDELTA | 4-119 |
| 4.116 | ALL_SYNC_CAPTURE | 4-119 |
| 4.117 | ALL_SYNC_CAPTURE_PREPARED_TABS | 4-120 |
| 4.118 | ALL_SYNC_CAPTURE_TABLES | 4-120 |
| 4.119 | ALL_SYNONYMS | 4-121 |
| 4.120 | ALL_TAB_COL_STAT_MODELS | 4-122 |
| 4.121 | ALL_TAB_COL_STATISTICS | 4-123 |
| 4.122 | ALL_TAB_COLS | 4-124 |
| 4.123 | ALL_TAB_COLUMNS | 4-128 |
| 4.124 | ALL_TAB_COMMENTS | 4-132 |
| 4.125 | ALL_TAB_HISTGRM_PENDING_STATS | 4-133 |
| 4.126 | ALL_TAB_HISTOGRAMS | 4-133 |
| 4.127 | ALL_TAB_IDENTITY_COLS | 4-134 |
| 4.128 | ALL_TAB_MODIFICATIONS | 4-135 |
| 4.129 | ALL_TAB_PARTITIONS | 4-136 |
| 4.130 | ALL_TAB_PENDING_STATS | 4-142 |
| 4.131 | ALL_TAB_PRIVS | 4-143 |
| 4.132 | ALL_TAB_PRIVS_MADE | 4-144 |
| 4.133 | ALL_TAB_PRIVS_RECD | 4-144 |
| 4.134 | ALL_TAB_STAT_PREFS | 4-145 |
| 4.135 | ALL_TAB_STATISTICS | 4-146 |
| 4.136 | ALL_TAB_STATS_HISTORY | 4-147 |
| 4.137 | ALL_TAB_SUBPARTITIONS | 4-148 |
| 4.138 | ALL_TABLE_ACCESS_STATS | 4-152 |
| 4.139 | ALL_TABLE_VIRTUAL_COLUMNS | 4-153 |
| 4.140 | ALL_TABLES | 4-154 |
| 4.141 | ALL_TRANSFORMATIONS | 4-161 |
| 4.142 | ALL_TRIGGER_COLS | 4-161 |
| 4.143 | ALL_TRIGGER_ORDERING | 4-162 |
| 4.144 | ALL_TRIGGERS | 4-163 |
| 4.145 | ALL_TRIGGERS_AE | 4-165 |
| 4.146 | ALL_TSTZ_TAB_COLS | 4-167 |
| 4.147 | ALL_TSTZ_TABLES | 4-168 |



| ALL_TXEVENTQ_MIGRATION_STATUS | 4-168 |
|-------------------------------|---|
| ALL_TYPE_ATTRS | 4-169 |
| ALL_TYPE_METHODS | 4-170 |
| ALL_TYPE_VERSIONS | 4-171 |
| ALL_TYPES | 4-172 |
| ALL_UNIFIED_AUDIT_ACTIONS | 4-173 |
| ALL_UNUSED_COL_TABS | 4-173 |
| ALL_UPDATABLE_COLUMNS | 4-174 |
| ALL_USERS | 4-175 |
| ALL_USTATS | 4-176 |
| ALL_VARRAYS | 4-177 |
| ALL_VIEWS | 4-178 |
| ALL_VIEWS_AE | 4-180 |
| ALL_WARNING_SETTINGS | 4-181 |
| ALL_XML_INDEXES | 4-182 |
| ALL_XML_NESTED_TABLES | 4-183 |
| ALL_XML_OUT_OF_LINE_TABLES | 4-184 |
| ALL_XML_SCHEMA_ATTRIBUTES | 4-185 |
| ALL_XML_SCHEMA_COMPLEX_TYPES | 4-186 |
| ALL_XML_SCHEMA_ELEMENTS | 4-187 |
| ALL_XML_SCHEMA_NAMESPACES | 4-188 |
| ALL_XML_SCHEMA_SIMPLE_TYPES | 4-188 |
| ALL_XML_SCHEMA_SUBSTGRP_HEAD | 4-189 |
| ALL_XML_SCHEMA_SUBSTGRP_MBRS | 4-190 |
| ALL_XML_SCHEMAS | 4-191 |
| ALL_XML_TAB_COLS | 4-192 |
| ALL_XML_TABLES | 4-193 |
| ALL_XML_VIEW_COLS | 4-194 |
| ALL_XML_VIEWS | 4-195 |
| ALL_XSTREAM_ADMINISTRATOR | 4-195 |
| ALL_XSTREAM_INBOUND | 4-196 |
| ALL_XSTREAM_INBOUND_PROGRESS | 4-197 |
| ALL_XSTREAM_OUT_SUPPORT_MODE | 4-198 |
| ALL_XSTREAM_OUTBOUND | 4-199 |
| ALL_XSTREAM_OUTBOUND_PROGRESS | 4-200 |
| ALL_XSTREAM_RULES | 4-201 |
| ALL_XSTREAM_TRANSFORMATIONS | 4-202 |
| ALL_XTERNAL_LOC_PARTITIONS | 4-203 |
| ALL_XTERNAL_LOC_SUBPARTITIONS | 4-204 |
| ALL_XTERNAL_PART_TABLES | 4-205 |
| ALL_XTERNAL_TAB_PARTITIONS | 4-206 |
| ALL_XTERNAL_TAB_SUBPARTITIONS | 4-207 |
| | ALL_TYPE_ATTRS ALL_TYPE_METHODS ALL_TYPES ALL_UNIFIED_AUDIT_ACTIONS ALL_UNUSED_COL_TABS ALL_UPDATABLE_COLUMNS ALL_USERS ALL_USERS ALL_VIEWS ALL_VIEWS ALL_VIEWS_AE ALL_WARNING_SETTINGS ALL_WARNING_SETTINGS ALL_XML_INDEXES ALL_XML_NOT_OF_LINE_TABLES ALL_XML_SCHEMA_ATTRIBUTES ALL_XML_SCHEMA_ELEMENTS ALL_XML_SCHEMA_SIMPLE_TYPES ALL_XML_SCHEMA_SUBSTGRP_HEAD ALL_XML_SCHEMA_SUBSTGRP_MBRS ALL_XML_SCHEMAS ALL_XML_SCHEMAS ALL_XML_TABLES ALL_XML_TABLES ALL_XML_TABLES ALL_XML_TABLES ALL_XML_TABLES ALL_XML_TABLES ALL_XML_VIEW_COLS ALL_XML_VIEW_COLS ALL_XSTREAM_ADMINISTRATOR ALL_XSTREAM_ADMINISTRATOR ALL_XSTREAM_OUT_SUPPORT_MODE ALL_XSTREAM_OUT_SUPPORT_MODE ALL_XSTREAM_OUTBOUND ALL_XSTREAM_OUTBOUND ALL_XSTREAM_OUTBOUND ALL_XSTREAM_OUTBOUND_PROGRESS ALL_XSTREAM_FRANSFORMATIONS ALL_XTERNAL_LOC_SUBPARTITIONS ALL_XTERNAL_LOC_SUBPARTITIONS ALL_XTERNAL_TAB_PARTITIONS |



| 4.190 ALL | _ZONEMAP_MEASURES | 4-207 |
|------------|---|-------------|
| 4.191 ALL | _ZONEMAPS | 4-208 |
| 4.192 AUD | DIT_ACTIONS | 4-210 |
| 4.193 AUE | DIT_UNIFIED_CONTEXTS | 4-211 |
| 4.194 AUD | DIT_UNIFIED_ENABLED_POLICIES | 4-211 |
| 4.195 AUD | DIT_UNIFIED_POLICIES | 4-212 |
| 4.196 AUE | DIT_UNIFIED_POLICY_COMMENTS | 4-214 |
| 4.197 AUD | DITABLE_SYSTEM_ACTIONS | 4-214 |
| 4.198 CAT | - | 4-216 |
| 4.199 CAT | ALOG | 4-216 |
| 4.200 CHA | AINED_ROWS | 4-216 |
| 4.201 CLIE | ENT_RESULT_CACHE_STATS\$ | 4-216 |
| 4.202 CLU | J | 4-217 |
| 4.203 COL | _ | 4-217 |
| 4.204 COL | S | 4-217 |
| 4.205 DAT | ABASE_EXPORT_OBJECTS | 4-218 |
| 4.206 DAT | ABASE_PROPERTIES | 4-218 |
| _ | PPC_NEIGHBORS | 5-1 |
| 5.1 DBA_2 | PC_NEIGHBORS | 5-1 |
| _ | 2PC_PENDING | 5-1 |
| _ | ACCHK_EVENTS | 5-2 |
| _ | ACCHK_EVENTS_SUMMARY | 5-3 |
| _ | ACCHK_STATISTICS | 5-5 |
| _ | ACCHK_STATISTICS_SUMMARY | 5-6 |
| _ | ACL_NAME_MAP | 5-7 |
| _ | ACTIVITY_CONFIG | 5-8 |
| _ | ACTIVITY_MVIEW | 5-8 5-10 |
| _ | _ACTIVITY_SNAPSHOT_META ACTIVITY TABLE | 5-10 |
| _ | ADDM FDG BREAKDOWN | 5-10 |
| _ | ADDM_FINDINGS | 5-12 |
| _ | ADDM_INSTANCES | 5-14 |
| _ | _ADDM_INGTANCES _ADDM_PENDING_AUTOTASKS | 5-15 |
| _ | ADDM_SCHEDULED_AUTOTASKS | 5-16 |
| _ | ADDM SYSTEM DIRECTIVES | 5-16 |
| _ | ADDM_TASK_DIRECTIVES | 5-17 |
| _ | ADDM_TASKS | 5-17 |
| - | _ADVISOR_ACTIONS | 5-20 |
| _ | ADVISOR_COMMANDS | 5-22 |
| | | 3 == |



| 5.22 | DBA_ADVISOR_DEF_PARAMETERS | 5-22 |
|------|-------------------------------|------|
| 5.23 | DBA_ADVISOR_DEFINITIONS | 5-23 |
| 5.24 | DBA_ADVISOR_DIR_DEFINITIONS | 5-24 |
| 5.25 | DBA_ADVISOR_DIR_INSTANCES | 5-25 |
| 5.26 | DBA_ADVISOR_DIR_TASK_INST | 5-25 |
| 5.27 | DBA_ADVISOR_EXEC_PARAMETERS | 5-26 |
| 5.28 | DBA_ADVISOR_EXECUTION_TYPES | 5-26 |
| 5.29 | DBA_ADVISOR_EXECUTIONS | 5-27 |
| 5.30 | DBA_ADVISOR_FDG_BREAKDOWN | 5-28 |
| 5.31 | DBA_ADVISOR_FINDING_NAMES | 5-29 |
| 5.32 | DBA_ADVISOR_FINDINGS | 5-29 |
| 5.33 | DBA_ADVISOR_JOURNAL | 5-30 |
| 5.34 | DBA_ADVISOR_LOG | 5-31 |
| 5.35 | DBA_ADVISOR_OBJECT_TYPES | 5-32 |
| 5.36 | DBA_ADVISOR_OBJECTS | 5-32 |
| 5.37 | DBA_ADVISOR_PARAMETERS | 5-34 |
| 5.38 | DBA_ADVISOR_RATIONALE | 5-35 |
| 5.39 | DBA_ADVISOR_RECOMMENDATIONS | 5-36 |
| 5.40 | DBA_ADVISOR_SQLA_REC_SUM | 5-38 |
| 5.41 | DBA_ADVISOR_SQLA_TABLES | 5-38 |
| 5.42 | DBA_ADVISOR_SQLA_WK_MAP | 5-39 |
| 5.43 | DBA_ADVISOR_SQLA_WK_STMTS | 5-40 |
| 5.44 | DBA_ADVISOR_SQLPLANS | 5-41 |
| 5.45 | DBA_ADVISOR_SQLSTATS | 5-44 |
| 5.46 | DBA_ADVISOR_SQLW_JOURNAL | 5-46 |
| 5.47 | DBA_ADVISOR_SQLW_PARAMETERS | 5-47 |
| 5.48 | DBA_ADVISOR_SQLW_STMTS | 5-48 |
| 5.49 | DBA_ADVISOR_SQLW_SUM | 5-49 |
| 5.50 | DBA_ADVISOR_SQLW_TABLES | 5-50 |
| 5.51 | DBA_ADVISOR_SQLW_TEMPLATES | 5-50 |
| 5.52 | DBA_ADVISOR_TASKS | 5-51 |
| 5.53 | DBA_ADVISOR_TEMPLATES | 5-52 |
| 5.54 | DBA_ADVISOR_USAGE | 5-53 |
| 5.55 | DBA_AIM_PERF_FEATURES | 5-53 |
| 5.56 | DBA_ALERT_HISTORY | 5-54 |
| 5.57 | DBA_ALERT_HISTORY_DETAIL | 5-55 |
| 5.58 | DBA_ALL_TABLES | 5-56 |
| 5.59 | DBA_ANALYTIC_VIEW_AGGR_DIMS | 5-56 |
| 5.60 | DBA_ANALYTIC_VIEW_AGGR_FNS | 5-57 |
| 5.61 | DBA_ANALYTIC_VIEW_AGGR_FNS_AE | 5-57 |
| 5.62 | DBA_ANALYTIC_VIEW_AGR_DIMS | 5-57 |
| 5.63 | DBA_ANALYTIC_VIEW_AGR_DIMS_AE | 5-57 |



| 5.64 | DBA_ANALYTIC_VIEW_ATTR_CLASS | 5-58 |
|-------|-------------------------------|------|
| 5.65 | DBA_ANALYTIC_VIEW_ATTR_CLS | 5-58 |
| 5.66 | DBA_ANALYTIC_VIEW_ATTR_CLS_AE | 5-58 |
| 5.67 | DBA_ANALYTIC_VIEW_BAS_MEAS | 5-58 |
| 5.68 | DBA_ANALYTIC_VIEW_BAS_MEAS_AE | 5-59 |
| 5.69 | DBA_ANALYTIC_VIEW_BASE_MEAS | 5-59 |
| 5.70 | DBA_ANALYTIC_VIEW_CALC_MEAS | 5-59 |
| 5.71 | DBA_ANALYTIC_VIEW_CLASS | 5-59 |
| 5.72 | DBA_ANALYTIC_VIEW_CLASS_AE | 5-60 |
| 5.73 | DBA_ANALYTIC_VIEW_CLC_MEAS | 5-60 |
| 5.74 | DBA_ANALYTIC_VIEW_CLC_MEAS_AE | 5-60 |
| 5.75 | DBA_ANALYTIC_VIEW_COLUMNS | 5-60 |
| 5.76 | DBA_ANALYTIC_VIEW_COLUMNS_AE | 5-61 |
| 5.77 | DBA_ANALYTIC_VIEW_DIM_ATRS | 5-61 |
| 5.78 | DBA_ANALYTIC_VIEW_DIM_ATRS_AE | 5-61 |
| 5.79 | DBA_ANALYTIC_VIEW_DIM_ATTRS | 5-61 |
| 5.80 | DBA_ANALYTIC_VIEW_DIM_CLASS | 5-62 |
| 5.81 | DBA_ANALYTIC_VIEW_DIM_CLS | 5-62 |
| 5.82 | DBA_ANALYTIC_VIEW_DIM_CLS_AE | 5-62 |
| 5.83 | DBA_ANALYTIC_VIEW_DIMENSIONS | 5-62 |
| 5.84 | DBA_ANALYTIC_VIEW_DIMS | 5-63 |
| 5.85 | DBA_ANALYTIC_VIEW_DIMS_AE | 5-63 |
| 5.86 | DBA_ANALYTIC_VIEW_FACT_COLS | 5-63 |
| 5.87 | DBA_ANALYTIC_VIEW_FCT_COLS | 5-63 |
| 5.88 | DBA_ANALYTIC_VIEW_FCT_COLS_AE | 5-64 |
| 5.89 | DBA_ANALYTIC_VIEW_HIER_CLASS | 5-64 |
| 5.90 | DBA_ANALYTIC_VIEW_HIER_CLS | 5-64 |
| 5.91 | DBA_ANALYTIC_VIEW_HIER_CLS_AE | 5-64 |
| 5.92 | DBA_ANALYTIC_VIEW_HIERS | 5-65 |
| 5.93 | DBA_ANALYTIC_VIEW_HIERS_AE | 5-65 |
| 5.94 | DBA_ANALYTIC_VIEW_KEYS | 5-65 |
| 5.95 | DBA_ANALYTIC_VIEW_KEYS_AE | 5-65 |
| 5.96 | DBA_ANALYTIC_VIEW_LEVEL_CLASS | 5-66 |
| 5.97 | DBA_ANALYTIC_VIEW_LEVELS | 5-66 |
| 5.98 | DBA_ANALYTIC_VIEW_LEVELS_AE | 5-66 |
| 5.99 | DBA_ANALYTIC_VIEW_LVL_CLS | 5-66 |
| 5.100 | DBA_ANALYTIC_VIEW_LVL_CLS_AE | 5-67 |
| 5.101 | DBA_ANALYTIC_VIEW_LVLGRPS | 5-67 |
| 5.102 | DBA_ANALYTIC_VIEW_LVLGRPS_AE | 5-67 |
| 5.103 | DBA_ANALYTIC_VIEW_MEAS_CLASS | 5-67 |
| 5.104 | DBA_ANALYTIC_VIEW_MEAS_CLS | 5-68 |
| 5.105 | DBA_ANALYTIC_VIEW_MEAS_CLS_AE | 5-68 |



| 5.106 | DBA_ANALYTIC_VIEWS | 5-68 |
|-------|--------------------------------|------|
| 5.107 | DBA_ANALYTIC_VIEWS_AE | 5-68 |
| 5.108 | DBA_ANNOTATION_VALUES | 5-69 |
| 5.109 | DBA_ANNOTATIONS | 5-69 |
| 5.110 | DBA_ANNOTATIONS_USAGE | 5-69 |
| 5.111 | DBA_APP_ERRORS | 5-70 |
| 5.112 | DBA_APP_ERRORS_HISTORY | 5-70 |
| 5.113 | DBA_APP_PATCHES | 5-70 |
| 5.114 | DBA_APP_PDB_STATUS | 5-71 |
| 5.115 | DBA_APP_STATEMENTS | 5-71 |
| 5.116 | DBA_APP_VERSIONS | 5-72 |
| 5.117 | DBA_APPLICATION_ROLES | 5-72 |
| 5.118 | DBA_APPLICATIONS | 5-73 |
| 5.119 | DBA_APPLY | 5-73 |
| 5.120 | DBA_APPLY_CHANGE_HANDLERS | 5-73 |
| 5.121 | DBA_APPLY_CONFLICT_COLUMNS | 5-74 |
| 5.122 | DBA_APPLY_DML_CONF_HANDLERS | 5-74 |
| 5.123 | DBA_APPLY_DML_HANDLERS | 5-74 |
| 5.124 | DBA_APPLY_ENQUEUE | 5-74 |
| 5.125 | DBA_APPLY_ERROR | 5-75 |
| 5.126 | DBA_APPLY_ERROR_MESSAGES | 5-75 |
| 5.127 | DBA_APPLY_EXECUTE | 5-75 |
| 5.128 | DBA_APPLY_HANDLE_COLLISIONS | 5-76 |
| 5.129 | DBA_APPLY_INSTANTIATED_GLOBAL | 5-76 |
| 5.130 | DBA_APPLY_INSTANTIATED_OBJECTS | 5-76 |
| 5.131 | DBA_APPLY_INSTANTIATED_SCHEMAS | 5-76 |
| 5.132 | DBA_APPLY_KEY_COLUMNS | 5-77 |
| 5.133 | DBA_APPLY_OBJECT_DEPENDENCIES | 5-77 |
| 5.134 | DBA_APPLY_PARAMETERS | 5-77 |
| 5.135 | DBA_APPLY_PROGRESS | 5-77 |
| 5.136 | DBA_APPLY_REPERROR_HANDLERS | 5-78 |
| 5.137 | DBA_APPLY_SPILL_TXN | 5-78 |
| 5.138 | DBA_APPLY_TABLE_COLUMNS | 5-78 |
| 5.139 | DBA_APPLY_VALUE_DEPENDENCIES | 5-79 |
| 5.140 | DBA_AQ_AGENT_PRIVS | 5-79 |
| 5.141 | DBA_AQ_AGENTS | 5-79 |
| 5.142 | DBA_ARGUMENTS | 5-80 |
| 5.143 | DBA_ASSEMBLIES | 5-80 |
| 5.144 | DBA_ASSOCIATIONS | 5-80 |
| 5.145 | DBA_ATTRIBUTE_DIM_ATTR_CLASS | 5-80 |
| 5.146 | DBA_ATTRIBUTE_DIM_ATTR_CLS | 5-81 |
| 5.147 | DBA_ATTRIBUTE_DIM_ATTR_CLS_AE | 5-81 |
| | | |



| 5.148 | DBA_ATTRIBUTE_DIM_ATTRS | 5-81 |
|-------|--------------------------------------|-------|
| 5.149 | DBA_ATTRIBUTE_DIM_ATTRS_AE | 5-81 |
| 5.150 | DBA_ATTRIBUTE_DIM_CLASS | 5-82 |
| 5.151 | DBA_ATTRIBUTE_DIM_CLASS_AE | 5-82 |
| 5.152 | DBA_ATTRIBUTE_DIM_JN_PTHS | 5-82 |
| 5.153 | DBA_ATTRIBUTE_DIM_JN_PTHS_AE | 5-82 |
| 5.154 | DBA_ATTRIBUTE_DIM_JOIN_PATHS | 5-83 |
| 5.155 | DBA_ATTRIBUTE_DIM_KEYS | 5-83 |
| 5.156 | DBA_ATTRIBUTE_DIM_KEYS_AE | 5-83 |
| 5.157 | DBA_ATTRIBUTE_DIM_LEVEL_ATTRS | 5-83 |
| 5.158 | DBA_ATTRIBUTE_DIM_LEVELS | 5-84 |
| 5.159 | DBA_ATTRIBUTE_DIM_LEVELS_AE | 5-84 |
| 5.160 | DBA_ATTRIBUTE_DIM_LVL_ATRS | 5-84 |
| 5.161 | DBA_ATTRIBUTE_DIM_LVL_ATRS_AE | 5-84 |
| 5.162 | DBA_ATTRIBUTE_DIM_LVL_CLASS | 5-85 |
| 5.163 | DBA_ATTRIBUTE_DIM_LVL_CLS | 5-85 |
| 5.164 | DBA_ATTRIBUTE_DIM_LVL_CLS_AE | 5-85 |
| 5.165 | DBA_ATTRIBUTE_DIM_ORD_ATRS | 5-85 |
| 5.166 | DBA_ATTRIBUTE_DIM_ORD_ATRS_AE | 5-86 |
| 5.167 | DBA_ATTRIBUTE_DIM_ORDER_ATTRS | 5-86 |
| 5.168 | DBA_ATTRIBUTE_DIM_TABLES | 5-86 |
| 5.169 | DBA_ATTRIBUTE_DIM_TABLES_AE | 5-86 |
| 5.170 | DBA_ATTRIBUTE_DIMENSIONS | 5-87 |
| 5.171 | DBA_ATTRIBUTE_DIMENSIONS_AE | 5-87 |
| 5.172 | DBA_ATTRIBUTE_TRANSFORMATIONS | 5-87 |
| 5.173 | DBA_AUDIT_EXISTS | 5-87 |
| 5.174 | DBA_AUDIT_MGMT_CLEAN_EVENTS | 5-91 |
| 5.175 | DBA_AUDIT_MGMT_CLEANUP_JOBS | 5-92 |
| 5.176 | DBA_AUDIT_MGMT_CONFIG_PARAMS | 5-93 |
| 5.177 | DBA_AUDIT_MGMT_LAST_ARCH_TS | 5-94 |
| 5.178 | DBA_AUDIT_OBJECT | 5-95 |
| 5.179 | DBA_AUDIT_POLICIES | 5-97 |
| 5.180 | DBA_AUDIT_POLICY_COLUMNS | 5-97 |
| 5.181 | DBA_AUDIT_SESSION | 5-97 |
| 5.182 | DBA_AUDIT_STATEMENT | 5-99 |
| 5.183 | DBA_AUDIT_TRAIL | 5-102 |
| 5.184 | DBA_AUTO_CLUSTERING_CONFIG | 5-107 |
| 5.185 | DBA_AUTO_CLUSTERING_RECOMMENDATIONS | 5-107 |
| 5.186 | DBA_AUTO_INDEX_CONFIG | 5-108 |
| 5.187 | DBA_AUTO_MV_ANALYSIS_ACTIONS | 5-109 |
| 5.188 | DBA_AUTO_MV_ANALYSIS_EXECUTIONS | 5-110 |
| 5.189 | DBA_AUTO_MV_ANALYSIS_RECOMMENDATIONS | 5-111 |



| 5.190 | DBA_AUTO_MV_ANALYSIS_REPORT | 5-112 |
|-------|------------------------------------|-------|
| 5.191 | DBA_AUTO_MV_ANALYSIS_TASK | 5-112 |
| 5.192 | DBA_AUTO_MV_CONFIG | 5-113 |
| 5.193 | DBA_AUTO_MV_MAINT_REPORT | 5-114 |
| 5.194 | DBA_AUTO_MV_REFRESH_HISTORY | 5-114 |
| 5.195 | DBA_AUTO_MV_VERIFICATION_REPORT | 5-115 |
| 5.196 | DBA_AUTO_MV_VERIFICATION_STATUS | 5-115 |
| 5.197 | DBA_AUTO_SEGADV_CTL | 5-115 |
| 5.198 | DBA_AUTO_SEGADV_SUMMARY | 5-116 |
| 5.199 | DBA_AUTO_STAT_EXECUTIONS | 5-116 |
| 5.200 | DBA_AUTO_STAT_OBJ_GATHER_DETAILS | 5-117 |
| 5.201 | DBA_AUTO_ZONEMAP_CONFIG | 5-119 |
| 5.202 | DBA_AUTOTASK_CLIENT | 5-119 |
| 5.203 | DBA_AUTOTASK_CLIENT_HISTORY | 5-120 |
| 5.204 | DBA_AUTOTASK_CLIENT_JOB | 5-121 |
| 5.205 | DBA_AUTOTASK_JOB_HISTORY | 5-121 |
| 5.206 | DBA_AUTOTASK_OPERATION | 5-122 |
| 5.207 | DBA_AUTOTASK_SCHEDULE | 5-122 |
| 5.208 | DBA_AUTOTASK_SCHEDULE_CONTROL | 5-123 |
| 5.209 | DBA_AUTOTASK_SETTINGS | 5-123 |
| 5.210 | DBA_AUTOTASK_STATUS | 5-124 |
| 5.211 | DBA_AUTOTASK_TASK | 5-124 |
| 5.212 | DBA_AUTOTASK_WINDOW_CLIENTS | 5-127 |
| 5.213 | DBA_AUTOTASK_WINDOW_HISTORY | 5-127 |
| 5.214 | DBA_AVTUNE_ARCHIVE_CACHE_LEVELS | 5-128 |
| 5.215 | DBA_AVTUNE_ARCHIVE_QUERIES | 5-128 |
| 5.216 | DBA_AVTUNE_ARCHIVE_QUERY_LEVELS | 5-128 |
| 5.217 | DBA_AVTUNE_ARCHIVE_QUERY_MEASURES | 5-129 |
| 5.218 | DBA_AVTUNE_ARCHIVES | 5-129 |
| 5.219 | DBA_AVTUNE_AV_AGG_CACHE_LEVELS | 5-130 |
| 5.220 | DBA_AVTUNE_AV_AGG_CACHES | 5-130 |
| 5.221 | DBA_AVTUNE_CALLBACK_ARGS | 5-130 |
| 5.222 | DBA_AVTUNE_ENABLED_AV_DIMENSIONS | 5-131 |
| 5.223 | DBA_AVTUNE_ENABLED_AVS | 5-131 |
| 5.224 | DBA_AVTUNE_ENABLED_DIMENSIONS | 5-132 |
| 5.225 | DBA_AW_PS | 5-132 |
| 5.226 | DBA_AWS | 5-132 |
| 5.227 | DBA_BASE_TABLE_MVIEWS | 5-132 |
| 5.228 | DBA_BLOCKCHAIN_ROW_VERSION_COLS | 5-133 |
| 5.229 | DBA_BLOCKCHAIN_ROW_VERSION_HISTORY | 5-133 |
| 5.230 | DBA_BLOCKCHAIN_TABLE_CHAINS | 5-133 |
| 5.231 | DBA_BLOCKCHAIN_TABLE_EPOCHS | 5-134 |



| 5.232 | DBA_BLOCKCHAIN_TABLE_HASH_COL_ORDER | 5-134 |
|-------|-------------------------------------|-------|
| 5.233 | DBA_BLOCKCHAIN_TABLES | 5-135 |
| 5.234 | DBA_BLOCKER_RESOLVER_PARAMETERS | 5-135 |
| 5.235 | DBA_BLOCKERS | 5-135 |
| 5.236 | DBA_CAPTURE | 5-136 |
| 5.237 | DBA_CAPTURE_EXTRA_ATTRIBUTES | 5-136 |
| 5.238 | DBA_CAPTURE_PARAMETERS | 5-136 |
| 5.239 | DBA_CAPTURE_PREPARED_DATABASE | 5-137 |
| 5.240 | DBA_CAPTURE_PREPARED_SCHEMAS | 5-137 |
| 5.241 | DBA_CAPTURE_PREPARED_TABLES | 5-137 |
| 5.242 | DBA_CATALOG | 5-137 |
| 5.243 | DBA_CDB_RSRC_PLAN_DIRECTIVES | 5-138 |
| 5.244 | DBA_CDB_RSRC_PLANS | 5-139 |
| 5.245 | DBA_CERTIFICATES | 5-139 |
| 5.246 | DBA_CHANGE_NOTIFICATION_REGS | 5-139 |
| 5.247 | DBA_CHECKED_ROLES | 5-140 |
| 5.248 | DBA_CHECKED_ROLES_PATH | 5-140 |
| 5.249 | DBA_CLU_COLUMNS | 5-141 |
| 5.250 | DBA_CLUSTER_HASH_EXPRESSIONS | 5-142 |
| 5.251 | DBA_CLUSTERING_DIMENSIONS | 5-142 |
| 5.252 | DBA_CLUSTERING_JOINS | 5-142 |
| 5.253 | DBA_CLUSTERING_KEYS | 5-143 |
| 5.254 | DBA_CLUSTERING_TABLES | 5-143 |
| 5.255 | DBA_CLUSTERS | 5-143 |
| 5.256 | DBA_CODE_ROLE_PRIVS | 5-143 |
| 5.257 | DBA_COL_COMMENTS | 5-144 |
| 5.258 | DBA_COL_PENDING_STATS | 5-144 |
| 5.259 | DBA_COL_PRIVS | 5-144 |
| 5.260 | DBA_COLL_TYPES | 5-145 |
| 5.261 | DBA_COMMON_AUDIT_TRAIL | 5-145 |
| 5.262 | DBA_COMPARISON | 5-149 |
| 5.263 | DBA_COMPARISON_COLUMNS | 5-150 |
| 5.264 | DBA_COMPARISON_ROW_DIF | 5-150 |
| 5.265 | DBA_COMPARISON_SCAN | 5-151 |
| 5.266 | DBA_COMPARISON_SCAN_VALUES | 5-152 |
| 5.267 | DBA_CONNECT_ROLE_GRANTEES | 5-152 |
| 5.268 | DBA_CONNECTION_TESTS | 5-152 |
| 5.269 | DBA_CONS_COLUMNS | 5-154 |
| 5.270 | DBA_CONS_OBJ_COLUMNS | 5-154 |
| 5.271 | DBA_CONSTRAINTS | 5-154 |
| 5.272 | DBA_CONTAINER_DATA | 5-154 |
| 5.273 | DBA_CONTEXT | 5-155 |
| | | |



| 5.274 | DBA_CPOOL_INFO | 5-156 |
|-------|-------------------------------|-------|
| 5.275 | DBA_CPU_USAGE_STATISTICS | 5-157 |
| 5.276 | DBA_CQ_NOTIFICATION_QUERIES | 5-158 |
| 5.277 | DBA_CREDENTIALS | 5-158 |
| 5.278 | DBA_CUBE_ATTR_VISIBILITY | 5-158 |
| 5.279 | DBA_CUBE_ATTRIBUTES | 5-159 |
| 5.280 | DBA_CUBE_BUILD_PROCESSES | 5-159 |
| 5.281 | DBA_CUBE_CALCULATED_MEMBERS | 5-159 |
| 5.282 | DBA_CUBE_DIM_LEVELS | 5-159 |
| 5.283 | DBA_CUBE_DIM_MODELS | 5-160 |
| 5.284 | DBA_CUBE_DIM_VIEW_COLUMNS | 5-160 |
| 5.285 | DBA_CUBE_DIM_VIEWS | 5-160 |
| 5.286 | DBA_CUBE_DIMENSIONALITY | 5-160 |
| 5.287 | DBA_CUBE_DIMENSIONS | 5-161 |
| 5.288 | DBA_CUBE_HIER_LEVELS | 5-161 |
| 5.289 | DBA_CUBE_HIER_VIEW_COLUMNS | 5-161 |
| 5.290 | DBA_CUBE_HIER_VIEWS | 5-161 |
| 5.291 | DBA_CUBE_HIERARCHIES | 5-162 |
| 5.292 | DBA_CUBE_MEASURES | 5-162 |
| 5.293 | DBA_CUBE_NAMED_BUILD_SPECS | 5-162 |
| 5.294 | DBA_CUBE_SUB_PARTITION_LEVELS | 5-162 |
| 5.295 | DBA_CUBE_VIEW_COLUMNS | 5-163 |
| 5.296 | DBA_CUBE_VIEWS | 5-163 |
| 5.297 | DBA_CUBES | 5-163 |
| 5.298 | DBA_DATA_FILES | 5-163 |
| 5.299 | DBA_DATAPUMP_JOBS | 5-165 |
| 5.300 | DBA_DATAPUMP_SESSIONS | 5-165 |
| 5.301 | DBA_DB_LINK_SOURCES | 5-166 |
| 5.302 | DBA_DB_LINKS | 5-167 |
| 5.303 | DBA_DBFS_HS | 5-168 |
| 5.304 | DBA_DBFS_HS_COMMANDS | 5-168 |
| 5.305 | DBA_DBFS_HS_FIXED_PROPERTIES | 5-169 |
| 5.306 | DBA_DBFS_HS_PROPERTIES | 5-169 |
| 5.307 | DBA_DDL_LOCKS | 5-170 |
| 5.308 | DBA_DDL_REGS | 5-170 |
| 5.309 | DBA_DEPENDENCIES | 5-171 |
| 5.310 | DBA_DIGEST_VERIFIERS | 5-171 |
| 5.311 | DBA_DIM_ATTRIBUTES | 5-172 |
| 5.312 | DBA_DIM_CHILD_OF | 5-172 |
| 5.313 | DBA_DIM_HIERARCHIES | 5-172 |
| 5.314 | DBA_DIM_JOIN_KEY | 5-173 |
| 5.315 | DBA_DIM_LEVEL_KEY | 5-173 |



| 5.316 | DBA_DIM_LEVELS | 5-173 |
|-------|-------------------------------|-------|
| 5.317 | DBA_DIMENSIONS | 5-173 |
| 5.318 | DBA_DIRECTORIES | 5-174 |
| 5.319 | DBA_DISCOVERY_SOURCE | 5-174 |
| 5.320 | DBA_DML_LOCKS | 5-174 |
| 5.321 | DBA_DMT_FREE_SPACE | 5-175 |
| 5.322 | DBA_DMT_USED_EXTENTS | 5-175 |
| 5.323 | DBA_DOMAIN_COLS | 5-176 |
| 5.324 | DBA_DOMAIN_CONSTRAINTS | 5-176 |
| 5.325 | DBA_DOMAINS | 5-177 |
| 5.326 | DBA_EDITION_COMMENTS | 5-177 |
| 5.327 | DBA_EDITIONED_TYPES | 5-177 |
| 5.328 | DBA_EDITIONING_VIEW_COLS | 5-178 |
| 5.329 | DBA_EDITIONING_VIEW_COLS_AE | 5-178 |
| 5.330 | DBA_EDITIONING_VIEWS | 5-178 |
| 5.331 | DBA_EDITIONING_VIEWS_AE | 5-178 |
| 5.332 | DBA_EDITIONS | 5-179 |
| 5.333 | DBA_ENABLED_AGGREGATIONS | 5-179 |
| 5.334 | DBA_ENABLED_TRACES | 5-179 |
| 5.335 | DBA_ENCRYPTED_COLUMNS | 5-180 |
| 5.336 | DBA_EPG_DAD_AUTHORIZATION | 5-180 |
| 5.337 | DBA_ERROR_TRANSLATIONS | 5-181 |
| 5.338 | DBA_ERRORS | 5-181 |
| 5.339 | DBA_ERRORS_AE | 5-181 |
| 5.340 | DBA_EVALUATION_CONTEXT_TABLES | 5-182 |
| 5.341 | DBA_EVALUATION_CONTEXT_VARS | 5-182 |
| 5.342 | DBA_EVALUATION_CONTEXTS | 5-182 |
| 5.343 | DBA_EXP_FILES | 5-182 |
| 5.344 | DBA_EXP_OBJECTS | 5-183 |
| 5.345 | DBA_EXP_VERSION | 5-183 |
| 5.346 | DBA_EXPRESSION_STATISTICS | 5-183 |
| 5.347 | DBA_EXTENTS | 5-183 |
| 5.348 | DBA_EXTERNAL_LOCATIONS | 5-184 |
| 5.349 | DBA_EXTERNAL_SCN_ACTIVITY | 5-184 |
| 5.350 | DBA_EXTERNAL_TABLES | 5-186 |
| 5.351 | DBA_FEATURE_USAGE_STATISTICS | 5-187 |
| 5.352 | DBA_FGA_AUDIT_TRAIL | 5-188 |
| 5.353 | DBA_FLASHBACK_ARCHIVE | 5-189 |
| 5.354 | DBA_FLASHBACK_ARCHIVE_TABLES | 5-190 |
| 5.355 | DBA_FLASHBACK_ARCHIVE_TS | 5-190 |
| 5.356 | DBA_FLASHBACK_TXN_REPORT | 5-191 |
| 5.357 | DBA_FLASHBACK_TXN_STATE | 5-191 |
| | | |



| 5.358 | DBA_FREE_SPACE | 5-192 |
|-------|--------------------------------|-------|
| 5.359 | DBA_FREE_SPACE_COALESCED | 5-193 |
| 5.360 | DBA_GG_AUTO_CDR_COLUMN_GROUPS | 5-193 |
| 5.361 | DBA_GG_AUTO_CDR_COLUMNS | 5-193 |
| 5.362 | DBA_GG_AUTO_CDR_TABLES | 5-194 |
| 5.363 | DBA_GG_INBOUND_PROGRESS | 5-194 |
| 5.364 | DBA_GG_PROC_OBJECT_EXCLUSION | 5-194 |
| 5.365 | DBA_GG_PROCEDURE_ANNOTATION | 5-194 |
| 5.366 | DBA_GG_SUPPORTED_PACKAGES | 5-195 |
| 5.367 | DBA_GG_SUPPORTED_PROCEDURES | 5-195 |
| 5.368 | DBA_GLOBAL_CONTEXT | 5-196 |
| 5.369 | DBA_GOLDENGATE_INBOUND | 5-196 |
| 5.370 | DBA_GOLDENGATE_NOT_UNIQUE | 5-196 |
| 5.371 | DBA_GOLDENGATE_PRIVILEGES | 5-197 |
| 5.372 | DBA_GOLDENGATE_RULES | 5-197 |
| 5.373 | DBA_GOLDENGATE_SUPPORT_MODE | 5-197 |
| 5.374 | DBA_HANG_MANAGER_PARAMETERS | 5-198 |
| 5.375 | DBA_HEAT_MAP_SEG_HISTOGRAM | 5-199 |
| 5.376 | DBA_HEAT_MAP_SEGMENT | 5-199 |
| 5.377 | DBA_HEATMAP_TOP_OBJECTS | 5-199 |
| 5.378 | DBA_HEATMAP_TOP_TABLESPACES | 5-200 |
| 5.379 | DBA_HIER_CLASS | 5-200 |
| 5.380 | DBA_HIER_CLASS_AE | 5-201 |
| 5.381 | DBA_HIER_COLUMNS | 5-201 |
| 5.382 | DBA_HIER_COLUMNS_AE | 5-201 |
| 5.383 | DBA_HIER_HIER_ATTR_CLASS | 5-201 |
| 5.384 | DBA_HIER_HIER_ATTR_CLASS_AE | 5-202 |
| 5.385 | DBA_HIER_HIER_ATTRIBUTES | 5-202 |
| 5.386 | DBA_HIER_HIER_ATTRIBUTES_AE | 5-202 |
| 5.387 | DBA_HIER_JOIN_PATHS | 5-202 |
| 5.388 | DBA_HIER_JOIN_PATHS_AE | 5-203 |
| 5.389 | DBA_HIER_LEVEL_ID_ATTRS | 5-203 |
| 5.390 | DBA_HIER_LEVEL_ID_ATTRS_AE | 5-203 |
| 5.391 | DBA_HIER_LEVELS | 5-203 |
| 5.392 | DBA_HIER_LEVELS_AE | 5-204 |
| 5.393 | DBA_HIERARCHIES | 5-204 |
| 5.394 | DBA_HIERARCHIES_AE | 5-204 |
| 5.395 | DBA_HIGH_WATER_MARK_STATISTICS | 5-204 |
| 5.396 | DBA_HIST_ACTIVE_SESS_HISTORY | 5-205 |
| 5.397 | DBA_HIST_APPLY_SUMMARY | 5-211 |
| 5.398 | DBA_HIST_ASH_SNAPSHOT | 5-213 |
| 5.399 | DBA_HIST_BASELINE | 5-214 |



| 5.400 | DBA_HIST_BASELINE_DETAILS | 5-215 |
|-------|-------------------------------|-------|
| 5.401 | DBA_HIST_BASELINE_METADATA | 5-216 |
| 5.402 | DBA_HIST_BASELINE_TEMPLATE | 5-216 |
| 5.403 | DBA_HIST_BG_EVENT_SUMMARY | 5-218 |
| 5.404 | DBA_HIST_BUFFER_POOL_STAT | 5-218 |
| 5.405 | DBA_HIST_BUFFERED_QUEUES | 5-219 |
| 5.406 | DBA_HIST_BUFFERED_SUBSCRIBERS | 5-221 |
| 5.407 | DBA_HIST_CAPTURE | 5-222 |
| 5.408 | DBA_HIST_CHANNEL_WAITS | 5-223 |
| 5.409 | DBA_HIST_CLUSTER_INTERCON | 5-224 |
| 5.410 | DBA_HIST_COLORED_SQL | 5-224 |
| 5.411 | DBA_HIST_COMP_IOSTAT | 5-225 |
| 5.412 | DBA_HIST_CON_SYS_TIME_MODEL | 5-226 |
| 5.413 | DBA_HIST_CON_SYSMETRIC_HIST | 5-226 |
| 5.414 | DBA_HIST_CON_SYSMETRIC_SUMM | 5-227 |
| 5.415 | DBA_HIST_CON_SYSSTAT | 5-228 |
| 5.416 | DBA_HIST_CON_SYSTEM_EVENT | 5-229 |
| 5.417 | DBA_HIST_CR_BLOCK_SERVER | 5-230 |
| 5.418 | DBA_HIST_CURRENT_BLOCK_SERVER | 5-231 |
| 5.419 | DBA_HIST_DATABASE_INSTANCE | 5-232 |
| 5.420 | DBA_HIST_DATAFILE | 5-234 |
| 5.421 | DBA_HIST_DB_CACHE_ADVICE | 5-234 |
| 5.422 | DBA_HIST_DISPATCHER | 5-235 |
| 5.423 | DBA_HIST_DLM_MISC | 5-236 |
| 5.424 | DBA_HIST_DYN_REMASTER_STATS | 5-237 |
| 5.425 | DBA_HIST_ENQUEUE_STAT | 5-238 |
| 5.426 | DBA_HIST_EVENT_HISTOGRAM | 5-239 |
| 5.427 | DBA_HIST_EVENT_NAME | 5-240 |
| 5.428 | DBA_HIST_FILEMETRIC_HISTORY | 5-241 |
| 5.429 | DBA_HIST_FILESTATXS | 5-241 |
| 5.430 | DBA_HIST_IC_CLIENT_STATS | 5-243 |
| 5.431 | DBA_HIST_IC_DEVICE_STATS | 5-243 |
| 5.432 | DBA_HIST_IM_SEG_STAT | 5-244 |
| 5.433 | DBA_HIST_IM_SEG_STAT_OBJ | 5-245 |
| 5.434 | DBA_HIST_INST_CACHE_TRANSFER | 5-246 |
| 5.435 | DBA_HIST_INSTANCE_RECOVERY | 5-248 |
| 5.436 | DBA_HIST_INTERCONNECT_PINGS | 5-250 |
| 5.437 | DBA_HIST_IOSTAT_DETAIL | 5-251 |
| 5.438 | DBA_HIST_IOSTAT_FILETYPE | 5-252 |
| 5.439 | DBA_HIST_IOSTAT_FILETYPE_NAME | 5-253 |
| 5.440 | DBA_HIST_IOSTAT_FUNCTION | 5-254 |
| 5.441 | DBA_HIST_IOSTAT_FUNCTION_NAME | 5-255 |



6 Static Data Dictionary Views: DBA_HIST_LATCH to DBA_STORED_SETTINGS

| 6.1 | DBA_HIST_LATCH | 6-1 |
|------|--------------------------------|------|
| 6.2 | DBA_HIST_LATCH_CHILDREN | 6-2 |
| 6.3 | DBA_HIST_LATCH_MISSES_SUMMARY | 6-3 |
| 6.4 | DBA_HIST_LATCH_NAME | 6-4 |
| 6.5 | DBA_HIST_LATCH_PARENT | 6-5 |
| 6.6 | DBA_HIST_LIBRARYCACHE | 6-6 |
| 6.7 | DBA_HIST_LOG | 6-7 |
| 6.8 | DBA_HIST_MEM_DYNAMIC_COMP | 6-8 |
| 6.9 | DBA_HIST_MEMORY_RESIZE_OPS | 6-9 |
| 6.10 | DBA_HIST_MEMORY_TARGET_ADVICE | 6-10 |
| 6.11 | DBA_HIST_METRIC_NAME | 6-11 |
| 6.12 | DBA_HIST_MTTR_TARGET_ADVICE | 6-12 |
| 6.13 | DBA_HIST_MUTEX_SLEEP | 6-13 |
| 6.14 | DBA_HIST_OPTIMIZER_ENV | 6-13 |
| 6.15 | DBA_HIST_OPTIMIZER_ENV_DETAILS | 6-14 |
| 6.16 | DBA_HIST_OSSTAT | 6-15 |
| 6.17 | DBA_HIST_OSSTAT_NAME | 6-15 |
| 6.18 | DBA_HIST_PARAMETER | 6-16 |
| 6.19 | DBA_HIST_PARAMETER_NAME | 6-17 |
| 6.20 | DBA_HIST_PDB_IN_SNAP | 6-18 |
| 6.21 | DBA_HIST_PDB_INSTANCE | 6-18 |
| 6.22 | DBA_HIST_PERSISTENT_QMN_CACHE | 6-19 |
| 6.23 | DBA_HIST_PERSISTENT_QUEUES | 6-20 |
| 6.24 | DBA_HIST_PERSISTENT_SUBS | 6-22 |
| 6.25 | DBA_HIST_PGA_TARGET_ADVICE | 6-23 |
| 6.26 | DBA_HIST_PGASTAT | 6-24 |
| 6.27 | DBA_HIST_PLAN_OPERATION_NAME | 6-25 |
| 6.28 | DBA_HIST_PLAN_OPTION_NAME | 6-26 |
| 6.29 | DBA_HIST_PROCESS_MEM_SUMMARY | 6-26 |
| 6.30 | DBA_HIST_PROCESS_WAITTIME | 6-27 |
| 6.31 | DBA_HIST_RECOVERY_PROGRESS | 6-28 |
| 6.32 | DBA_HIST_REPLICATION_TBL_STATS | 6-29 |
| 6.33 | DBA_HIST_REPLICATION_TXN_STATS | 6-30 |
| 6.34 | DBA_HIST_REPORTS | 6-30 |
| 6.35 | DBA_HIST_REPORTS_CONTROL | 6-32 |
| 6.36 | DBA_HIST_REPORTS_DETAILS | 6-32 |
| 6 37 | DBA HIST REPORTS TIMEBANDS | 6-33 |



| 6.38 | DBA_HIST_RESOURCE_LIMIT | 6-34 |
|------|--------------------------------|------|
| 6.39 | DBA_HIST_ROWCACHE_SUMMARY | 6-35 |
| 6.40 | DBA_HIST_RSRC_CONSUMER_GROUP | 6-36 |
| 6.41 | DBA_HIST_RSRC_METRIC | 6-38 |
| 6.42 | DBA_HIST_RSRC_PDB_METRIC | 6-40 |
| 6.43 | DBA_HIST_RSRC_PLAN | 6-42 |
| 6.44 | DBA_HIST_RULE_SET | 6-43 |
| 6.45 | DBA_HIST_SAGAS | 6-44 |
| 6.46 | DBA_HIST_SEG_STAT | 6-45 |
| 6.47 | DBA_HIST_SEG_STAT_OBJ | 6-47 |
| 6.48 | DBA_HIST_SERVICE_NAME | 6-48 |
| 6.49 | DBA_HIST_SERVICE_STAT | 6-49 |
| 6.50 | DBA_HIST_SERVICE_WAIT_CLASS | 6-49 |
| 6.51 | DBA_HIST_SESS_SGA_STATS | 6-50 |
| 6.52 | DBA_HIST_SESS_TIME_STATS | 6-51 |
| 6.53 | DBA_HIST_SESSMETRIC_HISTORY | 6-52 |
| 6.54 | DBA_HIST_SGA | 6-53 |
| 6.55 | DBA_HIST_SGA_TARGET_ADVICE | 6-53 |
| 6.56 | DBA_HIST_SGASTAT | 6-54 |
| 6.57 | DBA_HIST_SHARED_POOL_ADVICE | 6-55 |
| 6.58 | DBA_HIST_SHARED_SERVER_SUMMARY | 6-56 |
| 6.59 | DBA_HIST_SNAP_ERROR | 6-58 |
| 6.60 | DBA_HIST_SNAPSHOT | 6-58 |
| 6.61 | DBA_HIST_SQL_BIND_METADATA | 6-59 |
| 6.62 | DBA_HIST_SQL_PLAN | 6-60 |
| 6.63 | DBA_HIST_SQL_SUMMARY | 6-63 |
| 6.64 | DBA_HIST_SQL_WORKAREA_HSTGRM | 6-63 |
| 6.65 | DBA_HIST_SQLBIND | 6-64 |
| 6.66 | DBA_HIST_SQLCOMMAND_NAME | 6-65 |
| 6.67 | DBA_HIST_SQLSTAT | 6-66 |
| 6.68 | DBA_HIST_SQLTEXT | 6-70 |
| 6.69 | DBA_HIST_STAT_NAME | 6-71 |
| 6.70 | DBA_HIST_STREAMS_APPLY_SUM | 6-72 |
| 6.71 | DBA_HIST_STREAMS_CAPTURE | 6-73 |
| 6.72 | DBA_HIST_STREAMS_POOL_ADVICE | 6-74 |
| 6.73 | DBA_HIST_SYS_TIME_MODEL | 6-74 |
| 6.74 | DBA_HIST_SYSMETRIC_HISTORY | 6-75 |
| 6.75 | DBA_HIST_SYSMETRIC_SUMMARY | 6-76 |
| 6.76 | DBA_HIST_SYSSTAT | 6-77 |
| 6.77 | DBA_HIST_SYSTEM_EVENT | 6-78 |
| 6.78 | DBA_HIST_TABLESPACE | 6-79 |
| 6.79 | DBA_HIST_TABLESPACE_STAT | 6-79 |



| 6.80 | DBA_HIST_TBSPC_SPACE_USAGE | 6-80 |
|-------|-----------------------------------|-------|
| 6.81 | DBA_HIST_TEMPFILE | 6-81 |
| 6.82 | DBA_HIST_TEMPSTATXS | 6-81 |
| 6.83 | DBA_HIST_THREAD | 6-83 |
| 6.84 | DBA_HIST_TOPLEVELCALL_NAME | 6-83 |
| 6.85 | DBA_HIST_UNDOSTAT | 6-84 |
| 6.86 | DBA_HIST_WAITCLASSMET_HISTORY | 6-85 |
| 6.87 | DBA_HIST_WAITSTAT | 6-86 |
| 6.88 | DBA_HIST_WR_CONTROL | 6-87 |
| 6.89 | DBA_HIST_WR_SETTINGS | 6-88 |
| 6.90 | DBA_HISTOGRAMS | 6-88 |
| 6.91 | DBA_HIVE_COLUMNS | 6-88 |
| 6.92 | DBA_HIVE_DATABASES | 6-89 |
| 6.93 | DBA_HIVE_PART_KEY_COLUMNS | 6-89 |
| 6.94 | DBA_HIVE_TAB_PARTITIONS | 6-89 |
| 6.95 | DBA_HIVE_TABLES | 6-89 |
| 6.96 | DBA_HOST_ACES | 6-90 |
| 6.97 | DBA_HOST_ACLS | 6-90 |
| 6.98 | DBA_IDENTIFIERS | 6-91 |
| 6.99 | DBA_ILMDATAMOVEMENTPOLICIES | 6-91 |
| 6.100 | DBA_ILMEVALUATIONDETAILS | 6-92 |
| 6.101 | DBA_ILMOBJECTS | 6-93 |
| 6.102 | DBA_ILMPARAMETERS | 6-95 |
| 6.103 | DBA_ILMPOLICIES | 6-95 |
| 6.104 | DBA_ILMRESULTS | 6-96 |
| 6.105 | DBA_ILMTASKS | 6-97 |
| 6.106 | DBA_IM_EXPRESSIONS | 6-98 |
| 6.107 | DBA_IMMUTABLE_ROW_VERSION_COLS | 6-99 |
| 6.108 | DBA_IMMUTABLE_ROW_VERSION_HISTORY | 6-99 |
| 6.109 | DBA_IMMUTABLE_TABLE_COLUMNS | 6-99 |
| 6.110 | DBA_IMMUTABLE_TABLE_EPOCHS | 6-100 |
| 6.111 | DBA_IMMUTABLE_TABLES | 6-100 |
| 6.112 | DBA_INCOMPLETE_SAGAS | 6-100 |
| 6.113 | DBA_IND_COLUMNS | 6-101 |
| 6.114 | DBA_IND_EXPRESSIONS | 6-101 |
| 6.115 | DBA_IND_PARTITIONS | 6-101 |
| 6.116 | DBA_IND_PENDING_STATS | 6-102 |
| 6.117 | DBA_IND_STATISTICS | 6-102 |
| 6.118 | DBA_IND_SUBPARTITIONS | 6-102 |
| 6.119 | DBA_INDEX_USAGE | 6-102 |
| 6.120 | DBA_INDEXES | 6-103 |
| 6.121 | DBA_INDEXTYPE_ARRAYTYPES | 6-104 |



| 6.122 | DBA_INDEXTYPE_COMMENTS | 6-104 |
|-------|-------------------------------------|-------|
| 6.123 | DBA_INDEXTYPE_OPERATORS | 6-104 |
| 6.124 | DBA_INDEXTYPES | 6-104 |
| 6.125 | DBA_INMEMORY_ADVISOR_RECOMMENDATION | 6-105 |
| 6.126 | DBA_INMEMORY_AIMTASKDETAILS | 6-105 |
| 6.127 | DBA_INMEMORY_AIMTASKS | 6-106 |
| 6.128 | DBA_INTERNAL_TRIGGERS | 6-106 |
| 6.129 | DBA_INVALID_OBJECTS | 6-106 |
| 6.130 | DBA_JAVA_ARGUMENTS | 6-108 |
| 6.131 | DBA_JAVA_CLASSES | 6-108 |
| 6.132 | DBA_JAVA_COMPILER_OPTIONS | 6-109 |
| 6.133 | DBA_JAVA_DERIVATIONS | 6-109 |
| 6.134 | DBA_JAVA_FIELDS | 6-109 |
| 6.135 | DBA_JAVA_IMPLEMENTS | 6-109 |
| 6.136 | DBA_JAVA_INNERS | 6-110 |
| 6.137 | DBA_JAVA_LAYOUTS | 6-110 |
| 6.138 | DBA_JAVA_METHODS | 6-110 |
| 6.139 | DBA_JAVA_NCOMPS | 6-110 |
| 6.140 | DBA_JAVA_POLICY | 6-111 |
| 6.141 | DBA_JAVA_RESOLVERS | 6-111 |
| 6.142 | DBA_JAVA_THROWS | 6-112 |
| 6.143 | DBA_JOBS | 6-112 |
| 6.144 | DBA_JOBS_RUNNING | 6-113 |
| 6.145 | DBA_JOIN_IND_COLUMNS | 6-113 |
| 6.146 | DBA_JOINGROUPS | 6-114 |
| 6.147 | DBA_JSON_COLLECTION_TABLES | 6-115 |
| 6.148 | DBA_JSON_COLLECTION_VIEWS | 6-115 |
| 6.149 | DBA_JSON_COLLECTIONS | 6-116 |
| 6.150 | DBA_JSON_COLUMNS | 6-116 |
| 6.151 | DBA_JSON_DATAGUIDE_FIELDS | 6-116 |
| 6.152 | DBA_JSON_DATAGUIDES | 6-117 |
| 6.153 | DBA_JSON_DOMAIN_SCHEMA_COLUMNS | 6-117 |
| 6.154 | DBA_JSON_DUALITY_VIEW_LINKS | 6-117 |
| 6.155 | DBA_JSON_DUALITY_VIEW_TAB_COLS | 6-118 |
| 6.156 | DBA_JSON_DUALITY_VIEW_TABS | 6-118 |
| 6.157 | DBA_JSON_DUALITY_VIEWS | 6-118 |
| 6.158 | DBA_JSON_INDEXES | 6-119 |
| 6.159 | DBA_JSON_SCHEMA_COLUMNS | 6-119 |
| 6.160 | DBA_KAFKA_APPLICATIONS | 6-119 |
| 6.161 | DBA_KAFKA_CLUSTERS | 6-121 |
| 6.162 | DBA_KAFKA_LOAD_METRICS | 6-122 |
| 6.163 | DBA_KAFKA_OPS | 6-123 |



| 6.164 | DBA_KAFKA_OPS_RESULTS | 6-124 |
|-------|--------------------------------|-------|
| 6.165 | DBA_KAFKA_PARTITIONS | 6-124 |
| 6.166 | DBA_KGLLOCK | 6-125 |
| 6.167 | DBA_LIBRARIES | 6-126 |
| 6.168 | DBA_LMT_FREE_SPACE | 6-126 |
| 6.169 | DBA_LMT_USED_EXTENTS | 6-126 |
| 6.170 | DBA_LOB_PARTITIONS | 6-127 |
| 6.171 | DBA_LOB_SUBPARTITIONS | 6-127 |
| 6.172 | DBA_LOB_TEMPLATES | 6-127 |
| 6.173 | DBA_LOBS | 6-127 |
| 6.174 | DBA_LOCK | 6-128 |
| 6.175 | DBA_LOCK_INTERNAL | 6-128 |
| 6.176 | DBA_LOCKDOWN_PROFILES | 6-129 |
| 6.177 | DBA_LOCKS | 6-130 |
| 6.178 | DBA_LOG_GROUP_COLUMNS | 6-130 |
| 6.179 | DBA_LOG_GROUPS | 6-130 |
| 6.180 | DBA_LOGMNR_DICTIONARY_BUILDLOG | 6-131 |
| 6.181 | DBA_LOGMNR_LOG | 6-131 |
| 6.182 | DBA_LOGMNR_PURGED_LOG | 6-132 |
| 6.183 | DBA_LOGMNR_SESSION | 6-132 |
| 6.184 | DBA_LOGSTDBY_EVENTS | 6-133 |
| 6.185 | DBA_LOGSTDBY_HISTORY | 6-134 |
| 6.186 | DBA_LOGSTDBY_LOG | 6-136 |
| 6.187 | DBA_LOGSTDBY_NOT_UNIQUE | 6-137 |
| 6.188 | DBA_LOGSTDBY_PARAMETERS | 6-138 |
| 6.189 | DBA_LOGSTDBY_PLSQL_MAP | 6-140 |
| 6.190 | DBA_LOGSTDBY_PLSQL_SUPPORT | 6-140 |
| 6.191 | DBA_LOGSTDBY_PROGRESS | 6-141 |
| 6.192 | DBA_LOGSTDBY_SKIP | 6-141 |
| 6.193 | DBA_LOGSTDBY_SKIP_TRANSACTION | 6-142 |
| 6.194 | DBA_LOGSTDBY_SUPPORT_MODE | 6-142 |
| 6.195 | DBA_LOGSTDBY_UNSUPPORTED | 6-143 |
| 6.196 | DBA_LOGSTDBY_UNSUPPORTED_TABLE | 6-144 |
| 6.197 | DBA_MEASURE_FOLDER_CONTENTS | 6-145 |
| 6.198 | DBA_MEASURE_FOLDER_SUBFOLDERS | 6-145 |
| 6.199 | DBA_MEASURE_FOLDERS | 6-145 |
| 6.200 | DBA_METADATA_PROPERTIES | 6-145 |
| 6.201 | DBA_METHOD_PARAMS | 6-146 |
| 6.202 | DBA_METHOD_RESULTS | 6-146 |
| 6.203 | DBA_MINING_MODEL_ATTRIBUTES | 6-146 |
| 6.204 | DBA_MINING_MODEL_PARTITIONS | 6-146 |
| 6.205 | DBA_MINING_MODEL_SETTINGS | 6-147 |
| | | |



| 6.206 | DBA_MINING_MODEL_TABLES | 6-147 |
|-------|------------------------------------|-------|
| 6.207 | DBA_MINING_MODEL_VIEWS | 6-147 |
| 6.208 | DBA_MINING_MODEL_XFORMS | 6-148 |
| 6.209 | DBA_MINING_MODELS | 6-148 |
| 6.210 | DBA_MLE_ENV_IMPORTS | 6-148 |
| 6.211 | DBA_MLE_ENVS | 6-149 |
| 6.212 | DBA_MLE_MODULES | 6-149 |
| 6.213 | DBA_MLE_PROCEDURES | 6-149 |
| 6.214 | DBA_MVIEW_AGGREGATES | 6-150 |
| 6.215 | DBA_MVIEW_ANALYSIS | 6-150 |
| 6.216 | DBA_MVIEW_COMMENTS | 6-150 |
| 6.217 | DBA_MVIEW_DETAIL_LOGICAL_PARTITION | 6-151 |
| 6.218 | DBA_MVIEW_DETAIL_PARTITION | 6-151 |
| 6.219 | DBA_MVIEW_DETAIL_RELATIONS | 6-151 |
| 6.220 | DBA_MVIEW_DETAIL_SUBPARTITION | 6-151 |
| 6.221 | DBA_MVIEW_JOINS | 6-152 |
| 6.222 | DBA_MVIEW_KEYS | 6-152 |
| 6.223 | DBA_MVIEW_LOG_FILTER_COLS | 6-152 |
| 6.224 | DBA_MVIEW_LOGS | 6-152 |
| 6.225 | DBA_MVIEW_REFRESH_TIMES | 6-153 |
| 6.226 | DBA_MVIEWS | 6-153 |
| 6.227 | DBA_MVREF_CHANGE_STATS | 6-153 |
| 6.228 | DBA_MVREF_RUN_STATS | 6-154 |
| 6.229 | DBA_MVREF_STATS | 6-155 |
| 6.230 | DBA_MVREF_STATS_PARAMS | 6-156 |
| 6.231 | DBA_MVREF_STATS_SYS_DEFAULTS | 6-157 |
| 6.232 | DBA_MVREF_STMT_STATS | 6-157 |
| 6.233 | DBA_NESTED_TABLE_COLS | 6-158 |
| 6.234 | DBA_NESTED_TABLES | 6-158 |
| 6.235 | DBA_NETWORK_ACL_PRIVILEGES | 6-159 |
| 6.236 | DBA_NETWORK_ACLS | 6-159 |
| 6.237 | DBA_OBJ_AUDIT_OPTS | 6-160 |
| 6.238 | DBA_OBJ_COLATTRS | 6-161 |
| 6.239 | DBA_OBJECT_SIZE | 6-161 |
| 6.240 | DBA_OBJECT_TABLES | 6-162 |
| 6.241 | DBA_OBJECT_USAGE | 6-162 |
| 6.242 | DBA_OBJECTS | 6-163 |
| 6.243 | DBA_OBJECTS_AE | 6-163 |
| 6.244 | DBA_OGG_AUTO_CAPTURED_TABLES | 6-164 |
| 6.245 | DBA_OPANCILLARY | 6-164 |
| 6.246 | DBA_OPARGUMENTS | 6-164 |
| 6.247 | DBA_OPBINDINGS | 6-165 |
| | | |



| 6.248 | DBA_OPERATOR_COMMENTS | 6-165 |
|-------|-----------------------------|-------|
| 6.249 | DBA_OPERATORS | 6-165 |
| 6.250 | DBA_OPTSTAT_OPERATION_TASKS | 6-165 |
| 6.251 | DBA_OPTSTAT_OPERATIONS | 6-167 |
| 6.252 | DBA_ORPHAN_KEY_TABLE | 6-167 |
| 6.253 | DBA_OUTLINE_HINTS | 6-168 |
| 6.254 | DBA_OUTLINES | 6-169 |
| 6.255 | DBA_OUTSTANDING_ALERTS | 6-169 |
| 6.256 | DBA_PARALLEL_EXECUTE_CHUNKS | 6-171 |
| 6.257 | DBA_PARALLEL_EXECUTE_TASKS | 6-171 |
| 6.258 | DBA_PART_COL_STATISTICS | 6-173 |
| 6.259 | DBA_PART_HISTOGRAMS | 6-173 |
| 6.260 | DBA_PART_INDEXES | 6-173 |
| 6.261 | DBA_PART_KEY_COLUMNS | 6-173 |
| 6.262 | DBA_PART_LOBS | 6-174 |
| 6.263 | DBA_PART_TABLES | 6-174 |
| 6.264 | DBA_PARTIAL_DROP_TABS | 6-174 |
| 6.265 | DBA_PDB_HISTORY | 6-174 |
| 6.266 | DBA_PDB_SAVED_STATES | 6-175 |
| 6.267 | DBA_PDB_SNAPSHOTFILE | 6-176 |
| 6.268 | DBA_PDB_SNAPSHOTS | 6-176 |
| 6.269 | DBA_PDBS | 6-177 |
| 6.270 | DBA_PENDING_CONV_TABLES | 6-180 |
| 6.271 | DBA_PENDING_TRANSACTIONS | 6-180 |
| 6.272 | DBA_PG_EDGE_RELATIONSHIPS | 6-180 |
| 6.273 | DBA_PG_ELEMENT_LABELS | 6-180 |
| 6.274 | DBA_PG_ELEMENTS | 6-181 |
| 6.275 | DBA_PG_KEYS | 6-181 |
| 6.276 | DBA_PG_LABEL_PROPERTIES | 6-181 |
| 6.277 | DBA_PG_LABELS | 6-182 |
| 6.278 | DBA_PG_PROP_DEFINITIONS | 6-182 |
| 6.279 | DBA_PLSQL_COLL_TYPES | 6-183 |
| 6.280 | DBA_PLSQL_OBJECT_SETTINGS | 6-183 |
| 6.281 | DBA_PLSQL_TYPE_ATTRS | 6-183 |
| 6.282 | DBA_PLSQL_TYPES | 6-183 |
| 6.283 | DBA_POLICIES | 6-184 |
| 6.284 | DBA_POLICY_ATTRIBUTES | 6-184 |
| 6.285 | DBA_POLICY_CONTEXTS | 6-184 |
| 6.286 | DBA_POLICY_GROUPS | 6-184 |
| 6.287 | DBA_PRIV_AUDIT_OPTS | 6-185 |
| 6.288 | DBA_PRIV_CAPTURES | 6-185 |
| 6.289 | DBA_PRIVATE_TEMP_TABLES | 6-186 |
| | | |



| 6.290 | DBA_PROCEDURES | 6-187 |
|-------|--------------------------------|-------|
| 6.291 | DBA_PROFILES | 6-187 |
| 6.292 | DBA_PROPERTY_GRAPHS | 6-188 |
| 6.293 | DBA_PROPAGATION | 6-188 |
| 6.294 | DBA_PROXIES | 6-188 |
| 6.295 | DBA_QUARANTINED_TRANSACTIONS | 6-189 |
| 6.296 | DBA_QUEUE_EVENT_STREAMS | 6-190 |
| 6.297 | DBA_QUEUE_SCHEDULES | 6-190 |
| 6.298 | DBA_QUEUE_SUBSCRIBERS | 6-190 |
| 6.299 | DBA_QUEUE_TABLES | 6-191 |
| 6.300 | DBA_QUEUES | 6-191 |
| 6.301 | DBA_RAT_CAPTURE_SCHEMA_INFO | 6-191 |
| 6.302 | DBA_RCHILD | 6-192 |
| 6.303 | DBA_RECOVERABLE_SCRIPT | 6-192 |
| 6.304 | DBA_RECOVERABLE_SCRIPT_BLOCKS | 6-193 |
| 6.305 | DBA_RECOVERABLE_SCRIPT_ERRORS | 6-193 |
| 6.306 | DBA_RECOVERABLE_SCRIPT_HIST | 6-193 |
| 6.307 | DBA_RECOVERABLE_SCRIPT_PARAMS | 6-194 |
| 6.308 | DBA_RECYCLEBIN | 6-194 |
| 6.309 | DBA_REDEFINITION_ERRORS | 6-195 |
| 6.310 | DBA_REDEFINITION_OBJECTS | 6-196 |
| 6.311 | DBA_REDEFINITION_STATUS | 6-197 |
| 6.312 | DBA_REFRESH | 6-198 |
| 6.313 | DBA_REFRESH_CHILDREN | 6-198 |
| 6.314 | DBA_REFS | 6-198 |
| 6.315 | DBA_REGISTERED_ARCHIVED_LOG | 6-198 |
| 6.316 | DBA_REGISTERED_MVIEWS | 6-199 |
| 6.317 | DBA_REGISTRY | 6-199 |
| 6.318 | DBA_REGISTRY_BACKPORTS | 6-200 |
| 6.319 | DBA_REGISTRY_HIERARCHY | 6-201 |
| 6.320 | DBA_REGISTRY_HISTORY | 6-201 |
| 6.321 | DBA_REGISTRY_LOG | 6-202 |
| 6.322 | DBA_REGISTRY_SCHEMAS | 6-202 |
| 6.323 | DBA_REGISTRY_SQLPATCH | 6-202 |
| 6.324 | DBA_REPAIR_TABLE | 6-204 |
| 6.325 | DBA_REPL_DBNAME_MAPPING | 6-205 |
| 6.326 | DBA_REPLICATION_PROCESS_EVENTS | 6-205 |
| 6.327 | DBA_RESOURCE_INCARNATIONS | 6-205 |
| 6.328 | DBA_RESUMABLE | 6-206 |
| 6.329 | DBA_REWRITE_EQUIVALENCES | 6-207 |
| 6.330 | DBA_RGROUP | 6-207 |
| 6.331 | DBA_ROLE_PRIVS | 6-208 |



| 6.332 | DBA_ROLES | 6-208 |
|-------|--------------------------------|-------|
| 6.333 | DBA_ROLLBACK_SEGS | 6-209 |
| 6.334 | DBA_ROLLING_DATABASES | 6-210 |
| 6.335 | DBA_ROLLING_EVENTS | 6-211 |
| 6.336 | DBA_ROLLING_PARAMETERS | 6-211 |
| 6.337 | DBA_ROLLING_PLAN | 6-212 |
| 6.338 | DBA_ROLLING_STATISTICS | 6-213 |
| 6.339 | DBA_ROLLING_STATUS | 6-213 |
| 6.340 | DBA_ROLLING_SUPPORT_MODE | 6-214 |
| 6.341 | DBA_ROLLING_UNSUPPORTED | 6-215 |
| 6.342 | DBA_RSRC_CATEGORIES | 6-216 |
| 6.343 | DBA_RSRC_CONSUMER_GROUP_PRIVS | 6-216 |
| 6.344 | DBA_RSRC_CONSUMER_GROUPS | 6-217 |
| 6.345 | DBA_RSRC_GROUP_MAPPINGS | 6-217 |
| 6.346 | DBA_RSRC_IO_CALIBRATE | 6-217 |
| 6.347 | DBA_RSRC_MANAGER_SYSTEM_PRIVS | 6-218 |
| 6.348 | DBA_RSRC_MAPPING_PRIORITY | 6-218 |
| 6.349 | DBA_RSRC_PLAN_DIRECTIVES | 6-219 |
| 6.350 | DBA_RSRC_PLANS | 6-222 |
| 6.351 | DBA_RULE_SET_RULES | 6-223 |
| 6.352 | DBA_RULE_SETS | 6-223 |
| 6.353 | DBA_RULES | 6-223 |
| 6.354 | DBA_SAGA_BROKERS | 6-224 |
| 6.355 | DBA_SAGA_DETAILS | 6-224 |
| 6.356 | DBA_SAGA_ERRORS | 6-224 |
| 6.357 | DBA_SAGA_FINALIZATION | 6-225 |
| 6.358 | DBA_SAGA_PARTICIPANT_SET | 6-225 |
| 6.359 | DBA_SAGA_PARTICIPANTS | 6-225 |
| 6.360 | DBA_SAGA_PENDING | 6-226 |
| 6.361 | DBA_SAGAS | 6-226 |
| 6.362 | DBA_SCHEDULER_CHAIN_RULES | 6-227 |
| 6.363 | DBA_SCHEDULER_CHAIN_STEPS | 6-227 |
| 6.364 | DBA_SCHEDULER_CHAINS | 6-227 |
| 6.365 | DBA_SCHEDULER_CREDENTIALS | 6-228 |
| 6.366 | DBA_SCHEDULER_DB_DESTS | 6-228 |
| 6.367 | DBA_SCHEDULER_DESTS | 6-228 |
| 6.368 | DBA_SCHEDULER_EXTERNAL_DESTS | 6-229 |
| 6.369 | DBA_SCHEDULER_FILE_WATCHERS | 6-229 |
| 6.370 | DBA_SCHEDULER_GLOBAL_ATTRIBUTE | 6-229 |
| 6.371 | DBA_SCHEDULER_GROUP_MEMBERS | 6-229 |
| 6.372 | DBA_SCHEDULER_GROUPS | 6-230 |
| 6.373 | DBA_SCHEDULER_IN_MEMORY_TRACE | 6-230 |



| 6.374 | DBA_SCHEDULER_INCOMPAT_MEMBER | 6-230 |
|-------|----------------------------------|-------|
| 6.375 | DBA_SCHEDULER_INCOMPATS | 6-231 |
| 6.376 | DBA_SCHEDULER_JOB_ARGS | 6-231 |
| 6.377 | DBA_SCHEDULER_JOB_CLASSES | 6-231 |
| 6.378 | DBA_SCHEDULER_JOB_DESTS | 6-231 |
| 6.379 | DBA_SCHEDULER_JOB_LOG | 6-232 |
| 6.380 | DBA_SCHEDULER_JOB_ROLES | 6-232 |
| 6.381 | DBA_SCHEDULER_JOB_RUN_DETAILS | 6-233 |
| 6.382 | DBA_SCHEDULER_JOBS | 6-233 |
| 6.383 | DBA_SCHEDULER_NOTIFICATIONS | 6-234 |
| 6.384 | DBA_SCHEDULER_PROGRAM_ARGS | 6-234 |
| 6.385 | DBA_SCHEDULER_PROGRAMS | 6-234 |
| 6.386 | DBA_SCHEDULER_REMOTE_DATABASES | 6-234 |
| 6.387 | DBA_SCHEDULER_REMOTE_JOBSTATE | 6-235 |
| 6.388 | DBA_SCHEDULER_RESOURCES | 6-235 |
| 6.389 | DBA_SCHEDULER_RSC_CONSTRAINTS | 6-235 |
| 6.390 | DBA_SCHEDULER_RUNNING_CHAINS | 6-235 |
| 6.391 | DBA_SCHEDULER_RUNNING_JOBS | 6-236 |
| 6.392 | DBA_SCHEDULER_SCHEDULES | 6-236 |
| 6.393 | DBA_SCHEDULER_WINDOW_DETAILS | 6-236 |
| 6.394 | DBA_SCHEDULER_WINDOW_GROUPS | 6-236 |
| 6.395 | DBA_SCHEDULER_WINDOW_LOG | 6-237 |
| 6.396 | DBA_SCHEDULER_WINDOWS | 6-237 |
| 6.397 | DBA_SCHEDULER_WINGROUP_MEMBERS | 6-237 |
| 6.398 | DBA_SCHEMA_PRIVS | 6-237 |
| 6.399 | DBA_SEC_RELEVANT_COLS | 6-238 |
| 6.400 | DBA_SECONDARY_OBJECTS | 6-238 |
| 6.401 | DBA_SEGMENTS | 6-238 |
| 6.402 | DBA_SEGMENTS_OLD | 6-241 |
| 6.403 | DBA_SENSITIVE_COLUMN_TYPES | 6-242 |
| 6.404 | DBA_SENSITIVE_DATA | 6-242 |
| 6.405 | DBA_SEQUENCES | 6-243 |
| 6.406 | DBA_SERVER_REGISTRY | 6-243 |
| 6.407 | DBA_SERVICES | 6-244 |
| 6.408 | DBA_SODA_COLLECTIONS | 6-244 |
| 6.409 | DBA_SOURCE | 6-245 |
| 6.410 | DBA_SOURCE_AE | 6-245 |
| 6.411 | DBA_SQL_ERROR_MITIGATIONS | 6-245 |
| 6.412 | DBA_SQL_FIREWALL_ALLOW_LISTS | 6-246 |
| 6.413 | DBA_SQL_FIREWALL_ALLOWED_IP_ADDR | 6-247 |
| 6.414 | DBA_SQL_FIREWALL_ALLOWED_OS_PROG | 6-247 |
| 6.415 | DBA_SQL_FIREWALL_ALLOWED_OS_USER | 6-247 |



| 6.416 | DBA_SQL_FIREWALL_ALLOWED_SQL | 6-248 |
|-------|-------------------------------|-------|
| 6.417 | DBA_SQL_FIREWALL_CAPTURE_LOGS | 6-248 |
| 6.418 | DBA_SQL_FIREWALL_CAPTURES | 6-249 |
| 6.419 | DBA_SQL_FIREWALL_SESSION_LOGS | 6-250 |
| 6.420 | DBA_SQL_FIREWALL_SQL_LOGS | 6-250 |
| 6.421 | DBA_SQL_FIREWALL_STATUS | 6-251 |
| 6.422 | DBA_SQL_FIREWALL_VIOLATIONS | 6-251 |
| 6.423 | DBA_SQL_MANAGEMENT_CONFIG | 6-252 |
| 6.424 | DBA_SQL_QUARANTINE | 6-252 |
| 6.425 | DBA_SQL_PATCHES | 6-253 |
| 6.426 | DBA_SQL_PLAN_BASELINES | 6-254 |
| 6.427 | DBA_SQL_PLAN_DIR_OBJECTS | 6-256 |
| 6.428 | DBA_SQL_PLAN_DIRECTIVES | 6-257 |
| 6.429 | DBA_SQL_PROFILES | 6-258 |
| 6.430 | DBA_SQL_TRANSLATION_PROFILES | 6-259 |
| 6.431 | DBA_SQL_TRANSLATIONS | 6-259 |
| 6.432 | DBA_SQLJ_TYPE_ATTRS | 6-259 |
| 6.433 | DBA_SQLJ_TYPE_METHODS | 6-259 |
| 6.434 | DBA_SQLJ_TYPES | 6-260 |
| 6.435 | DBA_SQLSET | 6-260 |
| 6.436 | DBA_SQLSET_BINDS | 6-260 |
| 6.437 | DBA_SQLSET_PLANS | 6-260 |
| 6.438 | DBA_SQLSET_REFERENCES | 6-261 |
| 6.439 | DBA_SQLSET_STATEMENTS | 6-261 |
| 6.440 | DBA_SQLTUNE_BINDS | 6-263 |
| 6.441 | DBA_SQLTUNE_PLANS | 6-263 |
| 6.442 | DBA_SQLTUNE_RATIONALE_PLAN | 6-266 |
| 6.443 | DBA_SQLTUNE_STATISTICS | 6-267 |
| 6.444 | DBA_SR_GRP_STATUS | 6-268 |
| 6.445 | DBA_SR_GRP_STATUS_ALL | 6-269 |
| 6.446 | DBA_SR_OBJ | 6-271 |
| 6.447 | DBA_SR_OBJ_ALL | 6-271 |
| 6.448 | DBA_SR_OBJ_STATUS | 6-272 |
| 6.449 | DBA_SR_OBJ_STATUS_ALL | 6-273 |
| 6.450 | DBA_SR_PARTN_OPS | 6-274 |
| 6.451 | DBA_SR_STLOG_EXCEPTIONS | 6-275 |
| 6.452 | DBA_SR_STLOG_STATS | 6-275 |
| 6.453 | DBA_SSCR_CAPTURE | 6-276 |
| 6.454 | DBA_SSCR_RESTORE | 6-277 |
| 6.455 | DBA_STAT_EXTENSIONS | 6-277 |
| 6.456 | DBA_STATEMENTS | 6-278 |
| 6.457 | DBA_STMT_AUDIT_OPTS | 6-278 |
| | | |



7 Static Data Dictionary Views: DBA_STREAMS_ADD_COLUMN to USER_ZONEMAPS

| 7.1 | DBA_STREAMS_ADD_COLUMN | 7-1 |
|------|--------------------------------|------|
| 7.2 | DBA_STREAMS_DELETE_COLUMN | 7-1 |
| 7.3 | DBA_STREAMS_GLOBAL_RULES | 7-2 |
| 7.4 | DBA_STREAMS_KEEP_COLUMNS | 7-2 |
| 7.5 | DBA_STREAMS_MESSAGE_CONSUMERS | 7-3 |
| 7.6 | DBA_STREAMS_NEWLY_SUPPORTED | 7-3 |
| 7.7 | DBA_STREAMS_RENAME_COLUMN | 7-3 |
| 7.8 | DBA_STREAMS_RENAME_SCHEMA | 7-3 |
| 7.9 | DBA_STREAMS_RENAME_TABLE | 7-4 |
| 7.10 | DBA_STREAMS_SCHEMA_RULES | 7-4 |
| 7.11 | DBA_STREAMS_TABLE_RULES | 7-5 |
| 7.12 | DBA_STREAMS_TP_COMPONENT | 7-5 |
| 7.13 | DBA_STREAMS_TP_COMPONENT_LINK | 7-5 |
| 7.14 | DBA_STREAMS_TP_COMPONENT_STAT | 7-6 |
| 7.15 | DBA_STREAMS_TP_DATABASE | 7-7 |
| 7.16 | DBA_STREAMS_TP_PATH_BOTTLENECK | 7-7 |
| 7.17 | DBA_STREAMS_TP_PATH_STAT | 7-8 |
| 7.18 | DBA_STREAMS_TRANSFORM_FUNCTION | 7-8 |
| 7.19 | DBA_SUBPART_COL_STATISTICS | 7-9 |
| 7.20 | DBA_SUBPART_HISTOGRAMS | 7-9 |
| 7.21 | DBA_SUBPART_KEY_COLUMNS | 7-9 |
| 7.22 | DBA_SUBPARTITION_TEMPLATES | 7-9 |
| 7.23 | DBA_SUBSCR_REGISTRATIONS | 7-10 |
| 7.24 | DBA_SUPPLEMENTAL_LOGGING | 7-11 |
| 7.25 | DBA_SYNC_CAPTURE | 7-12 |
| 7.26 | DBA_SYNC_CAPTURE_PREPARED_TABS | 7-12 |
| 7.27 | DBA_SYNC_CAPTURE_TABLES | 7-12 |
| 7.28 | DBA_SYNONYMS | 7-13 |
| 7.29 | DBA_SYS_PRIVS | 7-13 |
| 7.30 | DBA_SYS_PRIVS_ALL | 7-13 |
| 7.31 | DBA_TAB_COL_STAT_MODELS | 7-14 |
| 7.32 | DBA_TAB_COL_STATISTICS | 7-14 |
| 7.33 | DBA_TAB_COLS | 7-15 |
| 7.34 | DBA_TAB_COLUMNS | 7-18 |
| 7.35 | DBA_TAB_COMMENTS | 7-21 |
| 7.36 | DBA_TAB_HISTGRM_PENDING_STATS | 7-22 |
| 7.37 | DBA_TAB_HISTOGRAMS | 7-22 |



| 7.38 | DBA_TAB_IDENTITY_COLS | 7-22 |
|------|-------------------------------|------|
| 7.39 | DBA_TAB_MODIFICATIONS | 7-22 |
| 7.40 | DBA_TAB_PARTITIONS | 7-23 |
| 7.41 | DBA_TAB_PENDING_STATS | 7-23 |
| 7.42 | DBA_TAB_PRIVS | 7-23 |
| 7.43 | DBA_TAB_STATISTICS | 7-24 |
| 7.44 | DBA_TAB_STAT_PREFS | 7-24 |
| 7.45 | DBA_TAB_STATS_HISTORY | 7-24 |
| 7.46 | DBA_TAB_SUBPARTITIONS | 7-24 |
| 7.47 | DBA_TABLE_ACCESS_STATS | 7-25 |
| 7.48 | DBA_TABLE_VIRTUAL_COLUMNS | 7-25 |
| 7.49 | DBA_TABLES | 7-25 |
| 7.50 | DBA_TABLESPACE_GROUPS | 7-25 |
| 7.51 | DBA_TABLESPACE_THRESHOLDS | 7-26 |
| 7.52 | DBA_TABLESPACE_USAGE_METRICS | 7-26 |
| 7.53 | DBA_TABLESPACES | 7-28 |
| 7.54 | DBA_TEMP_FILES | 7-32 |
| 7.55 | DBA_TEMP_FREE_SPACE | 7-32 |
| 7.56 | DBA_THRESHOLDS | 7-33 |
| 7.57 | DBA_TRANSFORMATIONS | 7-34 |
| 7.58 | DBA_TRIGGER_COLS | 7-34 |
| 7.59 | DBA_TRIGGER_ORDERING | 7-34 |
| 7.60 | DBA_TRIGGERS | 7-35 |
| 7.61 | DBA_TRIGGERS_AE | 7-35 |
| 7.62 | DBA_TS_QUOTAS | 7-35 |
| 7.63 | DBA_TSDP_IMPORT_ERRORS | 7-36 |
| 7.64 | DBA_TSDP_POLICY_CONDITION | 7-36 |
| 7.65 | DBA_TSDP_POLICY_FEATURE | 7-37 |
| 7.66 | DBA_TSDP_POLICY_PARAMETER | 7-37 |
| 7.67 | DBA_TSDP_POLICY_PROTECTION | 7-38 |
| 7.68 | DBA_TSDP_POLICY_TYPE | 7-38 |
| 7.69 | DBA_TSM_DESTINATION | 7-38 |
| 7.70 | DBA_TSM_SOURCE | 7-39 |
| 7.71 | DBA_TSTZ_TAB_COLS | 7-40 |
| 7.72 | DBA_TSTZ_TABLES | 7-40 |
| 7.73 | DBA_TUNE_MVIEW | 7-40 |
| 7.74 | DBA_TXEVENTQ_MIGRATION_STATUS | 7-41 |
| 7.75 | DBA_TYPE_ATTRS | 7-42 |
| 7.76 | DBA_TYPE_METHODS | 7-42 |
| 7.77 | DBA_TYPE_VERSIONS | 7-42 |
| 7.78 | DBA_TYPES | 7-42 |
| 7.79 | DBA_UMF_LINK | 7-43 |



| 7.80 | DBA_UMF_REGISTRATION | 7-43 |
|-------|------------------------------|------|
| 7.81 | DBA_UMF_SERVICE | 7-44 |
| 7.82 | DBA_UMF_TOPOLOGY | 7-44 |
| 7.83 | DBA_UNDO_EXTENTS | 7-45 |
| 7.84 | DBA_UNUSED_COL_TABS | 7-46 |
| 7.85 | DBA_UNUSED_GRANTS | 7-46 |
| 7.86 | DBA_UNUSED_OBJPRIVS | 7-47 |
| 7.87 | DBA_UNUSED_OBJPRIVS_PATH | 7-48 |
| 7.88 | DBA_UNUSED_PRIVS | 7-48 |
| 7.89 | DBA_UNUSED_SCHEMA_PRIVS | 7-49 |
| 7.90 | DBA_UNUSED_SCHEMA_PRIVS_PATH | 7-50 |
| 7.91 | DBA_UNUSED_SYSPRIVS | 7-51 |
| 7.92 | DBA_UNUSED_SYSPRIVS_PATH | 7-52 |
| 7.93 | DBA_UNUSED_USERPRIVS | 7-53 |
| 7.94 | DBA_UNUSED_USERPRIVS_PATH | 7-54 |
| 7.95 | DBA_UPDATABLE_COLUMNS | 7-54 |
| 7.96 | DBA_USED_OBJPRIVS | 7-55 |
| 7.97 | DBA_USED_OBJPRIVS_PATH | 7-55 |
| 7.98 | DBA_USED_PRIVS | 7-56 |
| 7.99 | DBA_USED_PUBPRIVS | 7-57 |
| 7.100 | DBA_USED_SCHEMA_PRIVS | 7-58 |
| 7.101 | DBA_USED_SCHEMA_PRIVS_PATH | 7-59 |
| 7.102 | DBA_USED_SYSPRIVS | 7-60 |
| 7.103 | DBA_USED_SYSPRIVS_PATH | 7-61 |
| 7.104 | DBA_USED_USERPRIVS | 7-62 |
| 7.105 | DBA_USED_USERPRIVS_PATH | 7-63 |
| 7.106 | DBA_USERS | 7-63 |
| 7.107 | DBA_USERS_WITH_DEFPWD | 7-69 |
| 7.108 | DBA_USTATS | 7-70 |
| 7.109 | DBA_VARRAYS | 7-70 |
| 7.110 | DBA_VIEWS | 7-70 |
| 7.111 | DBA_VIEWS_AE | 7-71 |
| 7.112 | DBA_WAITERS | 7-71 |
| 7.113 | DBA_WALLET_ACES | 7-71 |
| 7.114 | DBA_WALLET_ACLS | 7-72 |
| 7.115 | DBA_WARNING_SETTINGS | 7-72 |
| 7.116 | DBA_WI_CAPTURE_FILES | 7-72 |
| 7.117 | DBA_WI_JOBS | 7-73 |
| 7.118 | DBA_WI_OBJECTS | 7-73 |
| 7.119 | DBA_WI_PATTERN_ITEMS | 7-73 |
| 7.120 | DBA_WI_PATTERNS | 7-74 |
| 7.121 | DBA_WI_STATEMENTS | 7-74 |



| 7.122 | DBA_WI_TEMPLATE_EXECUTIONS | 7-75 |
|-------|--------------------------------|-------|
| 7.123 | DBA_WI_TEMPLATES | 7-75 |
| 7.124 | DBA_WORKLOAD_ACTIVE_USER_MAP | 7-76 |
| 7.125 | DBA_WORKLOAD_CAPTURE_SQLTEXT | 7-76 |
| 7.126 | DBA_WORKLOAD_CAPTURES | 7-77 |
| 7.127 | DBA_WORKLOAD_CONNECTION_MAP | 7-80 |
| 7.128 | DBA_WORKLOAD_DIV_SUMMARY | 7-80 |
| 7.129 | DBA_WORKLOAD_FILTERS | 7-82 |
| 7.130 | DBA_WORKLOAD_GROUP_ASSIGNMENTS | 7-82 |
| 7.131 | DBA_WORKLOAD_LONG_SQLTEXT | 7-83 |
| 7.132 | DBA_WORKLOAD_REPLAY_CLIENTS | 7-83 |
| 7.133 | DBA_WORKLOAD_REPLAY_DIVERGENCE | 7-83 |
| 7.134 | DBA_WORKLOAD_REPLAY_SCHEDULES | 7-85 |
| 7.135 | DBA_WORKLOAD_REPLAYS | 7-86 |
| 7.136 | DBA_WORKLOAD_SCHEDULE_CAPTURES | 7-90 |
| 7.137 | DBA_WORKLOAD_SCHEDULE_ORDERING | 7-91 |
| 7.138 | DBA_WORKLOAD_SQL_MAP | 7-92 |
| 7.139 | DBA_WORKLOAD_TRACKED_COMMITS | 7-92 |
| 7.140 | DBA_WORKLOAD_USER_MAP | 7-93 |
| 7.141 | DBA_XML_INDEXES | 7-94 |
| 7.142 | DBA_XML_NESTED_TABLES | 7-94 |
| 7.143 | DBA_XML_OUT_OF_LINE_TABLES | 7-94 |
| 7.144 | DBA_XML_SCHEMA_ATTRIBUTES | 7-94 |
| 7.145 | DBA_XML_SCHEMA_COMPLEX_TYPES | 7-95 |
| 7.146 | DBA_XML_SCHEMA_ELEMENTS | 7-95 |
| 7.147 | DBA_XML_SCHEMA_NAMESPACES | 7-95 |
| 7.148 | DBA_XML_SCHEMA_SIMPLE_TYPES | 7-95 |
| 7.149 | DBA_XML_SCHEMA_SUBSTGRP_HEAD | 7-96 |
| 7.150 | DBA_XML_SCHEMA_SUBSTGRP_MBRS | 7-96 |
| 7.151 | DBA_XML_SCHEMAS | 7-96 |
| 7.152 | DBA_XML_TAB_COLS | 7-96 |
| 7.153 | DBA_XML_TABLES | 7-97 |
| 7.154 | DBA_XML_VIEW_COLS | 7-97 |
| 7.155 | DBA_XML_VIEWS | 7-97 |
| 7.156 | DBA_XS_AUDIT_POLICY_OPTIONS | 7-97 |
| 7.157 | DBA_XS_AUDIT_TRAIL | 7-98 |
| 7.158 | DBA_XS_ENABLED_AUDIT_POLICIES | 7-99 |
| 7.159 | DBA_XS_ENB_AUDIT_POLICIES | 7-100 |
| 7.160 | DBA_XSTREAM_ADMINISTRATOR | 7-100 |
| 7.161 | DBA_XSTREAM_INBOUND | 7-101 |
| 7.162 | DBA_XSTREAM_INBOUND_PROGRESS | 7-101 |
| 7.163 | DBA_XSTREAM_OUT_SUPPORT_MODE | 7-101 |



| 7.164 | DBA_XSTREAM_OUTBOUND | 7-101 |
|-------|-----------------------------------|-------|
| 7.165 | DBA_XSTREAM_OUTBOUND_PROGRESS | 7-102 |
| 7.166 | DBA_XSTREAM_RULES | 7-102 |
| 7.167 | DBA_XSTREAM_SPLIT_MERGE | 7-102 |
| 7.168 | DBA_XSTREAM_SPLIT_MERGE_HIST | 7-104 |
| 7.169 | DBA_XSTREAM_STMT_HANDLERS | 7-106 |
| 7.170 | DBA_XSTREAM_STMTS | 7-106 |
| 7.171 | DBA_XSTREAM_TRANSFORMATIONS | 7-106 |
| 7.172 | DBA_XTERNAL_LOC_PARTITIONS | 7-106 |
| 7.173 | DBA_XTERNAL_LOC_SUBPARTITIONS | 7-107 |
| 7.174 | DBA_XTERNAL_PART_TABLES | 7-107 |
| 7.175 | DBA_XTERNAL_TAB_PARTITIONS | 7-107 |
| 7.176 | DBA_XTERNAL_TAB_SUBPARTITIONS | 7-107 |
| 7.177 | DBA_ZONEMAP_AUTO_ACTIONS | 7-108 |
| 7.178 | DBA_ZONEMAP_AUTO_FINDINGS | 7-108 |
| 7.179 | DBA_ZONEMAP_MEASURES | 7-109 |
| 7.180 | DBA_ZONEMAPS | 7-109 |
| 7.181 | DBFS_CONTENT | 7-110 |
| 7.182 | DBFS_CONTENT_PROPERTIES | 7-112 |
| 7.183 | DBMS_ALERT_INFO | 7-112 |
| 7.184 | DBMS_KAFKA_APPLICATIONS | 7-112 |
| 7.185 | DBMS_KAFKA_CLUSTERS | 7-113 |
| 7.186 | DBMS_KAFKA_LOAD_METRICS | 7-115 |
| 7.187 | DBMS_KAFKA_MESSAGES | 7-115 |
| 7.188 | DBMS_KAFKA_OPS | 7-116 |
| 7.189 | DBMS_KAFKA_OPS_RESULTS | 7-117 |
| 7.190 | DBMS_KAFKA_PARTITIONS | 7-118 |
| 7.191 | DBMS_KAFKA_SEC_ALLOWED_PROPERTIES | 7-119 |
| 7.192 | DBMS_LOCK_ALLOCATED | 7-120 |
| 7.193 | DBMS_METADATA_PARSE_ITEMS | 7-121 |
| 7.194 | DBMS_METADATA_TRANSFORM_PARAMS | 7-121 |
| 7.195 | DBMS_METADATA_TRANSFORMS | 7-122 |
| 7.196 | DEPTREE | 7-122 |
| 7.197 | DICT | 7-123 |
| 7.198 | DICT_COLUMNS | 7-123 |
| 7.199 | DICTIONARY | 7-123 |
| 7.200 | DICTIONARY_CREDENTIALS_ENCRYPT | 7-123 |
| 7.201 | DM_USER_MODELS | 7-124 |
| 7.202 | DOCUMENT_LINKS | 7-125 |
| 7.203 | ERROR_SIZE | 7-126 |
| 7.204 | EXCEPTIONS | 7-126 |
| 7.205 | FLASHBACK_TRANSACTION_QUERY | 7-126 |



| 7.206 | GLOBAL_CONTEXT | 7-127 |
|-------|--------------------------------|-------|
| 7.207 | GLOBAL_NAME | 7-128 |
| 7.208 | HS_ALL_CAPS | 7-128 |
| 7.209 | HS_ALL_DD | 7-128 |
| 7.210 | HS_ALL_INITS | 7-128 |
| 7.211 | HS_BASE_CAPS | 7-129 |
| 7.212 | HS_BASE_DD | 7-129 |
| 7.213 | HS_CLASS_CAPS | 7-129 |
| 7.214 | HS_CLASS_DD | 7-130 |
| 7.215 | HS_CLASS_INIT | 7-130 |
| 7.216 | HS_FDS_CLASS | 7-130 |
| 7.217 | HS_FDS_INST | 7-131 |
| 7.218 | HS_INST_CAPS | 7-131 |
| 7.219 | HS_INST_DD | 7-131 |
| 7.220 | HS_INST_INIT | 7-132 |
| 7.221 | IDEPTREE | 7-132 |
| 7.222 | IND | 7-132 |
| 7.223 | INDEX_HISTOGRAM | 7-133 |
| 7.224 | INDEX_STATS | 7-133 |
| 7.225 | LOGSTDBY_UNSUPPORTED_TABLES | 7-135 |
| 7.226 | MAP_OBJECT | 7-135 |
| 7.227 | NLS_DATABASE_PARAMETERS | 7-135 |
| 7.228 | NLS_INSTANCE_PARAMETERS | 7-136 |
| 7.229 | NLS_SESSION_PARAMETERS | 7-136 |
| 7.230 | ОВЈ | 7-136 |
| 7.231 | PATH_VIEW | 7-136 |
| 7.232 | PDB_ALERTS | 7-137 |
| 7.233 | PDB_PLUG_IN_VIOLATIONS | 7-137 |
| 7.234 | PLAN_TABLE | 7-138 |
| 7.235 | PLUGGABLE_SET_CHECK | 7-141 |
| 7.236 | PRODUCT_COMPONENT_VERSION | 7-142 |
| 7.237 | PROXY_USERS | 7-142 |
| 7.238 | PSTUBTBL | 7-143 |
| 7.239 | PUBLIC_DEPENDENCY | 7-143 |
| 7.240 | PUBLICSYN | 7-143 |
| 7.241 | QUEUE_PRIVILEGES | 7-144 |
| 7.242 | RECYCLEBIN | 7-144 |
| 7.243 | REDACTION_COLUMNS | 7-144 |
| 7.244 | REDACTION_EXPRESSIONS | 7-145 |
| 7.245 | REDACTION_POLICIES | 7-145 |
| 7.246 | REDACTION_VALUES_FOR_TYPE_FULL | 7-146 |
| 7.247 | REPORT_COMPONENTS | 7-147 |
| | | |



| 7.248 | REPORT_FILES | 7-147 |
|-------|-------------------------------|-------|
| 7.249 | REPORT_FORMATS | 7-148 |
| 7.250 | RESOURCE_COST | 7-148 |
| 7.251 | RESOURCE_MAP | 7-148 |
| 7.252 | RESOURCE_VIEW | 7-149 |
| 7.253 | ROLE_ROLE_PRIVS | 7-149 |
| 7.254 | ROLE_SCHEMA_PRIVS | 7-150 |
| 7.255 | ROLE_SYS_PRIVS | 7-150 |
| 7.256 | ROLE_SYS_PRIVS_ALL | 7-151 |
| 7.257 | ROLE_TAB_PRIVS | 7-152 |
| 7.258 | SCHEDULER_BATCH_ERRORS | 7-152 |
| 7.259 | SCHEMA_EXPORT_OBJECTS | 7-153 |
| 7.260 | SEQ | 7-153 |
| 7.261 | SESSION_CONTEXT | 7-153 |
| 7.262 | SESSION_PRIVS | 7-154 |
| 7.263 | SESSION_PRIVS_ALL | 7-154 |
| 7.264 | SESSION_SCHEMA_PRIVS | 7-154 |
| 7.265 | SESSION_ROLES | 7-154 |
| 7.266 | SHARD_RAFT_PARAMETERS | 7-155 |
| 7.267 | SOURCE_SIZE | 7-155 |
| 7.268 | STMT_AUDIT_OPTION_MAP | 7-156 |
| 7.269 | SYN | 7-156 |
| 7.270 | SYNONYMS | 7-157 |
| 7.271 | SYS_OBJECTS | 7-157 |
| 7.272 | SYSCATALOG | 7-157 |
| 7.273 | SYSFILES | 7-157 |
| 7.274 | SYSSEGOBJ | 7-157 |
| 7.275 | SYSTEM_PRIVILEGE_MAP | 7-157 |
| 7.276 | TAB | 7-158 |
| 7.277 | TABLE_EXPORT_OBJECTS | 7-158 |
| 7.278 | TABLE_PRIVILEGE_MAP | 7-158 |
| 7.279 | TABQUOTAS | 7-159 |
| 7.280 | TABS | 7-159 |
| 7.281 | TRUSTED_SERVERS | 7-159 |
| 7.282 | TS_PITR_CHECK | 7-160 |
| 7.283 | TS_PITR_OBJECTS_TO_BE_DROPPED | 7-161 |
| 7.284 | UNI_PLUGGABLE_SET_CHECK | 7-161 |
| 7.285 | UNIFIED_AUDIT_TRAIL | 7-162 |
| 7.286 | USABLE_EDITIONS | 7-171 |
| 7.287 | USER_ADDM_FDG_BREAKDOWN | 7-171 |
| 7.288 | USER_ADDM_FINDINGS | 7-171 |
| 7.289 | USER_ADDM_INSTANCES | 7-172 |



| 7.290 | USER_ADDM_TASK_DIRECTIVES | 7-172 |
|-------|--------------------------------|-------|
| 7.291 | USER_ADDM_TASKS | 7-172 |
| 7.292 | USER_ADVISOR_ACTIONS | 7-172 |
| 7.293 | USER_ADVISOR_DIR_TASK_INST | 7-173 |
| 7.294 | USER_ADVISOR_EXEC_PARAMETERS | 7-173 |
| 7.295 | USER_ADVISOR_EXECUTIONS | 7-173 |
| 7.296 | USER_ADVISOR_FDG_BREAKDOWN | 7-173 |
| 7.297 | USER_ADVISOR_FINDINGS | 7-174 |
| 7.298 | USER_ADVISOR_JOURNAL | 7-174 |
| 7.299 | USER_ADVISOR_LOG | 7-174 |
| 7.300 | USER_ADVISOR_OBJECTS | 7-174 |
| 7.301 | USER_ADVISOR_PARAMETERS | 7-175 |
| 7.302 | USER_ADVISOR_RATIONALE | 7-175 |
| 7.303 | USER_ADVISOR_RECOMMENDATIONS | 7-175 |
| 7.304 | USER_ADVISOR_SQLA_REC_SUM | 7-175 |
| 7.305 | USER_ADVISOR_SQLA_TABLES | 7-176 |
| 7.306 | USER_ADVISOR_SQLA_WK_MAP | 7-176 |
| 7.307 | USER_ADVISOR_SQLA_WK_STMTS | 7-176 |
| 7.308 | USER_ADVISOR_SQLPLANS | 7-176 |
| 7.309 | USER_ADVISOR_SQLSTATS | 7-177 |
| 7.310 | USER_ADVISOR_SQLW_JOURNAL | 7-177 |
| 7.311 | USER_ADVISOR_SQLW_PARAMETERS | 7-177 |
| 7.312 | USER_ADVISOR_SQLW_STMTS | 7-177 |
| 7.313 | USER_ADVISOR_SQLW_SUM | 7-178 |
| 7.314 | USER_ADVISOR_SQLW_TABLES | 7-178 |
| 7.315 | USER_ADVISOR_SQLW_TEMPLATES | 7-178 |
| 7.316 | USER_ADVISOR_TASKS | 7-178 |
| 7.317 | USER_ADVISOR_TEMPLATES | 7-179 |
| 7.318 | USER_ALL_TABLES | 7-179 |
| 7.319 | USER_ANALYTIC_VIEW_AGGR_DIMS | 7-179 |
| 7.320 | USER_ANALYTIC_VIEW_AGGR_FNS | 7-179 |
| 7.321 | USER_ANALYTIC_VIEW_AGGR_FNS_AE | 7-180 |
| 7.322 | USER_ANALYTIC_VIEW_AGR_DIMS | 7-180 |
| 7.323 | USER_ANALYTIC_VIEW_AGR_DIMS_AE | 7-180 |
| 7.324 | USER_ANALYTIC_VIEW_ATTR_CLASS | 7-180 |
| 7.325 | USER_ANALYTIC_VIEW_ATTR_CLS | 7-181 |
| 7.326 | USER_ANALYTIC_VIEW_ATTR_CLS_AE | 7-181 |
| 7.327 | USER_ANALYTIC_VIEW_BAS_MEAS | 7-181 |
| 7.328 | USER_ANALYTIC_VIEW_BAS_MEAS_AE | 7-181 |
| 7.329 | USER_ANALYTIC_VIEW_BASE_MEAS | 7-182 |
| 7.330 | USER_ANALYTIC_VIEW_CALC_MEAS | 7-182 |
| 7.331 | USER_ANALYTIC_VIEW_CLASS | 7-182 |



| 7.332 | USER_ANALYTIC_VIEW_CLASS_AE | 7-182 |
|-------|--------------------------------|-------|
| 7.333 | USER_ANALYTIC_VIEW_CLC_MEAS | 7-183 |
| 7.334 | USER_ANALYTIC_VIEW_CLC_MEAS_AE | 7-183 |
| 7.335 | USER_ANALYTIC_VIEW_COLUMNS | 7-183 |
| 7.336 | USER_ANALYTIC_VIEW_COLUMNS_AE | 7-183 |
| 7.337 | USER_ANALYTIC_VIEW_DIM_ATRS | 7-184 |
| 7.338 | USER_ANALYTIC_VIEW_DIM_ATRS_AE | 7-184 |
| 7.339 | USER_ANALYTIC_VIEW_DIM_ATTRS | 7-184 |
| 7.340 | USER_ANALYTIC_VIEW_DIM_CLASS | 7-184 |
| 7.341 | USER_ANALYTIC_VIEW_DIM_CLS | 7-185 |
| 7.342 | USER_ANALYTIC_VIEW_DIM_CLS_AE | 7-185 |
| 7.343 | USER_ANALYTIC_VIEW_DIMENSIONS | 7-185 |
| 7.344 | USER_ANALYTIC_VIEW_DIMS | 7-185 |
| 7.345 | USER_ANALYTIC_VIEW_DIMS_AE | 7-186 |
| 7.346 | USER_ANALYTIC_VIEW_FACT_COLS | 7-186 |
| 7.347 | USER_ANALYTIC_VIEW_FCT_COLS | 7-186 |
| 7.348 | USER_ANALYTIC_VIEW_FCT_COLS_AE | 7-186 |
| 7.349 | USER_ANALYTIC_VIEW_HIER_CLASS | 7-187 |
| 7.350 | USER_ANALYTIC_VIEW_HIER_CLS | 7-187 |
| 7.351 | USER_ANALYTIC_VIEW_HIER_CLS_AE | 7-187 |
| 7.352 | USER_ANALYTIC_VIEW_HIERS | 7-187 |
| 7.353 | USER_ANALYTIC_VIEW_HIERS_AE | 7-188 |
| 7.354 | USER_ANALYTIC_VIEW_KEYS | 7-188 |
| 7.355 | USER_ANALYTIC_VIEW_KEYS_AE | 7-188 |
| 7.356 | USER_ANALYTIC_VIEW_LEVEL_CLASS | 7-188 |
| 7.357 | USER_ANALYTIC_VIEW_LEVELS | 7-189 |
| 7.358 | USER_ANALYTIC_VIEW_LEVELS_AE | 7-189 |
| 7.359 | USER_ANALYTIC_VIEW_LVL_CLS | 7-189 |
| 7.360 | USER_ANALYTIC_VIEW_LVL_CLS_AE | 7-189 |
| 7.361 | USER_ANALYTIC_VIEW_LVLGRPS | 7-190 |
| 7.362 | USER_ANALYTIC_VIEW_LVLGRPS_AE | 7-190 |
| 7.363 | USER_ANALYTIC_VIEW_MEAS_CLASS | 7-190 |
| 7.364 | USER_ANALYTIC_VIEW_MEAS_CLS | 7-190 |
| 7.365 | USER_ANALYTIC_VIEW_MEAS_CLS_AE | 7-191 |
| 7.366 | USER_ANALYTIC_VIEWS | 7-191 |
| 7.367 | USER_ANALYTIC_VIEWS_AE | 7-191 |
| 7.368 | USER_ANNOTATION_VALUES | 7-191 |
| 7.369 | USER_ANNOTATIONS | 7-192 |
| 7.370 | USER_ANNOTATIONS_USAGE | 7-192 |
| 7.371 | USER_APPLICATION_ROLES | 7-192 |
| 7.372 | USER_APPLY_ERROR | 7-193 |
| 7.373 | USER_AQ_AGENT_PRIVS | 7-193 |



| 7.374 | USER_ARGUMENTS | 7-193 |
|-------|------------------------------------|-------|
| 7.375 | USER_ASSEMBLIES | 7-194 |
| 7.376 | USER_ASSOCIATIONS | 7-194 |
| 7.377 | USER_ATTRIBUTE_DIM_ATTR_CLASS | 7-194 |
| 7.378 | USER_ATTRIBUTE_DIM_ATTR_CLS | 7-194 |
| 7.379 | USER_ATTRIBUTE_DIM_ATTR_CLS_AE | 7-195 |
| 7.380 | USER_ATTRIBUTE_DIM_ATTRS | 7-195 |
| 7.381 | USER_ATTRIBUTE_DIM_ATTRS_AE | 7-195 |
| 7.382 | USER_ATTRIBUTE_DIM_CLASS | 7-195 |
| 7.383 | USER_ATTRIBUTE_DIM_CLASS_AE | 7-196 |
| 7.384 | USER_ATTRIBUTE_DIM_JN_PTHS | 7-196 |
| 7.385 | USER_ATTRIBUTE_DIM_JN_PTHS_AE | 7-196 |
| 7.386 | USER_ATTRIBUTE_DIM_JOIN_PATHS | 7-196 |
| 7.387 | USER_ATTRIBUTE_DIM_KEYS | 7-197 |
| 7.388 | USER_ATTRIBUTE_DIM_KEYS_AE | 7-197 |
| 7.389 | USER_ATTRIBUTE_DIM_LEVEL_ATTRS | 7-197 |
| 7.390 | USER_ATTRIBUTE_DIM_LEVELS | 7-197 |
| 7.391 | USER_ATTRIBUTE_DIM_LEVELS_AE | 7-198 |
| 7.392 | USER_ATTRIBUTE_DIM_LVL_ATRS | 7-198 |
| 7.393 | USER_ATTRIBUTE_DIM_LVL_ATRS_AE | 7-198 |
| 7.394 | USER_ATTRIBUTE_DIM_LVL_CLASS | 7-198 |
| 7.395 | USER_ATTRIBUTE_DIM_LVL_CLS | 7-199 |
| 7.396 | USER_ATTRIBUTE_DIM_LVL_CLS_AE | 7-199 |
| 7.397 | USER_ATTRIBUTE_DIM_ORD_ATRS | 7-199 |
| 7.398 | USER_ATTRIBUTE_DIM_ORD_ATRS_AE | 7-199 |
| 7.399 | USER_ATTRIBUTE_DIM_ORDER_ATTRS | 7-200 |
| 7.400 | USER_ATTRIBUTE_DIM_TABLES | 7-200 |
| 7.401 | USER_ATTRIBUTE_DIM_TABLES_AE | 7-200 |
| 7.402 | USER_ATTRIBUTE_DIMENSIONS | 7-200 |
| 7.403 | USER_ATTRIBUTE_DIMENSIONS_AE | 7-201 |
| 7.404 | USER_ATTRIBUTE_TRANSFORMATIONS | 7-201 |
| 7.405 | USER_AUDIT_OBJECT | 7-201 |
| 7.406 | USER_AUDIT_POLICIES | 7-202 |
| 7.407 | USER_AUDIT_POLICY_COLUMNS | 7-202 |
| 7.408 | USER_AUDIT_SESSION | 7-202 |
| 7.409 | USER_AUDIT_STATEMENT | 7-202 |
| 7.410 | USER_AUDIT_TRAIL | 7-203 |
| 7.411 | USER_AVTUNE_ARCHIVE_CACHE_LEVELS | 7-203 |
| 7.412 | USER_AVTUNE_ARCHIVE_QUERIES | 7-204 |
| 7.413 | USER_AVTUNE_ARCHIVE_QUERY_LEVELS | 7-204 |
| 7.414 | USER_AVTUNE_ARCHIVE_QUERY_MEASURES | 7-204 |
| 7.415 | USER_AVTUNE_ARCHIVES | 7-205 |



| 7.416 | USER_AVTUNE_AV_AGG_CACHE_LEVELS | 7-205 |
|-------|--------------------------------------|-------|
| 7.417 | USER_AVTUNE_AV_AGG_CACHES | 7-206 |
| 7.418 | USER_AVTUNE_CALLBACK_ARGS | 7-206 |
| 7.419 | USER_AVTUNE_ENABLED_AV_DIMENSIONS | 7-206 |
| 7.420 | USER_AVTUNE_ENABLED_AVS | 7-207 |
| 7.421 | USER_AVTUNE_ENABLED_DIMENSIONS | 7-207 |
| 7.422 | USER_AW_PS | 7-208 |
| 7.423 | USER_AWS | 7-208 |
| 7.424 | USER_BASE_TABLE_MVIEWS | 7-208 |
| 7.425 | USER_BLOCKCHAIN_ROW_VERSION_COLS | 7-208 |
| 7.426 | USER_BLOCKCHAIN_ROW_VERSION_HISTORY | 7-209 |
| 7.427 | USER_BLOCKCHAIN_TABLE_CHAINS | 7-209 |
| 7.428 | USER_BLOCKCHAIN_TABLE_EPOCHS | 7-210 |
| 7.429 | USER_BLOCKCHAIN_TABLE_HASH_COL_ORDER | 7-210 |
| 7.430 | USER_BLOCKCHAIN_TABLES | 7-210 |
| 7.431 | USER_CATALOG | 7-211 |
| 7.432 | USER_CERTIFICATES | 7-211 |
| 7.433 | USER_CHANGE_NOTIFICATION_REGS | 7-211 |
| 7.434 | USER_CLU_COLUMNS | 7-211 |
| 7.435 | USER_CLUSTER_HASH_EXPRESSIONS | 7-212 |
| 7.436 | USER_CLUSTERING_DIMENSIONS | 7-212 |
| 7.437 | USER_CLUSTERING_JOINS | 7-212 |
| 7.438 | USER_CLUSTERING_KEYS | 7-213 |
| 7.439 | USER_CLUSTERING_TABLES | 7-213 |
| 7.440 | USER_CLUSTERS | 7-213 |
| 7.441 | USER_CODE_ROLE_PRIVS | 7-213 |
| 7.442 | USER_COL_COMMENTS | 7-214 |
| 7.443 | USER_COL_PENDING_STATS | 7-214 |
| 7.444 | USER_COL_PRIVS | 7-214 |
| 7.445 | USER_COL_PRIVS_MADE | 7-214 |
| 7.446 | USER_COL_PRIVS_RECD | 7-215 |
| 7.447 | USER_COLL_TYPES | 7-215 |
| 7.448 | USER_COMPARISON | 7-215 |
| 7.449 | USER_COMPARISON_COLUMNS | 7-215 |
| 7.450 | USER_COMPARISON_ROW_DIF | 7-216 |
| 7.451 | USER_COMPARISON_SCAN | 7-216 |
| 7.452 | USER_COMPARISON_SCAN_VALUES | 7-216 |
| 7.453 | USER_CONS_COLUMNS | 7-216 |
| 7.454 | USER_CONS_OBJ_COLUMNS | 7-217 |
| 7.455 | USER_CONSTRAINTS | 7-217 |
| 7.456 | USER_CQ_NOTIFICATION_QUERIES | 7-217 |
| 7.457 | USER_CREDENTIALS | 7-217 |



| 7.458 | USER_CUBE_ATTR_VISIBILITY | 7-218 |
|-------|--------------------------------|-------|
| 7.459 | USER_CUBE_ATTRIBUTES | 7-218 |
| 7.460 | USER_CUBE_BUILD_PROCESSES | 7-218 |
| 7.461 | USER_CUBE_CALCULATED_MEMBERS | 7-218 |
| 7.462 | USER_CUBE_DIM_LEVELS | 7-219 |
| 7.463 | USER_CUBE_DIM_MODELS | 7-219 |
| 7.464 | USER_CUBE_DIM_VIEW_COLUMNS | 7-219 |
| 7.465 | USER_CUBE_DIM_VIEWS | 7-219 |
| 7.466 | USER_CUBE_DIMENSIONALITY | 7-220 |
| 7.467 | USER_CUBE_DIMENSIONS | 7-220 |
| 7.468 | USER_CUBE_HIER_LEVELS | 7-220 |
| 7.469 | USER_CUBE_HIER_VIEW_COLUMNS | 7-220 |
| 7.470 | USER_CUBE_HIER_VIEWS | 7-221 |
| 7.471 | USER_CUBE_HIERARCHIES | 7-221 |
| 7.472 | USER_CUBE_MEASURES | 7-221 |
| 7.473 | USER_CUBE_NAMED_BUILD_SPECS | 7-221 |
| 7.474 | USER_CUBE_SUB_PARTITION_LEVELS | 7-222 |
| 7.475 | USER_CUBE_VIEW_COLUMNS | 7-222 |
| 7.476 | USER_CUBE_VIEWS | 7-222 |
| 7.477 | USER_CUBES | 7-222 |
| 7.478 | USER_DATAPUMP_JOBS | 7-223 |
| 7.479 | USER_DB_LINKS | 7-223 |
| 7.480 | USER_DBFS_HS | 7-223 |
| 7.481 | USER_DBFS_HS_COMMANDS | 7-223 |
| 7.482 | USER_DBFS_HS_FILES | 7-224 |
| 7.483 | USER_DBFS_HS_FIXED_PROPERTIES | 7-224 |
| 7.484 | USER_DBFS_HS_PROPERTIES | 7-224 |
| 7.485 | USER_DDL_REGS | 7-225 |
| 7.486 | USER_DEPENDENCIES | 7-225 |
| 7.487 | USER_DIM_ATTRIBUTES | 7-225 |
| 7.488 | USER_DIM_CHILD_OF | 7-226 |
| 7.489 | USER_DIM_HIERARCHIES | 7-226 |
| 7.490 | USER_DIM_JOIN_KEY | 7-226 |
| 7.491 | USER_DIM_LEVEL_KEY | 7-226 |
| 7.492 | USER_DIM_LEVELS | 7-227 |
| 7.493 | USER_DIMENSIONS | 7-227 |
| 7.494 | USER_DOMAIN_COLS | 7-227 |
| 7.495 | USER_DOMAIN_CONSTRAINTS | 7-228 |
| 7.496 | USER_DOMAINS | 7-228 |
| 7.497 | USER_EDITIONED_TYPES | 7-228 |
| 7.498 | USER_EDITIONING_VIEW_COLS | 7-229 |
| 7.499 | USER_EDITIONING_VIEW_COLS_AE | 7-229 |



| 7.500 | USER_EDITIONING_VIEWS | 7-229 |
|-------|--------------------------------|-------|
| 7.501 | USER_EDITIONING_VIEWS_AE | 7-229 |
| 7.502 | USER_ENCRYPTED_COLUMNS | 7-230 |
| 7.503 | USER_EPG_DAD_AUTHORIZATION | 7-230 |
| 7.504 | USER_ERROR_TRANSLATIONS | 7-230 |
| 7.505 | USER_ERRORS | 7-230 |
| 7.506 | USER_ERRORS_AE | 7-231 |
| 7.507 | USER_EVALUATION_CONTEXT_TABLES | 7-231 |
| 7.508 | USER_EVALUATION_CONTEXT_VARS | 7-231 |
| 7.509 | USER_EVALUATION_CONTEXTS | 7-231 |
| 7.510 | USER_EXPRESSION_STATISTICS | 7-232 |
| 7.511 | USER_EXTENTS | 7-232 |
| 7.512 | USER_EXTERNAL_LOCATIONS | 7-232 |
| 7.513 | USER_EXTERNAL_TABLES | 7-232 |
| 7.514 | USER_FLASHBACK_ARCHIVE | 7-233 |
| 7.515 | USER_FLASHBACK_ARCHIVE_TABLES | 7-233 |
| 7.516 | USER_FLASHBACK_TXN_REPORT | 7-233 |
| 7.517 | USER_FLASHBACK_TXN_STATE | 7-234 |
| 7.518 | USER_FREE_SPACE | 7-234 |
| 7.519 | USER_GOLDENGATE_PRIVILEGES | 7-234 |
| 7.520 | USER_HEAT_MAP_SEG_HISTOGRAM | 7-234 |
| 7.521 | USER_HEAT_MAP_SEGMENT | 7-235 |
| 7.522 | USER_HIER_CLASS | 7-235 |
| 7.523 | USER_HIER_CLASS_AE | 7-235 |
| 7.524 | USER_HIER_COLUMNS | 7-235 |
| 7.525 | USER_HIER_COLUMNS_AE | 7-236 |
| 7.526 | USER_HIER_HIER_ATTR_CLASS | 7-236 |
| 7.527 | USER_HIER_HIER_ATTR_CLASS_AE | 7-236 |
| 7.528 | USER_HIER_HIER_ATTRIBUTES | 7-236 |
| 7.529 | USER_HIER_HIER_ATTRIBUTES_AE | 7-237 |
| 7.530 | USER_HIER_JOIN_PATHS | 7-237 |
| 7.531 | USER_HIER_JOIN_PATHS_AE | 7-237 |
| 7.532 | USER_HIER_LEVEL_ID_ATTRS | 7-237 |
| 7.533 | USER_HIER_LEVEL_ID_ATTRS_AE | 7-238 |
| 7.534 | USER_HIER_LEVELS | 7-238 |
| 7.535 | USER_HIER_LEVELS_AE | 7-238 |
| 7.536 | USER_HIERARCHIES | 7-238 |
| 7.537 | USER_HIERARCHIES_AE | 7-239 |
| 7.538 | USER_HIST_SAGAS | 7-239 |
| 7.539 | USER_HISTOGRAMS | 7-239 |
| 7.540 | USER_HIVE_COLUMNS | 7-240 |
| 7.541 | USER_HIVE_DATABASES | 7-240 |
| | | |



| 7.542 | USER_HIVE_PART_KEY_COLUMNS | 7-240 |
|-------|------------------------------------|-------|
| 7.543 | USER_HIVE_TAB_PARTITIONS | 7-240 |
| 7.544 | USER_HIVE_TABLES | 7-241 |
| 7.545 | USER_HOST_ACES | 7-241 |
| 7.546 | USER_IDENTIFIERS | 7-241 |
| 7.547 | USER_ILMDATAMOVEMENTPOLICIES | 7-241 |
| 7.548 | USER_ILMEVALUATIONDETAILS | 7-242 |
| 7.549 | USER_ILMOBJECTS | 7-242 |
| 7.550 | USER_ILMPOLICIES | 7-243 |
| 7.551 | USER_ILMRESULTS | 7-243 |
| 7.552 | USER_ILMTASKS | 7-244 |
| 7.553 | USER_IM_EXPRESSIONS | 7-244 |
| 7.554 | USER_IMMUTABLE_ROW_VERSION_COLS | 7-244 |
| 7.555 | USER_IMMUTABLE_ROW_VERSION_HISTORY | 7-245 |
| 7.556 | USER_IMMUTABLE_TABLE_COLUMNS | 7-245 |
| 7.557 | USER_IMMUTABLE_TABLE_EPOCHS | 7-246 |
| 7.558 | USER_IMMUTABLE_TABLES | 7-246 |
| 7.559 | USER_INCOMPLETE_SAGAS | 7-246 |
| 7.560 | USER_IND_COLUMNS | 7-247 |
| 7.561 | USER_IND_EXPRESSIONS | 7-247 |
| 7.562 | USER_IND_PARTITIONS | 7-247 |
| 7.563 | USER_IND_PENDING_STATS | 7-247 |
| 7.564 | USER_IND_STATISTICS | 7-248 |
| 7.565 | USER_IND_SUBPARTITIONS | 7-248 |
| 7.566 | USER_INDEXES | 7-248 |
| 7.567 | USER_INDEXTYPE_ARRAYTYPES | 7-248 |
| 7.568 | USER_INDEXTYPE_COMMENTS | 7-249 |
| 7.569 | USER_INDEXTYPE_OPERATORS | 7-249 |
| 7.570 | USER_INDEXTYPES | 7-249 |
| 7.571 | USER_INTERNAL_TRIGGERS | 7-249 |
| 7.572 | USER_JAVA_ARGUMENTS | 7-250 |
| 7.573 | USER_JAVA_CLASSES | 7-250 |
| 7.574 | USER_JAVA_COMPILER_OPTIONS | 7-250 |
| 7.575 | USER_JAVA_DERIVATIONS | 7-250 |
| 7.576 | USER_JAVA_FIELDS | 7-251 |
| 7.577 | USER_JAVA_IMPLEMENTS | 7-251 |
| 7.578 | USER_JAVA_INNERS | 7-251 |
| 7.579 | USER_JAVA_LAYOUTS | 7-251 |
| 7.580 | USER_JAVA_METHODS | 7-252 |
| 7.581 | USER_JAVA_NCOMPS | 7-252 |
| 7.582 | USER_JAVA_POLICY | 7-252 |
| 7.583 | USER_JAVA_RESOLVERS | 7-252 |



| 7.584 | USER_JAVA_THROWS | 7-253 |
|-------|---------------------------------|-------|
| 7.585 | USER_JOBS | 7-253 |
| 7.586 | USER_JOIN_IND_COLUMNS | 7-253 |
| 7.587 | USER_JOINGROUPS | 7-253 |
| 7.588 | USER_JSON_COLLECTION_TABLES | 7-254 |
| 7.589 | USER_JSON_COLLECTION_VIEWS | 7-254 |
| 7.590 | USER_JSON_COLLECTIONS | 7-255 |
| 7.591 | USER_JSON_COLUMNS | 7-255 |
| 7.592 | USER_JSON_DATAGUIDE_FIELDS | 7-255 |
| 7.593 | USER_JSON_DATAGUIDES | 7-256 |
| 7.594 | USER_JSON_DOMAIN_SCHEMA_COLUMNS | 7-256 |
| 7.595 | USER_JSON_DUALITY_VIEW_LINKS | 7-256 |
| 7.596 | USER_JSON_DUALITY_VIEW_TAB_COLS | 7-257 |
| 7.597 | USER_JSON_DUALITY_VIEW_TABS | 7-257 |
| 7.598 | USER_JSON_DUALITY_VIEWS | 7-257 |
| 7.599 | USER_JSON_INDEXES | 7-258 |
| 7.600 | USER_JSON_SCHEMA_COLUMNS | 7-258 |
| 7.601 | USER_KAFKA_APPLICATIONS | 7-259 |
| 7.602 | USER_KAFKA_CLUSTERS | 7-259 |
| 7.603 | USER_KAFKA_LOAD_METRICS | 7-260 |
| 7.604 | USER_KAFKA_MESSAGES | 7-260 |
| 7.605 | USER_KAFKA_OPS | 7-261 |
| 7.606 | USER_KAFKA_OPS_RESULTS | 7-261 |
| 7.607 | USER_KAFKA_PARTITIONS | 7-262 |
| 7.608 | USER_LIBRARIES | 7-262 |
| 7.609 | USER_LOB_PARTITIONS | 7-262 |
| 7.610 | USER_LOB_SUBPARTITIONS | 7-262 |
| 7.611 | USER_LOB_TEMPLATES | 7-263 |
| 7.612 | USER_LOBS | 7-263 |
| 7.613 | USER_LOG_GROUP_COLUMNS | 7-263 |
| 7.614 | USER_LOG_GROUPS | 7-263 |
| 7.615 | USER_MEASURE_FOLDER_CONTENTS | 7-264 |
| 7.616 | USER_MEASURE_FOLDER_SUBFOLDERS | 7-264 |
| 7.617 | USER_MEASURE_FOLDERS | 7-264 |
| 7.618 | USER_METADATA_PROPERTIES | 7-264 |
| 7.619 | USER_METHOD_PARAMS | 7-265 |
| 7.620 | USER_METHOD_RESULTS | 7-265 |
| 7.621 | USER_MINING_MODEL_ATTRIBUTES | 7-265 |
| 7.622 | USER_MINING_MODEL_PARTITIONS | 7-265 |
| 7.623 | USER_MINING_MODEL_SETTINGS | 7-266 |
| 7.624 | USER_MINING_MODEL_VIEWS | 7-266 |
| 7.625 | USER_MINING_MODEL_XFORMS | 7-266 |
| | | |



| 7.626 | USER_MINING_MODELS | 7-267 |
|-------|-------------------------------------|-------|
| 7.627 | USER_MLE_ENV_IMPORTS | 7-267 |
| 7.628 | USER_MLE_ENVS | 7-267 |
| 7.629 | USER_MLE_MODULES | 7-268 |
| 7.630 | USER_MLE_PROCEDURES | 7-268 |
| 7.631 | USER_MVIEW_AGGREGATES | 7-268 |
| 7.632 | USER_MVIEW_ANALYSIS | 7-269 |
| 7.633 | USER_MVIEW_COMMENTS | 7-269 |
| 7.634 | USER_MVIEW_DETAIL_LOGICAL_PARTITION | 7-269 |
| 7.635 | USER_MVIEW_DETAIL_PARTITION | 7-270 |
| 7.636 | USER_MVIEW_DETAIL_RELATIONS | 7-270 |
| 7.637 | USER_MVIEW_DETAIL_SUBPARTITION | 7-270 |
| 7.638 | USER_MVIEW_JOINS | 7-270 |
| 7.639 | USER_MVIEW_KEYS | 7-271 |
| 7.640 | USER_MVIEW_LOGS | 7-271 |
| 7.641 | USER_MVIEW_REFRESH_TIMES | 7-271 |
| 7.642 | USER_MVIEWS | 7-271 |
| 7.643 | USER_MVREF_CHANGE_STATS | 7-272 |
| 7.644 | USER_MVREF_RUN_STATS | 7-272 |
| 7.645 | USER_MVREF_STATS | 7-272 |
| 7.646 | USER_MVREF_STATS_PARAMS | 7-272 |
| 7.647 | USER_MVREF_STATS_SYS_DEFAULTS | 7-273 |
| 7.648 | USER_MVREF_STMT_STATS | 7-273 |
| 7.649 | USER_NESTED_TABLE_COLS | 7-273 |
| 7.650 | USER_NESTED_TABLES | 7-274 |
| 7.651 | USER_NETWORK_ACL_PRIVILEGES | 7-274 |
| 7.652 | USER_OBJ_AUDIT_OPTS | 7-275 |
| 7.653 | USER_OBJ_COLATTRS | 7-275 |
| 7.654 | USER_OBJECT_SIZE | 7-275 |
| 7.655 | USER_OBJECT_TABLES | 7-276 |
| 7.656 | USER_OBJECT_USAGE | 7-276 |
| 7.657 | USER_OBJECTS | 7-276 |
| 7.658 | USER_OBJECTS_AE | 7-276 |
| 7.659 | USER_OGG_AUTO_CAPTURED_TABLES | 7-277 |
| 7.660 | USER_OPANCILLARY | 7-277 |
| 7.661 | USER_OPARGUMENTS | 7-277 |
| 7.662 | USER_OPBINDINGS | 7-277 |
| 7.663 | USER_OPERATOR_COMMENTS | 7-278 |
| 7.664 | USER_OPERATORS | 7-278 |
| 7.665 | USER_OUTLINE_HINTS | 7-278 |
| 7.666 | USER_OUTLINES | 7-278 |
| 7.667 | USER_PARALLEL_EXECUTE_CHUNKS | 7-279 |
| | | |



| 7.668 | USER_PARALLEL_EXECUTE_TASKS | 7-279 |
|-------|-----------------------------|-------|
| 7.669 | USER_PART_COL_STATISTICS | 7-279 |
| 7.670 | USER_PART_HISTOGRAMS | 7-279 |
| 7.671 | USER_PART_INDEXES | 7-280 |
| 7.672 | USER_PART_KEY_COLUMNS | 7-280 |
| 7.673 | USER_PART_LOBS | 7-280 |
| 7.674 | USER_PART_TABLES | 7-280 |
| 7.675 | USER_PARTIAL_DROP_TABS | 7-281 |
| 7.676 | USER_PASSWORD_LIMITS | 7-281 |
| 7.677 | USER_PENDING_CONV_TABLES | 7-281 |
| 7.678 | USER_PG_EDGE_RELATIONSHIPS | 7-281 |
| 7.679 | USER_PG_ELEMENT_LABELS | 7-282 |
| 7.680 | USER_PG_ELEMENTS | 7-282 |
| 7.681 | USER_PG_KEYS | 7-283 |
| 7.682 | USER_PG_LABEL_PROPERTIES | 7-283 |
| 7.683 | USER_PG_LABELS | 7-283 |
| 7.684 | USER_PG_PROP_DEFINITIONS | 7-284 |
| 7.685 | USER_PLSQL_COLL_TYPES | 7-284 |
| 7.686 | USER_PLSQL_OBJECT_SETTINGS | 7-284 |
| 7.687 | USER_PLSQL_TYPE_ATTRS | 7-285 |
| 7.688 | USER_PLSQL_TYPES | 7-285 |
| 7.689 | USER_POLICIES | 7-285 |
| 7.690 | USER_POLICY_ATTRIBUTES | 7-285 |
| 7.691 | USER_POLICY_CONTEXTS | 7-286 |
| 7.692 | USER_POLICY_GROUPS | 7-286 |
| 7.693 | USER_PRIVATE_TEMP_TABLES | 7-286 |
| 7.694 | USER_PRIVILEGE_MAP | 7-286 |
| 7.695 | USER_PROCEDURES | 7-287 |
| 7.696 | USER_PROPERTY_GRAPHS | 7-287 |
| 7.697 | USER_PROXIES | 7-287 |
| 7.698 | USER_QUEUE_EVENT_STREAMS | 7-288 |
| 7.699 | USER_QUEUE_SCHEDULES | 7-288 |
| 7.700 | USER_QUEUE_SUBSCRIBERS | 7-288 |
| 7.701 | USER_QUEUE_TABLES | 7-288 |
| 7.702 | USER_QUEUES | 7-289 |
| 7.703 | USER_RECYCLEBIN | 7-289 |
| 7.704 | USER_REFRESH | 7-289 |
| 7.705 | USER_REFRESH_CHILDREN | 7-289 |
| 7.706 | USER_REFS | 7-290 |
| 7.707 | USER_REGISTERED_MVIEWS | 7-290 |
| 7.708 | USER_REGISTRY | 7-290 |
| 7.709 | USER_RESOURCE_LIMITS | 7-290 |



| 7.710 | USER_RESUMABLE | 7-291 |
|-------|--------------------------------|-------|
| 7.711 | USER_REWRITE_EQUIVALENCES | 7-291 |
| 7.712 | USER_ROLE_PRIVS | 7-291 |
| 7.713 | USER_RSRC_CONSUMER_GROUP_PRIVS | 7-292 |
| 7.714 | USER_RSRC_MANAGER_SYSTEM_PRIVS | 7-292 |
| 7.715 | USER_RULE_SET_RULES | 7-292 |
| 7.716 | USER_RULE_SETS | 7-293 |
| 7.717 | USER_RULES | 7-293 |
| 7.718 | USER_SAGA_BROKERS | 7-293 |
| 7.719 | USER_SAGA_DETAILS | 7-293 |
| 7.720 | USER_SAGA_ERRORS | 7-294 |
| 7.721 | USER_SAGA_FINALIZATION | 7-294 |
| 7.722 | USER_SAGA_PARTICIPANT_SET | 7-295 |
| 7.723 | USER_SAGA_PARTICIPANTS | 7-295 |
| 7.724 | USER_SAGA_PENDING | 7-295 |
| 7.725 | USER_SAGAS | 7-296 |
| 7.726 | USER_SCHEDULER_CHAIN_RULES | 7-296 |
| 7.727 | USER_SCHEDULER_CHAIN_STEPS | 7-297 |
| 7.728 | USER_SCHEDULER_CHAINS | 7-297 |
| 7.729 | USER_SCHEDULER_CREDENTIALS | 7-297 |
| 7.730 | USER_SCHEDULER_DB_DESTS | 7-298 |
| 7.731 | USER_SCHEDULER_DESTS | 7-298 |
| 7.732 | USER_SCHEDULER_FILE_WATCHERS | 7-298 |
| 7.733 | USER_SCHEDULER_GROUP_MEMBERS | 7-298 |
| 7.734 | USER_SCHEDULER_GROUPS | 7-299 |
| 7.735 | USER_SCHEDULER_INCOMPAT_MEMBER | 7-299 |
| 7.736 | USER_SCHEDULER_INCOMPATS | 7-299 |
| 7.737 | USER_SCHEDULER_JOB_ARGS | 7-299 |
| 7.738 | USER_SCHEDULER_JOB_DESTS | 7-300 |
| 7.739 | USER_SCHEDULER_JOB_LOG | 7-300 |
| 7.740 | USER_SCHEDULER_JOB_RUN_DETAILS | 7-300 |
| 7.741 | USER_SCHEDULER_JOBS | 7-300 |
| 7.742 | USER_SCHEDULER_NOTIFICATIONS | 7-301 |
| 7.743 | USER_SCHEDULER_PROGRAM_ARGS | 7-301 |
| 7.744 | USER_SCHEDULER_PROGRAMS | 7-301 |
| 7.745 | USER_SCHEDULER_REMOTE_JOBSTATE | 7-301 |
| 7.746 | USER_SCHEDULER_RESOURCES | 7-302 |
| 7.747 | USER_SCHEDULER_RSC_CONSTRAINTS | 7-302 |
| 7.748 | USER_SCHEDULER_RUNNING_CHAINS | 7-302 |
| 7.749 | USER_SCHEDULER_RUNNING_JOBS | 7-302 |
| 7.750 | USER_SCHEDULER_SCHEDULES | 7-303 |
| 7.751 | USER_SCHEMA_PRIVS | 7-303 |
| | | |



| 7.752 | USER_SEC_RELEVANT_COLS | 7-304 |
|-------|-------------------------------|-------|
| 7.753 | USER_SECONDARY_OBJECTS | 7-304 |
| 7.754 | USER_SEGMENTS | 7-304 |
| 7.755 | USER_SEQUENCES | 7-304 |
| 7.756 | USER_SODA_COLLECTIONS | 7-305 |
| 7.757 | USER_SOURCE | 7-305 |
| 7.758 | USER_SOURCE_AE | 7-305 |
| 7.759 | USER_SQL_TRANSLATION_PROFILES | 7-305 |
| 7.760 | USER_SQL_TRANSLATIONS | 7-306 |
| 7.761 | USER_SQLJ_TYPE_ATTRS | 7-306 |
| 7.762 | USER_SQLJ_TYPE_METHODS | 7-306 |
| 7.763 | USER_SQLJ_TYPES | 7-306 |
| 7.764 | USER_SQLSET | 7-307 |
| 7.765 | USER_SQLSET_BINDS | 7-307 |
| 7.766 | USER_SQLSET_PLANS | 7-307 |
| 7.767 | USER_SQLSET_REFERENCES | 7-307 |
| 7.768 | USER_SQLSET_STATEMENTS | 7-308 |
| 7.769 | USER_SQLTUNE_BINDS | 7-308 |
| 7.770 | USER_SQLTUNE_PLANS | 7-308 |
| 7.771 | USER_SQLTUNE_RATIONALE_PLAN | 7-308 |
| 7.772 | USER_SQLTUNE_STATISTICS | 7-309 |
| 7.773 | USER_SR_GRP_STATUS | 7-309 |
| 7.774 | USER_SR_GRP_STATUS_ALL | 7-309 |
| 7.775 | USER_SR_OBJ | 7-309 |
| 7.776 | USER_SR_OBJ_ALL | 7-310 |
| 7.777 | USER_SR_OBJ_STATUS | 7-310 |
| 7.778 | USER_SR_OBJ_STATUS_ALL | 7-310 |
| 7.779 | USER_SR_PARTN_OPS | 7-310 |
| 7.780 | USER_SR_STLOG_EXCEPTIONS | 7-311 |
| 7.781 | USER_SR_STLOG_STATS | 7-311 |
| 7.782 | USER_STAT_EXTENSIONS | 7-311 |
| 7.783 | USER_STATEMENTS | 7-311 |
| 7.784 | USER_STORED_SETTINGS | 7-312 |
| 7.785 | USER_SUBPART_COL_STATISTICS | 7-312 |
| 7.786 | USER_SUBPART_HISTOGRAMS | 7-312 |
| 7.787 | USER_SUBPART_KEY_COLUMNS | 7-312 |
| 7.788 | USER_SUBPARTITION_TEMPLATES | 7-313 |
| 7.789 | USER_SUBSCR_REGISTRATIONS | 7-313 |
| 7.790 | USER_SYNONYMS | 7-313 |
| 7.791 | USER_SYS_PRIVS | 7-313 |
| 7.792 | USER_SYS_PRIVS_ALL | 7-314 |
| 7.793 | USER_TAB_COL_STAT_MODELS | 7-315 |



| 7.794 | USER_TAB_COL_STATISTICS | 7-315 |
|-------|--------------------------------|-------|
| 7.795 | USER_TAB_COLS | 7-315 |
| 7.796 | USER_TAB_COLUMNS | 7-316 |
| 7.797 | USER_TAB_COMMENTS | 7-316 |
| 7.798 | USER_TAB_HISTGRM_PENDING_STATS | 7-316 |
| 7.799 | USER_TAB_HISTOGRAMS | 7-317 |
| 7.800 | USER_TAB_IDENTITY_COLS | 7-317 |
| 7.801 | USER_TAB_MODIFICATIONS | 7-317 |
| 7.802 | USER_TAB_PARTITIONS | 7-317 |
| 7.803 | USER_TAB_PENDING_STATS | 7-318 |
| 7.804 | USER_TAB_PRIVS | 7-318 |
| 7.805 | USER_TAB_PRIVS_MADE | 7-318 |
| 7.806 | USER_TAB_PRIVS_RECD | 7-318 |
| 7.807 | USER_TAB_STAT_PREFS | 7-319 |
| 7.808 | USER_TAB_STATISTICS | 7-319 |
| 7.809 | USER_TAB_STATS_HISTORY | 7-319 |
| 7.810 | USER_TAB_SUBPARTITIONS | 7-319 |
| 7.811 | USER_TABLE_ACCESS_STATS | 7-320 |
| 7.812 | USER_TABLE_VIRTUAL_COLUMNS | 7-320 |
| 7.813 | USER_TABLES | 7-320 |
| 7.814 | USER_TABLESPACES | 7-321 |
| 7.815 | USER_TRANSFORMATIONS | 7-321 |
| 7.816 | USER_TRIGGER_COLS | 7-321 |
| 7.817 | USER_TRIGGER_ORDERING | 7-321 |
| 7.818 | USER_TRIGGERS | 7-322 |
| 7.819 | USER_TRIGGERS_AE | 7-322 |
| 7.820 | USER_TS_QUOTAS | 7-322 |
| 7.821 | USER_TSTZ_TAB_COLS | 7-322 |
| 7.822 | USER_TSTZ_TABLES | 7-323 |
| 7.823 | USER_TUNE_MVIEW | 7-323 |
| 7.824 | USER_TXEVENTQ_MIGRATION_STATUS | 7-323 |
| 7.825 | USER_TYPE_ATTRS | 7-324 |
| 7.826 | USER_TYPE_METHODS | 7-324 |
| 7.827 | USER_TYPE_VERSIONS | 7-324 |
| 7.828 | USER_TYPES | 7-324 |
| 7.829 | USER_UNUSED_COL_TABS | 7-325 |
| 7.830 | USER_UPDATABLE_COLUMNS | 7-325 |
| 7.831 | USER_USERS | 7-325 |
| 7.832 | USER_USTATS | 7-330 |
| 7.833 | USER_VARRAYS | 7-330 |
| 7.834 | USER_VIEWS | 7-330 |
| 7.835 | USER_VIEWS_AE | 7-331 |
| | | |



| 7.836 | USER_WALLET_ACES | 7-331 |
|-------|--|---------------|
| 7.837 | USER_WARNING_SETTINGS | 7-331 |
| 7.838 | USER_XML_INDEXES | 7-331 |
| 7.839 | USER_XML_NESTED_TABLES | 7-332 |
| 7.840 | USER_XML_OUT_OF_LINE_TABLES | 7-332 |
| 7.841 | USER_XML_SCHEMA_ATTRIBUTES | 7-332 |
| 7.842 | USER_XML_SCHEMA_COMPLEX_TYPES | 7-332 |
| 7.843 | USER_XML_SCHEMA_ELEMENTS | 7-333 |
| 7.844 | USER_XML_SCHEMA_NAMESPACES | 7-333 |
| 7.845 | USER_XML_SCHEMA_SIMPLE_TYPES | 7-333 |
| 7.846 | USER_XML_SCHEMA_SUBSTGRP_HEAD | 7-333 |
| 7.847 | USER_XML_SCHEMA_SUBSTGRP_MBRS | 7-334 |
| 7.848 | USER_XML_SCHEMAS | 7-334 |
| 7.849 | USER_XML_TAB_COLS | 7-334 |
| 7.850 | USER_XML_TABLES | 7-334 |
| 7.851 | USER_XML_VIEW_COLS | 7-335 |
| 7.852 | USER_XML_VIEWS | 7-335 |
| 7.853 | USER_XTERNAL_LOC_PARTITIONS | 7-335 |
| 7.854 | USER_XTERNAL_LOC_SUBPARTITIONS | 7-335 |
| 7.855 | USER_XTERNAL_PART_TABLES | 7-336 |
| 7.856 | USER_XTERNAL_TAB_PARTITIONS | 7-336 |
| 7.857 | USER_XTERNAL_TAB_SUBPARTITIONS | 7-336 |
| 7.858 | USER_ZONEMAP_MEASURES | 7-336 |
| 7.859 | USER_ZONEMAPS | 7-337 |
| Ш | Dynamic Performance Views | |
| Dyna | amic Performance (V\$) Views: V\$ACCESS to V\$ | HVMASTER_INFO |
| 8.1 | About Dynamic Performance Views | 8-1 |
| 8. | 1.1 V\$ Views | 8-2 |
| 8. | 1.2 GV\$ Views | 8-2 |
| 8.2 | Oracle Exadata Database Machine Views | 8-3 |
| 8.3 | Dynamic Performance View Descriptions | 8-3 |
| 8.4 | V\$ACCESS | 8-3 |
| 8.5 | V\$ACTIVE_INSTANCES | 8-4 |
| 8.6 | V\$ACTIVE_SERVICES | 8-4 |
| 8.7 | V\$ACTIVE_SESS_POOL_MTH | 8-7 |
| 8.8 | V\$ACTIVE_SESSION_HISTORY | 8-7 |
| 8.9 | V\$ACTIVITY_MVIEW | 8-13 |
| 8 10 | V\$ACTIVITY TABLE | 8-15 |



Part

8

| 8-17 |
|------|
| 9-17 |
| 8-18 |
| 8-23 |
| 8-25 |
| 8-30 |
| 8-35 |
| 8-36 |
| 8-36 |
| 8-37 |
| 8-39 |
| 8-39 |
| 8-40 |
| 8-41 |
| 8-41 |
| 8-42 |
| 8-43 |
| 8-45 |
| 8-46 |
| 8-47 |
| 8-48 |
| 8-49 |
| 8-51 |
| 8-51 |
| 8-52 |
| 8-53 |
| 8-54 |
| 8-55 |
| 8-59 |
| 8-62 |
| 8-62 |
| 8-63 |
| 8-65 |
| 8-66 |
| 8-67 |
| 8-68 |
| 8-69 |
| 8-71 |
| 8-71 |
| 8-72 |
| 0.70 |
| 8-73 |
| |



| 8.53 | V\$ASM_AUDIT_CONFIG_PARAMS | 8-75 |
|------|-------------------------------|-------|
| 8.54 | V\$ASM_AUDIT_LAST_ARCH_TS | 8-76 |
| 8.55 | V\$ASM_CLIENT | 8-76 |
| 8.56 | V\$ASM_DBCLONE_INFO | 8-78 |
| 8.57 | V\$ASM_DISK | 8-78 |
| 8.58 | V\$ASM_DISK_IOSTAT | 8-83 |
| 8.59 | V\$ASM_DISK_STAT | 8-84 |
| 8.60 | V\$ASM_DISKGROUP | 8-85 |
| 8.61 | V\$ASM_DISKGROUP_STAT | 8-87 |
| 8.62 | V\$ASM_ESTIMATE | 8-87 |
| 8.63 | V\$ASM_FILE | 8-88 |
| 8.64 | V\$ASM_FILEGROUP | 8-90 |
| 8.65 | V\$ASM_FILEGROUP_FILE | 8-92 |
| 8.66 | V\$ASM_FILEGROUP_PROPERTY | 8-92 |
| 8.67 | V\$ASM_FILESYSTEM | 8-94 |
| 8.68 | V\$ASM_OPERATION | 8-95 |
| 8.69 | V\$ASM_QUOTAGROUP | 8-97 |
| 8.70 | V\$ASM_TEMPLATE | 8-98 |
| 8.71 | V\$ASM_USER | 8-99 |
| 8.72 | V\$ASM_USERGROUP | 8-99 |
| 8.73 | V\$ASM_USERGROUP_MEMBER | 8-100 |
| 8.74 | V\$ASM_VOLUME | 8-101 |
| 8.75 | V\$ASM_VOLUME_STAT | 8-102 |
| 8.76 | V\$AUTHPOOL_STATS | 8-103 |
| 8.77 | V\$AUTO_IM_FEATURES | 8-104 |
| 8.78 | V\$AW_AGGREGATE_OP | 8-104 |
| 8.79 | V\$AW_ALLOCATE_OP | 8-105 |
| 8.80 | V\$AW_CALC | 8-105 |
| 8.81 | V\$AW_LONGOPS | 8-106 |
| 8.82 | V\$AW_OLAP | 8-107 |
| 8.83 | V\$AW_SESSION_INFO | 8-108 |
| 8.84 | V\$BACKUP | 8-109 |
| 8.85 | V\$BACKUP_ARCHIVELOG_DETAILS | 8-109 |
| 8.86 | V\$BACKUP_ARCHIVELOG_SUMMARY | 8-110 |
| 8.87 | V\$BACKUP_ASYNC_IO | 8-111 |
| 8.88 | V\$BACKUP_CONTROLFILE_DETAILS | 8-112 |
| 8.89 | V\$BACKUP_CONTROLFILE_SUMMARY | 8-113 |
| 8.90 | V\$BACKUP_COPY_DETAILS | 8-113 |
| 8.91 | V\$BACKUP_COPY_SUMMARY | 8-114 |
| 8.92 | V\$BACKUP_CORRUPTION | 8-115 |
| 8.93 | V\$BACKUP_DATAFILE | 8-116 |
| 8.94 | V\$BACKUP_DATAFILE_DETAILS | 8-118 |
| | | |



| 8.95 | V\$BACKUP_DATAFILE_SUMMARY | 8-119 |
|-------|------------------------------|-------|
| 8.96 | V\$BACKUP_DEVICE | 8-120 |
| 8.97 | V\$BACKUP_FILES | 8-120 |
| 8.98 | V\$BACKUP_NONLOGGED | 8-123 |
| 8.99 | V\$BACKUP_PIECE | 8-124 |
| 8.100 | V\$BACKUP_PIECE_DETAILS | 8-125 |
| 8.101 | V\$BACKUP_REDOLOG | 8-127 |
| 8.102 | V\$BACKUP_SET | 8-128 |
| 8.103 | V\$BACKUP_SET_DETAILS | 8-129 |
| 8.104 | V\$BACKUP_SET_SUMMARY | 8-131 |
| 8.105 | V\$BACKUP_SPFILE | 8-132 |
| 8.106 | V\$BACKUP_SPFILE_DETAILS | 8-132 |
| 8.107 | V\$BACKUP_SPFILE_SUMMARY | 8-133 |
| 8.108 | V\$BACKUP_SYNC_IO | 8-133 |
| 8.109 | V\$BGPROCESS | 8-134 |
| 8.110 | V\$BH | 8-135 |
| 8.111 | V\$BLOCK_CHANGE_TRACKING | 8-137 |
| 8.112 | V\$BLOCKING_QUIESCE | 8-137 |
| 8.113 | V\$BT_SCAN_CACHE | 8-138 |
| 8.114 | V\$BT_SCAN_OBJ_TEMPS | 8-138 |
| 8.115 | V\$BUFFER_POOL | 8-139 |
| 8.116 | V\$BUFFER_POOL_STATISTICS | 8-140 |
| 8.117 | V\$BUFFERED_PUBLISHERS | 8-141 |
| 8.118 | V\$BUFFERED_QUEUES | 8-142 |
| 8.119 | V\$BUFFERED_SUBSCRIBERS | 8-143 |
| 8.120 | V\$CACHE | 8-144 |
| 8.121 | V\$CACHE_FUSION_HISTOGRAM | 8-146 |
| 8.122 | V\$CACHE_LOCK | 8-147 |
| 8.123 | V\$CACHE_TRANSFER | 8-148 |
| 8.124 | V\$CHUNK_METRIC | 8-150 |
| 8.125 | V\$CIRCUIT | 8-150 |
| 8.126 | V\$CLASS_CACHE_TRANSFER | 8-151 |
| 8.127 | V\$CLEANUP_PROCESS | 8-152 |
| 8.128 | V\$CLIENT_SECRETS | 8-153 |
| 8.129 | V\$CLIENT_STATS | 8-154 |
| 8.130 | V\$CLONEDFILE | 8-155 |
| 8.131 | V\$CLUSTER_INTERCONNECTS | 8-155 |
| 8.132 | V\$CODE_CLAUSE | 8-156 |
| 8.133 | V\$CON_EVENT_HISTOGRAM_MICRO | 8-157 |
| 8.134 | V\$CON_SYS_TIME_MODEL | 8-158 |
| 8.135 | V\$CON_SYSMETRIC | 8-158 |
| 8.136 | V\$CON_SYSMETRIC_HISTORY | 8-159 |
| | | |



| 8.137 | V\$CON_SYSMETRIC_SUMMARY | 8-160 |
|-------|-------------------------------|-------|
| 8.138 | V\$CON_SYSSTAT | 8-161 |
| 8.139 | V\$CON_SYSTEM_EVENT | 8-161 |
| 8.140 | V\$CON_SYSTEM_WAIT_CLASS | 8-162 |
| 8.141 | V\$CONFIGURED_INTERCONNECTS | 8-163 |
| 8.142 | V\$CONTAINER_TOPOLOGY | 8-164 |
| 8.143 | V\$CONTAINERS | 8-165 |
| 8.144 | V\$CONTEXT | 8-166 |
| 8.145 | V\$CONTROLFILE | 8-167 |
| 8.146 | V\$CONTROLFILE_RECORD_SECTION | 8-167 |
| 8.147 | V\$COPY_CORRUPTION | 8-169 |
| 8.148 | V\$COPY_NONLOGGED | 8-169 |
| 8.149 | V\$CORRUPT_XID_LIST | 8-170 |
| 8.150 | V\$CPOOL_CC_INFO | 8-171 |
| 8.151 | V\$CPOOL_CC_STATS | 8-171 |
| 8.152 | V\$CPOOL_CONN_INFO | 8-172 |
| 8.153 | V\$CPOOL_STATS | 8-173 |
| 8.154 | V\$CR_BLOCK_SERVER | 8-174 |
| 8.155 | V\$CURRENT_BLOCK_SERVER | 8-175 |
| 8.156 | V\$DATABASE | 8-176 |
| 8.157 | V\$DATABASE_BLOCK_CORRUPTION | 8-185 |
| 8.158 | V\$DATABASE_INCARNATION | 8-185 |
| 8.159 | V\$DATABASE_KEY_INFO | 8-186 |
| 8.160 | V\$DATAFILE | 8-187 |
| 8.161 | V\$DATAFILE_COPY | 8-189 |
| 8.162 | V\$DATAFILE_HEADER | 8-191 |
| 8.163 | V\$DATAGUARD_CONFIG | 8-192 |
| 8.164 | V\$DATAGUARD_PROCESS | 8-193 |
| 8.165 | V\$DATAGUARD_STATS | 8-197 |
| 8.166 | V\$DATAGUARD_STATUS | 8-198 |
| 8.167 | V\$DATAPUMP_PROCESS_INFO | 8-199 |
| 8.168 | V\$DATAPUMP_SESSIONWAIT_INFO | 8-200 |
| 8.169 | V\$DB_CACHE_ADVICE | 8-202 |
| 8.170 | V\$DB_OBJECT_CACHE | 8-203 |
| 8.171 | V\$DB_PIPES | 8-204 |
| 8.172 | V\$DB_TRANSPORTABLE_PLATFORM | 8-205 |
| 8.173 | V\$DBFILE | 8-205 |
| 8.174 | V\$DBLINK | 8-206 |
| 8.175 | V\$DEAD_CLEANUP | 8-206 |
| 8.176 | V\$DELETED_OBJECT | 8-208 |
| 8.177 | V\$DG_BROKER_CONFIG | 8-209 |
| 8.178 | V\$DG_BROKER_ROLE_CHANGE | 8-209 |
| | | |



| 8.179 | V\$DIAG_ALERT_EXT | 8-210 |
|-------|--------------------------------|-------|
| 8.180 | V\$DIAG_APP_TRACE_FILE | 8-214 |
| 8.181 | V\$DIAG_ATTENTION | 8-215 |
| 8.182 | V\$DIAG_INCIDENT | 8-219 |
| 8.183 | V\$DIAG_INCIDENT_FILE_CONTENTS | 8-220 |
| 8.184 | V\$DIAG_INFO | 8-221 |
| 8.185 | V\$DIAG_OPT_TRACE_RECORDS | 8-222 |
| 8.186 | V\$DIAG_PROBLEM | 8-223 |
| 8.187 | V\$DIAG_SESS_OPT_TRACE_RECORDS | 8-224 |
| 8.188 | V\$DIAG_SESS_SQL_TRACE_RECORDS | 8-225 |
| 8.189 | V\$DIAG_SQL_TRACE_RECORDS | 8-227 |
| 8.190 | V\$DIAG_TRACE_FILE | 8-228 |
| 8.191 | V\$DIAG_TRACE_FILE_CONTENTS | 8-229 |
| 8.192 | V\$DISPATCHER | 8-230 |
| 8.193 | V\$DISPATCHER_CONFIG | 8-231 |
| 8.194 | V\$DISPATCHER_RATE | 8-231 |
| 8.195 | V\$DNFS_CHANNELS | 8-235 |
| 8.196 | V\$DNFS_FILES | 8-236 |
| 8.197 | V\$DNFS_SERVERS | 8-237 |
| 8.198 | V\$DNFS_STATS | 8-238 |
| 8.199 | V\$DYNAMIC_REMASTER_STATS | 8-239 |
| 8.200 | V\$EDITIONABLE_TYPES | 8-240 |
| 8.201 | V\$EMON | 8-240 |
| 8.202 | V\$ENABLEDPRIVS | 8-242 |
| 8.203 | V\$ENABLEDSCHEMAPRIVS | 8-242 |
| 8.204 | V\$ENCRYPTED_TABLESPACES | 8-243 |
| 8.205 | V\$ENCRYPTION_KEYS | 8-244 |
| 8.206 | V\$ENCRYPTION_WALLET | 8-246 |
| 8.207 | V\$ENQUEUE_LOCK | 8-248 |
| 8.208 | V\$ENQUEUE_STAT | 8-249 |
| 8.209 | V\$ENQUEUE_STATISTICS | 8-249 |
| 8.210 | V\$EQ_CACHED_PARTITIONS | 8-250 |
| 8.211 | V\$EQ_CROSS_INSTANCE_JOBS | 8-251 |
| 8.212 | V\$EQ_INACTIVE_PARTITIONS | 8-253 |
| 8.213 | V\$EQ_MESSAGE_CACHE | 8-253 |
| 8.214 | V\$EQ_MESSAGE_CACHE_ADVICE | 8-254 |
| 8.215 | V\$EQ_MESSAGE_CACHE_STAT | 8-256 |
| 8.216 | V\$EQ_NONDUR_SUBSCRIBER | 8-258 |
| 8.217 | V\$EQ_NONDUR_SUBSCRIBER_LWM | 8-259 |
| 8.218 | V\$EQ_PARTITION_STATS | 8-259 |
| 8.219 | V\$EQ_REMOTE_DEQUEUE_AFFINITY | 8-261 |
| 8.220 | V\$EQ_SUBSCRIBER_LOAD | 8-262 |



| 8.221 | V\$EQ_SUBSCRIBER_STAT | 8-263 |
|-------|--------------------------------|-------|
| 8.222 | V\$EQ_UNCACHED_PARTITIONS | 8-264 |
| 8.223 | V\$EVENT_HISTOGRAM | 8-265 |
| 8.224 | V\$EVENT_HISTOGRAM_MICRO | 8-265 |
| 8.225 | V\$EVENT_NAME | 8-266 |
| 8.226 | V\$EVENTMETRIC | 8-267 |
| 8.227 | V\$EXADIRECT_ACL | 8-267 |
| 8.228 | V\$EXECUTION | 8-268 |
| 8.229 | V\$EXP_STATS | 8-268 |
| 8.230 | V\$FALSE_PING | 8-269 |
| 8.231 | V\$FAST_START_FAILOVER_CONFIG | 8-270 |
| 8.232 | V\$FAST_START_SERVERS | 8-273 |
| 8.233 | V\$FAST_START_TRANSACTIONS | 8-273 |
| 8.234 | V\$FILE_CACHE_TRANSFER | 8-274 |
| 8.235 | V\$FILE_HISTOGRAM | 8-275 |
| 8.236 | V\$FILEMETRIC | 8-276 |
| 8.237 | V\$FILEMETRIC_HISTORY | 8-276 |
| 8.238 | V\$FILESPACE_USAGE | 8-277 |
| 8.239 | V\$FILESTAT | 8-277 |
| 8.240 | V\$FIXED_TABLE | 8-278 |
| 8.241 | V\$FIXED_VIEW_DEFINITION | 8-279 |
| 8.242 | V\$FLASHBACK_DATABASE_LOG | 8-279 |
| 8.243 | V\$FLASHBACK_DATABASE_LOGFILE | 8-280 |
| 8.244 | V\$FLASHBACK_DATABASE_STAT | 8-280 |
| 8.245 | V\$FLASHBACK_LOG_DEST | 8-281 |
| 8.246 | V\$FLASHBACK_TXN_GRAPH | 8-282 |
| 8.247 | V\$FLASHBACK_TXN_MODS | 8-283 |
| 8.248 | V\$FLASHFILESTAT | 8-284 |
| 8.249 | V\$FOREIGN_ARCHIVED_LOG | 8-284 |
| 8.250 | V\$FS_FAILOVER_OBSERVERS | 8-287 |
| 8.251 | V\$FS_FAILOVER_STATS | 8-288 |
| 8.252 | V\$FS_OBSERVER_HISTOGRAM | 8-288 |
| 8.253 | V\$GC_ELEMENT | 8-290 |
| 8.254 | V\$GC_ELEMENTS_WITH_COLLISIONS | 8-290 |
| 8.255 | V\$GCR_ACTIONS | 8-291 |
| 8.256 | V\$GCR_LOG | 8-292 |
| 8.257 | V\$GCR_METRICS | 8-292 |
| 8.258 | V\$GCR_STATUS | 8-294 |
| 8.259 | V\$GCSHVMASTER_INFO | 8-294 |
| 8.260 | V\$GCSPFMASTER_INFO | 8-295 |
| 8.261 | V\$GES_BLOCKING_ENQUEUE | 8-295 |
| 8.262 | V\$GES_CONVERT_LOCAL | 8-296 |
| | | |



| 8.263 | V\$GES_CONVERT_REMOTE | 8-297 |
|-------|--|-------|
| 8.264 | V\$GES_DEADLOCK_SESSIONS | 8-298 |
| 8.265 | V\$GES_DEADLOCKS | 8-299 |
| 8.266 | V\$GES_ENQUEUE | 8-300 |
| 8.267 | V\$GES_LATCH | 8-301 |
| 8.268 | V\$GES_RESOURCE | 8-301 |
| 8.269 | V\$GES_STATISTICS | 8-302 |
| 8.270 | V\$GG_APPLY_COORDINATOR | 8-302 |
| 8.271 | V\$GG_APPLY_READER | 8-304 |
| 8.272 | V\$GG_APPLY_RECEIVER | 8-306 |
| 8.273 | V\$GG_APPLY_SERVER | 8-307 |
| 8.274 | V\$GLOBAL_BLOCKED_LOCKS | 8-310 |
| 8.275 | V\$GLOBAL_TRANSACTION | 8-310 |
| 8.276 | V\$GOLDENGATE_CAPABILITIES | 8-311 |
| 8.277 | V\$GOLDENGATE_CAPTURE | 8-312 |
| 8.278 | V\$GOLDENGATE_MESSAGE_TRACKING | 8-315 |
| 8.279 | V\$GOLDENGATE_PROCEDURE_STATS | 8-316 |
| 8.280 | V\$GOLDENGATE_TABLE_STATS | 8-317 |
| 8.281 | V\$GOLDENGATE_TRANSACTION | 8-318 |
| 8.282 | V\$HANG_INFO | 8-320 |
| 8.283 | V\$HANG_SESSION_INFO | 8-322 |
| 8.284 | V\$HANG_STATISTICS | 8-322 |
| 8.285 | V\$HEAT_MAP_SEGMENT | 8-323 |
| 8.286 | V\$HM_CHECK | 8-324 |
| 8.287 | V\$HM_CHECK_PARAM | 8-324 |
| 8.288 | V\$HM_FINDING | 8-325 |
| 8.289 | V\$HM_INFO | 8-326 |
| 8.290 | V\$HM_RECOMMENDATION | 8-326 |
| 8.291 | V\$HM_RUN | 8-327 |
| 8.292 | V\$HS_AGENT | 8-328 |
| 8.293 | V\$HS_PARAMETER | 8-329 |
| 8.294 | V\$HS_SESSION | 8-329 |
| 8.295 | V\$HVMASTER_INFO | 8-330 |
| Dyna | mic Performance (V\$) Views: V\$IM_COLUMN_LEVEL to | |
| V\$RU | JLE_SET_AGGREGATE_STATS | |
| 9.1 V | \$IM_COLUMN_LEVEL | 9-1 |
| 9.2 V | \$IM_SEGMENTS | 9-2 |
| 9.3 V | \$IM_USER_SEGMENTS | 9-4 |
| 9.4 V | \$INDEX_USAGE_INFO | 9-5 |
| 9.4 V | | |



9

| 9.6 | V\$INMEMORY_AREA | 9-7 |
|------|------------------------------|------|
| 9.7 | V\$INMEMORY_FASTSTART_AREA | 9-8 |
| 9.8 | V\$INMEMORY_SIZE_ADVICE | 9-9 |
| 9.9 | V\$INSTANCE | 9-9 |
| 9.10 | V\$INSTANCE_CACHE_TRANSFER | 9-12 |
| 9.11 | V\$INSTANCE_PING | 9-13 |
| 9.12 | V\$INSTANCE_RECOVERY | 9-14 |
| 9.13 | V\$IO_CALIBRATION_STATUS | 9-16 |
| 9.14 | V\$IO_OUTLIER | 9-16 |
| 9.15 | V\$IOFUNCMETRIC | 9-17 |
| 9.16 | V\$IOFUNCMETRIC_HISTORY | 9-17 |
| 9.17 | V\$IOS_CLIENT | 9-18 |
| 9.18 | V\$IOSTAT_CONSUMER_GROUP | 9-18 |
| 9.19 | V\$IOSTAT_FILE | 9-19 |
| 9.20 | V\$IOSTAT_FUNCTION | 9-20 |
| 9.21 | V\$IOSTAT_FUNCTION_DETAIL | 9-21 |
| 9.22 | V\$IOSTAT_NETWORK | 9-22 |
| 9.23 | V\$IP_ACL | 9-23 |
| 9.24 | V\$JAVA_LIBRARY_CACHE_MEMORY | 9-23 |
| 9.25 | V\$JAVA_POOL_ADVICE | 9-24 |
| 9.26 | V\$KERNEL_IO_OUTLIER | 9-25 |
| 9.27 | V\$KEY_VECTOR | 9-26 |
| 9.28 | V\$LATCH | 9-28 |
| 9.29 | V\$LATCH_CHILDREN | 9-29 |
| 9.30 | V\$LATCH_MISSES | 9-30 |
| 9.31 | V\$LATCH_PARENT | 9-31 |
| 9.32 | V\$LATCHHOLDER | 9-31 |
| 9.33 | V\$LATCHNAME | 9-31 |
| 9.34 | V\$LCR_CACHE | 9-32 |
| 9.35 | V\$LGWRIO_OUTLIER | 9-33 |
| 9.36 | V\$LIBCACHE_LOCKS | 9-34 |
| 9.37 | V\$LIBRARY_CACHE_MEMORY | 9-34 |
| 9.38 | V\$LIBRARYCACHE | 9-35 |
| 9.39 | V\$LICENSE | 9-36 |
| 9.40 | V\$LOADISTAT | 9-36 |
| 9.41 | V\$LOADPSTAT | 9-37 |
| 9.42 | V\$LOCK | 9-37 |
| 9.43 | V\$LOCK_ACTIVITY | 9-39 |
| 9.44 | V\$LOCK_TYPE | 9-40 |
| 9.45 | V\$LOCKDOWN_RULES | 9-41 |
| 9.46 | V\$LOCKED_OBJECT | 9-41 |
| 9.47 | V\$LOG | 9-42 |
| | | |



| V\$LOG_HISTORY | 9-43 |
|------------------------------|--|
| V\$LOGFILE | 9-44 |
| V\$LOGHIST | 9-44 |
| V\$LOGMNR_CONTENTS | 9-45 |
| V\$LOGMNR_DICTIONARY | 9-50 |
| V\$LOGMNR_DICTIONARY_LOAD | 9-51 |
| V\$LOGMNR_LATCH | 9-52 |
| V\$LOGMNR_LOGS | 9-52 |
| V\$LOGMNR_PARAMETERS | 9-53 |
| V\$LOGMNR_PROCESS | 9-54 |
| V\$LOGMNR_SESSION | 9-55 |
| V\$LOGMNR_STATS | 9-57 |
| V\$LOGSTDBY | 9-59 |
| V\$LOGSTDBY_PROCESS | 9-59 |
| V\$LOGSTDBY_PROGRESS | 9-60 |
| V\$LOGSTDBY_STATE | 9-61 |
| V\$LOGSTDBY_STATS | 9-62 |
| V\$LOGSTDBY_TRANSACTION | 9-64 |
| V\$MANAGED_STANDBY | 9-65 |
| V\$MAP_COMP_LIST | 9-67 |
| V\$MAP_ELEMENT | 9-68 |
| V\$MAP_EXT_ELEMENT | 9-68 |
| V\$MAP_FILE | 9-69 |
| V\$MAP_FILE_EXTENT | 9-70 |
| V\$MAP_FILE_IO_STACK | 9-70 |
| V\$MAP_LIBRARY | 9-71 |
| V\$MAP_SUBELEMENT | 9-72 |
| V\$MAPPED_SQL | 9-72 |
| V\$MEMOPTIMIZE_WRITE_AREA | 9-73 |
| V\$MEMORY_CURRENT_RESIZE_OPS | 9-74 |
| V\$MEMORY_DYNAMIC_COMPONENTS | 9-75 |
| V\$MEMORY_RESIZE_OPS | 9-75 |
| V\$MEMORY_TARGET_ADVICE | 9-76 |
| V\$METRIC | 9-77 |
| V\$METRICGROUP | 9-78 |
| V\$METRIC_HISTORY | 9-79 |
| V\$METRICNAME | 9-79 |
| V\$MTTR_TARGET_ADVICE | 9-80 |
| V\$MUTEX_SLEEP | 9-81 |
| V\$MUTEX_SLEEP_HISTORY | 9-82 |
| V\$MVREFRESH | 9-82 |
| V\$MYSTAT | 9-83 |
| | V\$LOGFILE V\$LOGHIST V\$LOGMNR_CONTENTS V\$LOGMNR_DICTIONARY V\$LOGMNR_DICTIONARY_LOAD V\$LOGMNR_LATCH V\$LOGMNR_LOGS V\$LOGMNR_PARAMETERS V\$LOGMNR_PROCESS V\$LOGMNR_SESSION V\$LOGMNR_STATS V\$LOGSTDBY V\$LOGSTDBY V\$LOGSTDBY_PROCESS V\$LOGSTDBY_PROCESS V\$LOGSTDBY_PROCESS V\$LOGSTDBY_STATE V\$LOGSTDBY_STATE V\$LOGSTDBY_STATE V\$LOGSTDBY_STATE V\$LOGSTDBY_STATS V\$MAP_ELEMENT V\$MAP_ELEMENT V\$MAP_ELEMENT V\$MAP_ELEMENT V\$MAP_FILE_OSTACK V\$MAP_FILE_OSTACK V\$MAP_LIBRARY V\$MAP_SUBELEMENT V\$MAP_SUBELEME |



| 9.90 | V\$NFS_CLIENTS | 9-83 |
|-------|--------------------------------|-------|
| 9.91 | V\$NFS_LOCKS | 9-84 |
| 9.92 | V\$NFS_OPEN_FILES | 9-84 |
| 9.93 | V\$NLS_PARAMETERS | 9-85 |
| 9.94 | V\$NLS_VALID_VALUES | 9-85 |
| 9.95 | V\$NONLOGGED_BLOCK | 9-86 |
| 9.96 | V\$OBJECT_DEPENDENCY | 9-87 |
| 9.97 | V\$OBJECT_PRIVILEGE | 9-88 |
| 9.98 | V\$OBSOLETE_BACKUP_FILES | 9-88 |
| 9.99 | V\$OBSOLETE_PARAMETER | 9-90 |
| 9.100 | V\$OFFLINE_RANGE | 9-90 |
| 9.101 | V\$OFS_STATS | 9-91 |
| 9.102 | V\$OFS_THREADS | 9-93 |
| 9.103 | V\$OFSMOUNT | 9-94 |
| 9.104 | V\$ONLINE_REDEF | 9-94 |
| 9.105 | V\$OPEN_CURSOR | 9-95 |
| 9.106 | V\$OPTIMIZER_PROCESSING_RATE | 9-97 |
| 9.107 | V\$OPTION | 9-97 |
| 9.108 | V\$OSSTAT | 9-98 |
| 9.109 | V\$PARALLEL_DEGREE_LIMIT_MTH | 9-100 |
| 9.110 | V\$PARAMETER | 9-100 |
| 9.111 | V\$PARAMETER_VALID_VALUES | 9-103 |
| 9.112 | V\$PARAMETER2 | 9-103 |
| 9.113 | V\$PASSWORDFILE_INFO | 9-105 |
| 9.114 | V\$PATCHES | 9-106 |
| 9.115 | V\$PDB_INCARNATION | 9-106 |
| 9.116 | V\$PDBS | 9-107 |
| 9.117 | V\$PERSISTENT_PUBLISHERS | 9-109 |
| 9.118 | V\$PERSISTENT_QMN_CACHE | 9-110 |
| 9.119 | V\$PERSISTENT_QUEUES | 9-111 |
| 9.120 | V\$PERSISTENT_SUBSCRIBERS | 9-113 |
| 9.121 | V\$PGA_TARGET_ADVICE | 9-114 |
| 9.122 | V\$PGA_TARGET_ADVICE_HISTOGRAM | 9-116 |
| 9.123 | V\$PGASTAT | 9-117 |
| 9.124 | V\$PKCS11_PATH | 9-119 |
| 9.125 | V\$PLSQL_DEBUGGABLE_SESSIONS | 9-119 |
| 9.126 | V\$PMEM_FILESTORE | 9-120 |
| 9.127 | V\$PQ_SESSTAT | 9-121 |
| 9.128 | V\$PQ_SLAVE | 9-122 |
| 9.129 | V\$PQ_SYSSTAT | 9-122 |
| 9.130 | V\$PQ_TQSTAT | 9-124 |
| 9.131 | V\$PROCESS | 9-124 |



| 9.132 | V\$PROCESS_MEMORY | 9-126 |
|-------|----------------------------------|-------|
| 9.133 | V\$PROCESS_MEMORY_DETAIL | 9-126 |
| 9.134 | V\$PROCESS_POOL | 9-127 |
| 9.135 | V\$PROPAGATION_RECEIVER | 9-128 |
| 9.136 | V\$PROPAGATION_SENDER | 9-129 |
| 9.137 | V\$PROXY_ARCHIVEDLOG | 9-131 |
| 9.138 | V\$PROXY_ARCHIVELOG_DETAILS | 9-132 |
| 9.139 | V\$PROXY_ARCHIVELOG_SUMMARY | 9-133 |
| 9.140 | V\$PROXY_COPY_DETAILS | 9-134 |
| 9.141 | V\$PROXY_COPY_SUMMARY | 9-135 |
| 9.142 | V\$PROXY_DATAFILE | 9-135 |
| 9.143 | V\$PROXY_PDB_TARGETS | 9-137 |
| 9.144 | V\$PWFILE_USERS | 9-138 |
| 9.145 | V\$PX_INSTANCE_GROUP | 9-140 |
| 9.146 | V\$PX_PROCESS | 9-140 |
| 9.147 | V\$PX_PROCESS_DETAIL | 9-141 |
| 9.148 | V\$PX_PROCESS_SYSSTAT | 9-141 |
| 9.149 | V\$PX_SERVER | 9-143 |
| 9.150 | V\$PX_SESSION | 9-143 |
| 9.151 | V\$PX_SESSTAT | 9-144 |
| 9.152 | V\$QMON_COORDINATOR_STATS | 9-145 |
| 9.153 | V\$QMON_SERVER_STATS | 9-146 |
| 9.154 | V\$QMON_TASK_STATS | 9-147 |
| 9.155 | V\$QMON_TASKS | 9-147 |
| 9.156 | V\$QUARANTINE | 9-148 |
| 9.157 | V\$QUARANTINE_SUMMARY | 9-148 |
| 9.158 | V\$QUEUE | 9-149 |
| 9.159 | V\$QUEUEING_MTH | 9-149 |
| 9.160 | V\$RAC_TWO_STAGE_ROLLING_UPDATES | 9-150 |
| 9.161 | V\$RECOVER_FILE | 9-150 |
| 9.162 | V\$RECOVERY_AREA_USAGE | 9-151 |
| 9.163 | V\$RECOVERY_FILE_DEST | 9-151 |
| 9.164 | V\$RECOVERY_FILE_STATUS | 9-152 |
| 9.165 | V\$RECOVERY_LOG | 9-153 |
| 9.166 | V\$RECOVERY_PROGRESS | 9-154 |
| 9.167 | V\$RECOVERY_SLAVE | 9-155 |
| 9.168 | V\$RECOVERY_STATUS | 9-155 |
| 9.169 | V\$RECOVERY_WORKER | 9-156 |
| 9.170 | V\$REDO_DEST_RESP_HISTOGRAM | 9-158 |
| 9.171 | V\$REQDIST | 9-158 |
| 9.172 | V\$RESERVED_WORDS | 9-159 |
| 9.173 | V\$RESOURCE | 9-159 |



| 9.174 | V\$RESOURCE_LIMIT | 9-160 |
|-------|--------------------------------|-------|
| 9.175 | V\$RESTORE_POINT | 9-161 |
| 9.176 | V\$RESULT_CACHE_DEPENDENCY | 9-162 |
| 9.177 | V\$RESULT_CACHE_MEMORY | 9-162 |
| 9.178 | V\$RESULT_CACHE_OBJECTS | 9-163 |
| 9.179 | V\$RESULT_CACHE_STATISTICS | 9-165 |
| 9.180 | V\$RESULT_SUBCACHE_STATISTICS | 9-166 |
| 9.181 | V\$RMAN_BACKUP_JOB_DETAILS | 9-166 |
| 9.182 | V\$RMAN_BACKUP_SUBJOB_DETAILS | 9-168 |
| 9.183 | V\$RMAN_BACKUP_TYPE | 9-169 |
| 9.184 | V\$RMAN_COMPRESSION_ALGORITHM | 9-170 |
| 9.185 | V\$RMAN_CONFIGURATION | 9-170 |
| 9.186 | V\$RMAN_ENCRYPTION_ALGORITHMS | 9-171 |
| 9.187 | V\$RMAN_OUTPUT | 9-172 |
| 9.188 | V\$RMAN_STATUS | 9-173 |
| 9.189 | V\$RO_USER_ACCOUNT | 9-174 |
| 9.190 | V\$ROLLNAME | 9-175 |
| 9.191 | V\$ROLLSTAT | 9-175 |
| 9.192 | V\$ROWCACHE | 9-176 |
| 9.193 | V\$ROWCACHE_PARENT | 9-177 |
| 9.194 | V\$ROWCACHE_SUBORDINATE | 9-178 |
| 9.195 | V\$RSRC_CONS_GROUP_HISTORY | 9-178 |
| 9.196 | V\$RSRC_CONSUMER_GROUP | 9-181 |
| 9.197 | V\$RSRC_CONSUMER_GROUP_CPU_MTH | 9-184 |
| 9.198 | V\$RSRC_PDB | 9-185 |
| 9.199 | V\$RSRC_PDB_HISTORY | 9-187 |
| 9.200 | V\$RSRC_PLAN | 9-188 |
| 9.201 | V\$RSRC_PLAN_CPU_MTH | 9-190 |
| 9.202 | V\$RSRC_PLAN_HISTORY | 9-191 |
| 9.203 | V\$RSRC_SESSION_INFO | 9-192 |
| 9.204 | V\$RSRCMGRMETRIC | 9-197 |
| 9.205 | V\$RSRCMGRMETRIC_HISTORY | 9-199 |
| 9.206 | V\$RSRCPDBMETRIC | 9-199 |
| 9.207 | V\$RSRCPDBMETRIC_HISTORY | 9-201 |
| 9.208 | V\$RULE | 9-201 |
| 9.209 | V\$RULE_SET | 9-202 |
| 9.210 | V\$RULE_SET_AGGREGATE_STATS | 9-203 |



Dynamic Performance (V\$) Views: V\$SCHEDULER_IN_MEMORY_TRACE to V\$ZONEMAP_USAGE_STATS

| 10.1 | V\$SCHEDULER_IN_MEMORY_TRACE | 10-1 |
|-------|---------------------------------|-------|
| 10.2 | V\$SCHEDULER_RUNNING_JOBS | 10-1 |
| 10.3 | V\$SECUREFILE_SHRINK | 10-2 |
| 10.4 | V\$SECUREFILE_TIMER | 10-3 |
| 10.5 | V\$SEGMENT_STATISTICS | 10-4 |
| 10.6 | V\$SEGSTAT | 10-4 |
| 10.7 | V\$SEGSTAT_NAME | 10-5 |
| 10.8 | V\$SERV_MOD_ACT_STATS | 10-5 |
| 10.9 | V\$SERVICE_DRAIN_TIMEOUT_ADVICE | 10-6 |
| 10.10 | V\$SERVICE_EVENT | 10-7 |
| 10.11 | V\$SERVICE_REGION_METRIC | 10-8 |
| 10.12 | V\$SERVICE_STATS | 10-9 |
| 10.13 | V\$SERVICE_WAIT_CLASS | 10-10 |
| 10.14 | V\$SERVICEMETRIC | 10-10 |
| 10.15 | V\$SERVICEMETRIC_HISTORY | 10-11 |
| 10.16 | V\$SERVICES | 10-12 |
| 10.17 | V\$SES_OPTIMIZER_ENV | 10-15 |
| 10.18 | V\$SESS_IO | 10-15 |
| 10.19 | V\$SESS_TIME_MODEL | 10-16 |
| 10.20 | V\$SESSION | 10-18 |
| 10.21 | V\$SESSION_BLOCKERS | 10-25 |
| 10.22 | V\$SESSION_CONNECT_INFO | 10-25 |
| 10.23 | V\$SESSION_CURSOR_CACHE | 10-27 |
| 10.24 | V\$SESSION_EVENT | 10-27 |
| 10.25 | V\$SESSION_FIX_CONTROL | 10-28 |
| 10.26 | V\$SESSION_LONGOPS | 10-29 |
| 10.27 | V\$SESSION_OBJECT_CACHE | 10-30 |
| 10.28 | V\$SESSION_WAIT | 10-31 |
| 10.29 | V\$SESSION_WAIT_CLASS | 10-33 |
| 10.30 | V\$SESSION_WAIT_HISTORY | 10-34 |
| 10.31 | V\$SESSIONS_COUNT | 10-34 |
| 10.32 | V\$SESSMETRIC | 10-35 |
| 10.33 | V\$SESSTAT | 10-35 |
| 10.34 | V\$SGA | 10-36 |
| 10.35 | V\$SGA_CURRENT_RESIZE_OPS | 10-36 |
| 10.36 | V\$SGA_DYNAMIC_COMPONENTS | 10-37 |
| 10.37 | V\$SGA_DYNAMIC_FREE_MEMORY | 10-38 |
| 10.38 | V\$SGA_RESIZE_OPS | 10-38 |
| | | |



| 10.39 | V\$SGA_TARGET_ADVICE | 10-39 |
|-------|----------------------------|-------|
| 10.40 | V\$SGAINFO | 10-40 |
| 10.41 | V\$SGASTAT | 10-40 |
| 10.42 | V\$SHARD_ACK_RECEIVER | 10-40 |
| 10.43 | V\$SHARD_ACK_SENDER | 10-42 |
| 10.44 | V\$SHARD_APPLY_COORDINATOR | 10-42 |
| 10.45 | V\$SHARD_APPLY_LCR_READER | 10-44 |
| 10.46 | V\$SHARD_APPLY_READER | 10-45 |
| 10.47 | V\$SHARD_APPLY_SERVER | 10-47 |
| 10.48 | V\$SHARD_LCR_LOGS | 10-48 |
| 10.49 | V\$SHARD_LCR_PERSISTER | 10-49 |
| 10.50 | V\$SHARD_LCR_PRODUCER | 10-50 |
| 10.51 | V\$SHARD_NETWORK_RECEIVER | 10-51 |
| 10.52 | V\$SHARD_NETWORK_SENDER | 10-53 |
| 10.53 | V\$SHARD_REPLICATION_UNIT | 10-54 |
| 10.54 | V\$SHARED_POOL_ADVICE | 10-56 |
| 10.55 | V\$SHARED_POOL_LRU_EFFORT | 10-56 |
| 10.56 | V\$SHARED_POOL_RESERVED | 10-57 |
| 10.57 | V\$SHARED_SERVER | 10-58 |
| 10.58 | V\$SHARED_SERVER_MONITOR | 10-59 |
| 10.59 | V\$SHARED_SERVER_STAT | 10-60 |
| 10.60 | V\$SORT_SEGMENT | 10-61 |
| 10.61 | V\$SPPARAMETER | 10-62 |
| 10.62 | V\$SQL | 10-62 |
| 10.63 | V\$SQL_BIND_CAPTURE | 10-69 |
| 10.64 | V\$SQL_BIND_DATA | 10-70 |
| 10.65 | V\$SQL_BIND_METADATA | 10-71 |
| 10.66 | V\$SQL_CS_HISTOGRAM | 10-72 |
| 10.67 | V\$SQL_CS_SELECTIVITY | 10-73 |
| 10.68 | V\$SQL_CS_STATISTICS | 10-73 |
| 10.69 | V\$SQL_CURSOR | 10-74 |
| 10.70 | V\$SQL_HISTORY | 10-75 |
| 10.71 | V\$SQL_JOIN_FILTER | 10-76 |
| 10.72 | V\$SQL_MONITOR | 10-77 |
| 10.73 | V\$SQL_MONITOR_SESSTAT | 10-83 |
| 10.74 | V\$SQL_MONITOR_STATNAME | 10-84 |
| 10.75 | V\$SQL_OPTIMIZER_ENV | 10-84 |
| 10.76 | V\$SQL_PLAN | 10-85 |
| 10.77 | V\$SQL_PLAN_MONITOR | 10-87 |
| 10.78 | V\$SQL_PLAN_STATISTICS | 10-93 |
| 10.79 | V\$SQL_PLAN_STATISTICS_ALL | 10-95 |
| 10.80 | V\$SQL_REDIRECTION | 10-98 |



| 10.81 | V\$SQL_SHARD | 10-99 |
|--------|------------------------------|--------|
| 10.82 | V\$SQL_SHARED_CURSOR | 10-100 |
| 10.83 | V\$SQL_SHARED_CURSOR_DIAG | 10-103 |
| 10.84 | V\$SQL_SHARED_MEMORY | 10-104 |
| 10.85 | V\$SQL_TESTCASES | 10-105 |
| 10.86 | V\$SQL_WORKAREA | 10-106 |
| 10.87 | V\$SQL_WORKAREA_ACTIVE | 10-107 |
| 10.88 | V\$SQL_WORKAREA_HISTOGRAM | 10-109 |
| 10.89 | V\$SQLAREA | 10-110 |
| 10.90 | V\$SQLAREA_PLAN_HASH | 10-114 |
| 10.91 | V\$SQLCOMMAND | 10-118 |
| 10.92 | V\$SQLFN_ARG_METADATA | 10-118 |
| 10.93 | V\$SQLFN_METADATA | 10-119 |
| 10.94 | V\$SQLSTATS | 10-120 |
| 10.95 | V\$SQLSTATS_PLAN_HASH | 10-123 |
| 10.96 | V\$SQLTEXT | 10-123 |
| 10.97 | V\$SQLTEXT_WITH_NEWLINES | 10-124 |
| 10.98 | V\$STANDBY_EVENT_HISTOGRAM | 10-124 |
| 10.99 | V\$STANDBY_LOG | 10-125 |
| 10.100 | V\$STATISTICS_LEVEL | 10-126 |
| 10.101 | V\$STATNAME | 10-127 |
| 10.102 | V\$STATS_ADVISOR_RULES | 10-128 |
| 10.103 | V\$STREAMS_APPLY_COORDINATOR | 10-129 |
| 10.104 | V\$STREAMS_APPLY_READER | 10-131 |
| 10.105 | V\$STREAMS_APPLY_SERVER | 10-133 |
| 10.106 | V\$STREAMS_POOL_ADVICE | 10-136 |
| 10.107 | V\$STREAMS_POOL_STATISTICS | 10-136 |
| 10.108 | V\$SUBCACHE | 10-137 |
| 10.109 | V\$SUBSCR_REGISTRATION_STATS | 10-138 |
| 10.110 | V\$SYS_OPTIMIZER_ENV | 10-139 |
| 10.111 | V\$SYS_TIME_MODEL | 10-139 |
| 10.112 | V\$SYSAUX_OCCUPANTS | 10-140 |
| 10.113 | V\$SYSMETRIC | 10-140 |
| 10.114 | V\$SYSMETRIC_HISTORY | 10-141 |
| 10.115 | V\$SYSMETRIC_SUMMARY | 10-142 |
| 10.116 | V\$SYSSTAT | 10-143 |
| 10.117 | V\$SYSTEM_CURSOR_CACHE | 10-144 |
| 10.118 | V\$SYSTEM_EVENT | 10-144 |
| 10.119 | V\$SYSTEM_FIX_CONTROL | 10-145 |
| 10.120 | V\$SYSTEM_PARAMETER | 10-146 |
| 10.121 | V\$SYSTEM_PARAMETER2 | 10-148 |
| 10.122 | V\$SYSTEM_WAIT_CLASS | 10-149 |
| | | |



| 10.123 | V\$TABLE_ACCESS_STATS | 10-150 |
|--------|--------------------------------|--------|
| 10.124 | V\$TABLESPACE | 10-150 |
| 10.125 | V\$TDM_STATS | 10-151 |
| 10.126 | V\$TEMP_CACHE_TRANSFER | 10-152 |
| 10.127 | V\$TEMP_EXTENT_MAP | 10-153 |
| 10.128 | V\$TEMP_EXTENT_POOL | 10-153 |
| 10.129 | V\$TEMP_SPACE_HEADER | 10-154 |
| 10.130 | V\$TEMPFILE | 10-154 |
| 10.131 | V\$TEMPORARY_LOBS | 10-155 |
| 10.132 | V\$TEMPSEG_USAGE | 10-155 |
| 10.133 | V\$TEMPSTAT | 10-156 |
| 10.134 | V\$TEMPUNDOSTAT | 10-157 |
| 10.135 | V\$TEXT_WAITING_EVENTS | 10-158 |
| 10.136 | V\$THREAD | 10-159 |
| 10.137 | V\$THRESHOLD_TYPES | 10-160 |
| 10.138 | V\$TIMER | 10-161 |
| 10.139 | V\$TIMEZONE_FILE | 10-161 |
| 10.140 | V\$TIMEZONE_NAMES | 10-161 |
| 10.141 | V\$TOPLEVELCALL | 10-162 |
| 10.142 | V\$TRANSACTION | 10-162 |
| 10.143 | V\$TRANSACTION_ENQUEUE | 10-164 |
| 10.144 | V\$TRANSPORTABLE_PLATFORM | 10-165 |
| 10.145 | V\$TRUE_CACHE | 10-165 |
| 10.146 | V\$TRUE_CACHE_KEEP | 10-166 |
| 10.147 | V\$TRUE_CACHE_STAT | 10-167 |
| 10.148 | V\$TSDP_SUPPORTED_FEATURE | 10-168 |
| 10.149 | V\$TYPE_SIZE | 10-168 |
| 10.150 | V\$UNDOSTAT | 10-169 |
| 10.151 | V\$UNUSABLE_BACKUPFILE_DETAILS | 10-170 |
| 10.152 | V\$VERSION | 10-171 |
| 10.153 | V\$VPD_POLICY | 10-172 |
| 10.154 | V\$WAIT_CHAINS | 10-172 |
| 10.155 | V\$WAITCLASSMETRIC | 10-174 |
| 10.156 | V\$WAITCLASSMETRIC_HISTORY | 10-175 |
| 10.157 | V\$WAITSTAT | 10-175 |
| 10.158 | V\$WALLET | 10-176 |
| 10.159 | V\$WORKLOAD_REPLAY_THREAD | 10-176 |
| 10.160 | V\$XML_AUDIT_TRAIL | 10-178 |
| 10.161 | V\$XSTREAM_APPLY_COORDINATOR | 10-182 |
| 10.162 | V\$XSTREAM_APPLY_READER | 10-184 |
| 10.163 | V\$XSTREAM_APPLY_RECEIVER | 10-186 |
| 10.164 | V\$XSTREAM_APPLY_SERVER | 10-187 |
| | | |



| | 10.166 V\$XSTRE | EAM_MESSAGE_TRACKING | 10-193 |
|------|-------------------|-------------------------------------|--------|
| | 10.167 V\$XSTRE | EAM_OUTBOUND_SERVER | 10-195 |
| | 10.168 V\$XSTRE | EAM_TABLE_STATS | 10-198 |
| | 10.169 V\$XSTRE | EAM_TRANSACTION | 10-199 |
| | 10.170 V\$ZONEI | MAP_USAGE_STATS | 10-200 |
| Part | IV Appendix | res | |
| A | Database Lim | its | |
| | A.1 Datatype Lim | iits | A-1 |
| | A.2 Physical Data | abase Limits | A-3 |
| | A.3 Logical Datal | pase Limits | A-4 |
| | A.4 Process and | Runtime Limits | A-7 |
| В | SQL Scripts | | |
| | B.1 Creating the | Data Dictionary | B-1 |
| | B.2 Creating Add | litional Data Dictionary Structures | B-2 |
| | B.3 The "NO" Sc | ripts | B-5 |
| | B.4 Upgrade Scri | pts | B-6 |
| | B.5 Java Scripts | | B-6 |
| С | Oracle Wait E | vents | |
| | C.1 Classes of W | ait Events | C-1 |
| | C.2 Descriptions | of Common Wait Event Parameters | C-2 |
| | C.3 Descriptions | of Wait Events | C-5 |
| | C.3.1 alter sy | stem set dispatcher | C-5 |
| | | Remote Write | C-5 |
| | | C Remote Write | C-5 |
| | | check if exists | C-5 |
| | | check if open | C-6 |
| | | closure | C-6 |
| | | get length | C-6 |
| | | get name object | C-6 |
| | | get path object | C-6 |
| | | E internal seek | C-7 |
| | | open | C-7 |
| | | E read | C-7 |
| | C.3.13 broad | cast mesg queue transition | C-7 |

10.165 V\$XSTREAM_CAPTURE



10-190

| C.3.14 | broadcast mesg recovery queue transition | C-8 |
|--------|--|------|
| C.3.15 | buffer busy waits | C-8 |
| C.3.16 | buffer deadlock | C-9 |
| C.3.17 | buffer latch | C-9 |
| C.3.18 | buffer read retry | C-9 |
| C.3.19 | checkpoint completed | C-10 |
| C.3.20 | cleanup of aborted process | C-10 |
| C.3.21 | control file parallel write | C-10 |
| C.3.22 | control file sequential read | C-10 |
| C.3.23 | control file single write | C-11 |
| C.3.24 | cursor: mutex S | C-11 |
| C.3.25 | cursor: mutex X | C-11 |
| C.3.26 | cursor: pin S | C-12 |
| C.3.27 | cursor: pin S wait on X | C-12 |
| C.3.28 | cursor: pin X | C-12 |
| C.3.29 | db file async I/O submit | C-13 |
| C.3.30 | db file parallel read | C-13 |
| C.3.31 | db file parallel write | C-13 |
| C.3.32 | db file scattered read | C-14 |
| C.3.33 | db file sequential read | C-14 |
| C.3.34 | db file single write | C-15 |
| C.3.35 | DFS lock handle | C-15 |
| C.3.36 | direct path read | C-16 |
| C.3.37 | direct path sync | C-16 |
| C.3.38 | direct path write | C-16 |
| C.3.39 | Disk file operations I/O | C-17 |
| C.3.40 | dispatcher shutdown | C-17 |
| C.3.41 | dispatcher timer | C-18 |
| C.3.42 | dupl. cluster key | C-18 |
| C.3.43 | enq: IQ - Text index maintenance | C-18 |
| C.3.44 | enq: OW - initialization | C-19 |
| C.3.45 | enq: OW - termination | C-19 |
| C.3.46 | enq: SV - contention | C-19 |
| C.3.47 | enq: TX - index contention | C-20 |
| C.3.48 | enq: TX - row lock (HIGH priority) | C-20 |
| C.3.49 | enq: TX - row lock (LOW priority) | C-20 |
| C.3.50 | enq: TX - row lock (MEDIUM priority) | C-21 |
| C.3.51 | enq: TX - row lock contention | C-21 |
| C.3.52 | enqueue | C-22 |
| C.3.53 | flashback buf free by RVWR | C-22 |
| C.3.54 | flashback log file sync | C-22 |
| C.3.55 | free buffer waits | C-22 |
| | | |



| C.3.56 | free global transaction table entry | C-23 |
|----------------------------|---|------------|
| C.3.57 | free process state object | C-23 |
| C.3.58 | gc buffer busy acquire | C-23 |
| C.3.59 | gc buffer busy release | C-24 |
| C.3.60 | gc cr block 2-way | C-24 |
| C.3.61 | gc cr block 3-way | C-24 |
| C.3.62 | gc cr block busy | C-25 |
| C.3.63 | gc cr block congested | C-25 |
| C.3.64 | gc cr block direct read | C-25 |
| C.3.65 | gc cr block lost | C-26 |
| C.3.66 | gc cr grant read-mostly invalidation | C-26 |
| C.3.67 | gc cr multi block grant | C-26 |
| C.3.68 | gc cr multi block mixed | C-27 |
| C.3.69 | gc cr request | C-27 |
| C.3.70 | gc current block 2-way | C-27 |
| C.3.71 | gc current block 3-way | C-27 |
| C.3.72 | gc current block busy | C-28 |
| C.3.73 | gc current block congested | C-28 |
| C.3.74 | gc current block direct read | C-29 |
| C.3.75 | gc current block lost | C-29 |
| C.3.76 | gc current request | C-29 |
| C.3.77 | inactive session | C-29 |
| C.3.78 | inactive transaction branch | C-30 |
| C.3.79 | index split completion | C-30 |
| C.3.80 | instance state change | C-30 |
| C.3.81 | io done | C-31 |
| C.3.82 | ksxr wait for mount shared | C-31 |
| C.3.83 | ktm: instance recovery | C-31 |
| C.3.84 | latch activity | C-31 |
| C.3.85 | latch free | C-32 |
| C.3.86 | latch: redo copy | C-32 |
| C.3.87 | library cache load lock | C-32 |
| C.3.88 | library cache lock | C-33 |
| C.3.89 | library cache pin | C-33 |
| C.3.90 | library cache shutdown | C-34 |
| C.3.91 | library cache: mutex X | C-34 |
| C.3.92 | Log archive I/O | C-34 |
| C.3.93 | log buffer space | C-34 |
| C.3.94 | log file parallel write | C-35 |
| C.3.95 | log file sequential read | C-35 |
| C.3.96 | log file single write | C-35 |
| C.3.97 | log file switch (archiving needed) | C-36 |
| C.3.93 C.3.94 C.3.95 | log buffer space log file parallel write log file sequential read | C-3 C-3 |
| C.3.97 | log file switch (archiving needed) | C-36 |
| | | |



| log file switch (checkpoint incomplete) | C-36 |
|---|---|
| log file switch (clearing log file) | C-36 |
| log file switch (private strand flush incomplete) | C-36 |
| log file switch completion | C-36 |
| log file sync | C-36 |
| log switch/archive | C-37 |
| optimizer stats update retry | C-37 |
| parallel recovery change buffer free | C-37 |
| parallel recovery control message reply | C-37 |
| parallel recovery coord send blocked | C-38 |
| parallel recovery coord wait for reply | C-38 |
| parallel recovery coordinator waits for slave cleanup | C-38 |
| parallel recovery read buffer free | C-38 |
| parallel recovery slave next change | C-38 |
| pending global transaction(s) | C-38 |
| pipe get | C-39 |
| pipe put | C-39 |
| PL/SQL lock timer | C-39 |
| pmon timer | C-39 |
| prior spawner clean up | C-40 |
| process startup | C-40 |
| PX Deque wait | C-40 |
| PX qref latch | C-41 |
| PX server shutdown | C-41 |
| PX signal server | C-41 |
| rdbms ipc message | C-41 |
| rdbms ipc message block | C-42 |
| rdbms ipc reply | C-42 |
| read by other session | C-42 |
| recovery active instance mapping setup | C-42 |
| recovery apply pending | C-42 |
| recovery cancel | C-43 |
| recovery checkpoint | C-43 |
| recovery file header update for checkpoint | C-43 |
| recovery file header update for fuzziness | C-43 |
| recovery marker apply | C-43 |
| recovery merge pending | C-43 |
| recovery metadata latch | C-43 |
| recovery move influx buffers | C-43 |
| recovery read | C-43 |
| recovery receive buffer free | C-44 |
| recovery remote file verification | C-44 |
| | log file switch (private strand flush incomplete) log file switch completion log file sync log switch/archive optimizer stats update retry parallel recovery change buffer free parallel recovery control message reply parallel recovery coord send blocked parallel recovery coord wait for reply parallel recovery coordinator waits for slave cleanup parallel recovery read buffer free parallel recovery slave next change pending global transaction(s) pipe get pipe put PL/SQL lock timer pmon timer prior spawner clean up process startup PX Deque wait PX qref latch PX server shutdown PX signal server rdbms ipc message rdbms ipc message rdbms ipc reply read by other session recovery active instance mapping setup recovery ancel recovery deckpoint recovery file header update for checkpoint recovery file header update for fuzziness recovery merge pending recovery merge pending recovery merge pending recovery merge pending recovery read recovery receive buffer free |



| C.3.140 | recovery send buffer free | C-44 |
|---------|---|------|
| C.3.141 | recovery shutdown | C-44 |
| C.3.142 | Redo Transport Attach | C-44 |
| C.3.143 | Redo Transport Close | C-44 |
| C.3.144 | Redo Transport Detach | C-45 |
| C.3.145 | Redo Transport Open | C-45 |
| C.3.146 | Redo Transport Ping | C-45 |
| C.3.147 | Redo Transport Slave Startup | C-45 |
| C.3.148 | Redo Writer Remote Sync Complete | C-45 |
| C.3.149 | Redo Writer Remote Sync Notify | C-45 |
| C.3.150 | resmgr:become active | C-46 |
| C.3.151 | resmgr:cpu quantum | C-46 |
| C.3.152 | resmgr: I/O rate limit | C-46 |
| C.3.153 | resmgr:pq queued | C-47 |
| C.3.154 | rolling migration: cluster quiesce | C-47 |
| C.3.155 | row cache lock | C-47 |
| C.3.156 | RVWR wait for flashback copy | C-48 |
| C.3.157 | sbtbufinfo | C-48 |
| C.3.158 | sbtgetbuf | C-48 |
| C.3.159 | sbtmapbuf | C-48 |
| C.3.160 | sbtrelbuf | C-48 |
| C.3.161 | scginq AST call | C-49 |
| C.3.162 | SGA: allocation forcing component growth | C-49 |
| C.3.163 | SGA: MMAN sleep for component shrink | C-49 |
| C.3.164 | SGA: sga_target resize | C-49 |
| C.3.165 | Shared IO Pool Memory | C-49 |
| C.3.166 | shared server idle wait | C-50 |
| C.3.167 | single-task message | C-50 |
| C.3.168 | smon timer | C-50 |
| C.3.169 | SQL*Net break/reset to client | C-50 |
| C.3.170 | SQL*Net break/reset to dblink | C-51 |
| C.3.171 | SQL*Net message from client | C-51 |
| C.3.172 | SQL*Net message from dblink | C-51 |
| C.3.173 | SQL*Net message to client | C-52 |
| C.3.174 | SQL*Net message to dblink | C-52 |
| C.3.175 | SQL*Net more data from client | C-52 |
| C.3.176 | SQL*Net more data from dblink | C-53 |
| C.3.177 | SQL*Net more data to client | C-53 |
| C.3.178 | SQL*Net more data to dblink | C-53 |
| C.3.179 | Streams AQ: waiting for messages in the queue | C-53 |
| C.3.180 | switch logfile command | C-54 |
| C.3.181 | SYNC Remote Write | C-54 |
| | | |



| | TCP Socket (KGAS) | C-54 |
|-------------|------------------------------|------|
| C.3.183 | Text batch free | C-54 |
| C.3.184 | Text sync complete | C-55 |
| C.3.185 | timer in sksawat | C-55 |
| C.3.186 | transaction | C-55 |
| C.3.187 | unbound tx | C-55 |
| C.3.188 | undo_retention publish retry | C-55 |
| C.3.189 | undo segment extension | C-56 |
| C.3.190 | undo segment recovery | C-56 |
| C.3.191 | undo segment tx slot | C-56 |
| C.3.192 | utl_file I/O | C-56 |
| C.3.193 | virtual circuit wait | C-56 |
| C.3.194 | WCR: replay client notify | C-57 |
| C.3.195 | WCR: replay clock | C-57 |
| C.3.196 | WCR: replay lock order | C-57 |
| C.3.197 | WCR: replay paused | C-57 |
| C.3.198 | WCR: Sync context busy | C-58 |
| C.3.199 | write complete waits | C-58 |
| | nqueue Names Descriptions | |
| E.1 Display | ying Statistics | E-1 |
| E.2 Statist | ics Descriptions | E-1 |
| | | |



Preface

This manual provides reference information about database initialization parameters, static data dictionary views, dynamic performance views, database limits, and SQL scripts that are part of the Oracle Database.

This preface contains these topics:

- Audience
- Documentation Accessibility
- Diversity and Inclusion
- · Related Documents
- Conventions

Audience

Oracle Database Reference is intended for database administrators, system administrators, and database application developers.

To use this document, you need to be familiar with the following:

- Oracle database management system (DBMS) concepts
- Your operating system environment

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.



Related Documents

For more information, see these Oracle resources:

- Oracle Database Concepts for a comprehensive introduction to the concepts and terminology used in this manual
- Oracle Database Administrator's Guide for information about administering Oracle Database
- Oracle Database Upgrade Guide for the procedures for upgrading a previous release of Oracle to the new release
- Oracle Database SQL Language Reference for information on Oracle's SQL commands and functions
- Oracle Database Development Guide for information about developing database applications within Oracle Database

The complete documentation set for Oracle Database is available on the Oracle Help Center: http://docs.oracle.com/database/

Conventions

The following text conventions are used in this document:

| Convention | Meaning |
|------------|--|
| boldface | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary. |
| italic | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values. |
| monospace | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

