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	2-1	
	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_TRANSFORMATIONS 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 AUDIT_ACTIONS	4-210
4.193 AUDIT_UNIFIED_CONTEXTS	4-211
4.194 AUDIT_UNIFIED_ENABLED_POL	CIES 4-211
4.195 AUDIT_UNIFIED_POLICIES	4-212
4.196 AUDIT_UNIFIED_POLICY_COMM	ENTS 4-214
4.197 AUDITABLE_SYSTEM_ACTIONS	4-214
4.198 CAT	4-216
4.199 CATALOG	4-216
4.200 CHAINED_ROWS	4-216
4.201 CLIENT_RESULT_CACHE_STATS	\$ 4-216
4.202 CLU	4-217
4.203 COL	4-217
4.204 COLS	4-217
4.205 DATABASE_EXPORT_OBJECTS	4-218
4.206 DATABASE_PROPERTIES	4-218
5.1 DBA_2PC_NEIGHBORS	5-1
5.1 DBA_2PC_NEIGHBORS	5-1
5.2 DBA_2PC_PENDING	5-1
5.3 DBA_ACCHK_EVENTS	5-2
5.4 DBA_ACCHK_EVENTS_SUMMARY	5-3
5.5 DBA_ACCHK_STATISTICS	5-5
5.6 DBA_ACCHK_STATISTICS_SUMMA	
5.7 DBA_ACTIVITY_CONFIG	5-7
5.8 DBA_ACTIVITY_CONFIG 5.9 DBA_ACTIVITY_MVIEW	5-8 5-8
5.10 DBA_ACTIVITY_SNAPSHOT_META	
5.11 DBA_ACTIVITY_SNAFSHOT_WETA	5-10
5.12 DBA_ACTIVITI_TABLE 5.12 DBA_ADDM FDG BREAKDOWN	5-12
5.13 DBA ADDM FINDINGS	5-12
5.14 DBA ADDM INSTANCES	5-14
5.15 DBA_ADDM_PENDING_AUTOTASI	
5.16 DBA ADDM SCHEDULED AUTOT	
5.17 DBA ADDM SYSTEM DIRECTIVE	
5.18 DBA_ADDM_TASK_DIRECTIVES	5-17
5.19 DBA ADDM TASKS	5-17
5.20 DBA_ADVISOR_ACTIONS	5-20
5.21 DBA_ADVISOR_COMMANDS	5-22
_ = ::= ::= = ::_ = = :::	0 11



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



DBA_AUTO_MV_ANALYSIS_REPORT	5-112
DBA_AUTO_MV_ANALYSIS_TASK	5-112
DBA_AUTO_MV_CONFIG	5-113
DBA_AUTO_MV_MAINT_REPORT	5-114
DBA_AUTO_MV_REFRESH_HISTORY	5-114
DBA_AUTO_MV_VERIFICATION_REPORT	5-115
DBA_AUTO_MV_VERIFICATION_STATUS	5-115
DBA_AUTO_SEGADV_CTL	5-115
DBA_AUTO_SEGADV_SUMMARY	5-116
DBA_AUTO_STAT_EXECUTIONS	5-116
DBA_AUTO_STAT_OBJ_GATHER_DETAILS	5-117
DBA_AUTO_ZONEMAP_CONFIG	5-119
DBA_AUTOTASK_CLIENT	5-119
DBA_AUTOTASK_CLIENT_HISTORY	5-120
DBA_AUTOTASK_CLIENT_JOB	5-121
DBA_AUTOTASK_JOB_HISTORY	5-121
DBA_AUTOTASK_OPERATION	5-122
DBA_AUTOTASK_SCHEDULE	5-122
DBA_AUTOTASK_SCHEDULE_CONTROL	5-123
DBA_AUTOTASK_SETTINGS	5-123
DBA_AUTOTASK_STATUS	5-124
DBA_AUTOTASK_TASK	5-124
DBA_AUTOTASK_WINDOW_CLIENTS	5-127
DBA_AUTOTASK_WINDOW_HISTORY	5-127
DBA_AVTUNE_ARCHIVE_CACHE_LEVELS	5-128
DBA_AVTUNE_ARCHIVE_QUERIES	5-128
DBA_AVTUNE_ARCHIVE_QUERY_LEVELS	5-128
DBA_AVTUNE_ARCHIVE_QUERY_MEASURES	5-129
DBA_AVTUNE_ARCHIVES	5-129
DBA_AVTUNE_AV_AGG_CACHE_LEVELS	5-130
DBA_AVTUNE_AV_AGG_CACHES	5-130
DBA_AVTUNE_CALLBACK_ARGS	5-130
DBA_AVTUNE_ENABLED_AV_DIMENSIONS	5-131
DBA_AVTUNE_ENABLED_AVS	5-131
DBA_AVTUNE_ENABLED_DIMENSIONS	5-132
DBA_AW_PS	5-132
DBA_AWS	5-132
DBA_BASE_TABLE_MVIEWS	5-132
DBA_BLOCKCHAIN_ROW_VERSION_COLS	5-133
DBA_BLOCKCHAIN_ROW_VERSION_HISTORY	5-133
DBA_BLOCKCHAIN_TABLE_CHAINS	5-133
DBA_BLOCKCHAIN_TABLE_EPOCHS	5-134
	DBA_AUTO_MV_ANALYSIS_TASK DBA_AUTO_MV_CONFIG DBA_AUTO_MV_CONFIG DBA_AUTO_MV_REFRESH_HISTORY DBA_AUTO_MV_VERIFICATION_REPORT DBA_AUTO_MV_VERIFICATION_STATUS DBA_AUTO_SEGADV_CTL DBA_AUTO_SEGADV_SUMMARY DBA_AUTO_STAT_EXECUTIONS DBA_AUTO_STAT_EXECUTIONS DBA_AUTO_STAT_EXECUTIONS DBA_AUTO_STAT_EXECUTIONS DBA_AUTO_STAT_EXECUTIONS DBA_AUTOTASK_CLIENT DBA_AUTOTASK_CLIENT DBA_AUTOTASK_CLIENT_JOB DBA_AUTOTASK_CLIENT_JOB DBA_AUTOTASK_OPERATION DBA_AUTOTASK_SCHEDULE DBA_AUTOTASK_SCHEDULE DBA_AUTOTASK_SCHEDULE DBA_AUTOTASK_STATUS DBA_AUTOTASK_STATUS DBA_AUTOTASK_TASK DBA_AUTOTASK_WINDOW_CLIENTS DBA_AUTOTASK_WINDOW_HISTORY DBA_AUTOTASK_WINDOW_HISTORY DBA_AVTUNE_ARCHIVE_CACHE_LEVELS DBA_AVTUNE_ARCHIVE_QUERY_LEVELS DBA_AVTUNE_ARCHIVE_QUERY_LEVELS DBA_AVTUNE_ARCHIVES DBA_AVTUNE_OLLBACK_ARGS DBA_AVTUNE_ENABLED_AVS DBA_AVTUNE_ENABLED_AVS DBA_AVTUNE_ENABLED_DIMENSIONS DBA_AVTUNE_ENABLED_DIMENSIONS DBA_AVTUNE_ENABLED_DIMENSIONS DBA_AVTUNE_ENABLED_DIMENSIONS DBA_AWS DBA_BASE_TABLE_MVIEWS DBA_BBOCKCHAIN_ROW_VERSION_COLS DBA_BLOCKCHAIN_ROW_VERSION_HISTORY DBA_BLOCKCHAIN_TABLE_CHAINS



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



8 DBA_DIRECTORIES 5-174 9 DBA_DISCOVERY_SOURCE 5-174 0 DBA_DML_LOCKS 5-174 1 DBA_DMT_EREE_SPACE 5-175 2 DBA_DOM_USED_EXTENTS 5-175 3 DBA_DOMAIN_COLS 5-176 4 DBA_DOMAIN_CONSTRAINTS 5-176 5 DBA_DOMAINS 5-177 6 DBA_EDITION_COMMENTS 5-177 6 DBA_EDITIONING_VIEW_COLS 5-178 8 DBA_EDITIONING_VIEW_COLS 5-178 9 DBA_EDITIONING_VIEWS 5-178 10 DBA_EDITIONING_VIEWS_AE 5-178 11 DBA_EDITIONING_VIEWS_AE 5-178 12 DBA_ENABLED_TRACES 5-179 13 DBA_ENABLED_TRACES 5-179 14 DBA_ENABLED_TRACES 5-179 15 DBA_ENABLED_TRACES 5-179 16 DBA_ENABLED_TRACES 5-180 17 DBA_ENABLED_TRACES 5-180 18 DBA_ENABLED_TRACES 5-1	5.316	DBA_DIM_LEVELS	5-173
9 DBA_DISCOVERY_SOURCE 5-174 0 DBA_DML_LOCKS 5-174 1 DBA_DMT_FREE_SPACE 5-175 1 DBA_DMT_FREE_SPACE 5-175 2 DBA_DMT_USED_EXTENTS 5-175 3 DBA_DOMAIN_COLS 5-176 4 DBA_DOMAIN_COLS 5-176 5 DBA_DOMAINS 5-176 5 DBA_DOMAINS 5-177 7 DBA_EDITION_COMMENTS 5-177 7 DBA_EDITIONLOCOMMENTS 5-177 8 DBA_EDITIONING_VIEW_COLS 5-178 8 DBA_EDITIONING_VIEW_COLS 5-178 9 DBA_EDITIONING_VIEW_COLS_AE 5-178 9 DBA_EDITIONING_VIEW_SAE 5-178 1 DBA_EDITIONING_VIEW_SAE 5-178 2 DBA_EDITIONING_VIEWS_AE 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 3 DBA_ENABLED_TRACES 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_ERCRY_TED_COLUMNS 5-180 7 DBA_ERCRY_TED_COLUMNS 5-180 8 DBA_ERROR_TRANSLATIONS 5-181 9 DBA_ERROR_SAE 5-181 0 DBA_ERROR_SAE 5-181 0 DBA_ERROR_SAE 5-181 0 DBA_ERROR_SAE 5-182 1 DBA_ERCRY_FILES 5-182 1 DBA_EXP_LUATION_CONTEXT_TABLES 5-182 1 DBA_EXP_FILES 5-182 1 DBA_EXP_FILES 5-182 1 DBA_EXP_OBJECTS 5-183 1 DBA_EXP_POBJECTS 5-183 1 DBA_EXP_POBJECTS 5-183 1 DBA_EXP_VERSION 5-183 1 DBA_EXP_PRESSION_STATISTICS 5-183 1 DBA_EXP_RESSION_STATISTICS 5-183 1 DBA_EXTERNAL_LOCATIONS 5-184 1 DBA_EXTERNAL_LOCATIONS 5-184 1 DBA_EXTERNAL_SCN_ACTIVITY 5-184 1 DBA_EATTERNAL_SCN_ACTIVITY 5-184 1 DBA_FEATURE_USAGE_STATISTICS 5-187 1 DBA_FEATURE_USAGE_STATISTICS 5-188 1 DBA_FEATURE_USAGE_STATISTICS 5-189 1 DBA_FEATURE	5.317	DBA_DIMENSIONS	5-173
0 DBA_DML_LOCKS 5-174 1 DBA_DMT_FREE_SPACE 5-175 2 DBA_DMT_USED_EXTENTS 5-176 3 DBA_DOMAIN_COLS 5-176 4 DBA_DOMAINS 5-176 5 DBA_DOMAINS 5-177 6 DBA_EDITION_COMMENTS 5-177 7 DBA_EDITIONING_VIEW_COLS 5-178 8 DBA_EDITIONING_VIEW_COLS_AE 5-178 9 DBA_EDITIONING_VIEWS 5-178 1 DBA_EDITIONING_VIEWS 5-178 2 DBA_EDITIONING_VIEWS_AE 5-178 3 DBA_EDITIONING_VIEWS_AE 5-179 4 DBA_ENABLED_AGGREGATIONS 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENABLED_TRACES 5-179 5 DBA_ENABLED_TRACES 5-179 5 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_ERRORS 5-180 9 DBA_ERRORS 5-181 9 </td <td>5.318</td> <td>DBA_DIRECTORIES</td> <td>5-174</td>	5.318	DBA_DIRECTORIES	5-174
1 DBA_DMT_FREE_SPACE 5-175 2 DBA_DMT_USED_EXTENTS 5-175 3 DBA_DOMAIN_COLS 5-176 4 DBA_DOMAIN_CONSTRAINTS 5-176 5 DBA_DOMAINS 5-177 6 DBA_EDITION_COMMENTS 5-177 7 DBA_EDITIONED_TYPES 5-177 8 DBA_EDITIONING_VIEW_COLS 5-178 9 DBA_EDITIONING_VIEW_COLS_AE 5-178 0 DBA_EDITIONING_VIEWS 5-178 1 DBA_EDITIONING_VIEWS_AE 5-178 2 DBA_EDITIONING_VIEWS_AE 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_AGGREGATIONS 5-179 5 DBA_ENABLED_AGGREGATIONS 5-179 6 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_ERRORS_AE 5-181 0 DBA_ERRORS_AE 5-181 0 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXT_VARS 5-182 2 DBA_EXP_FILES 5-182 3 DBA_EXP_FILES 5-183 5 DBA_EXP_VERSION 5-183	5.319	DBA_DISCOVERY_SOURCE	5-174
2 DBA_DMT_USED_EXTENTS 5-175 3 DBA_DOMAIN_COLS 5-176 4 DBA_DOMAIN_CONSTRAINTS 5-176 5 DBA_DOMAINS 5-177 6 DBA_EDITION_COMMENTS 5-177 7 DBA_EDITIONING_VIEW_COLS 5-178 8 DBA_EDITIONING_VIEW_COLS_AE 5-178 9 DBA_EDITIONING_VIEWS_AE 5-178 1 DBA_EDITIONING_VIEWS_AE 5-178 2 DBA_EDITIONING_VIEWS_AE 5-178 3 DBA_EDITIONING_VIEWS_AE 5-179 4 DBA_EDITIONING_VIEWS_AE 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENABLED_TRACES 5-179 5 DBA_ENABLED_TRACES 5-179 5 DBA_ENABLED_TRACES 5-179 5 DBA_ENABLED_TRACES 5-180 5 DBA_ERROR_TRANSLATIONS 5-180 6 DBA_ERROR_TRANSLATIONS 5-181 9 DBA_ERROR_TRANSLATIONS	5.320	DBA_DML_LOCKS	5-174
3 DBA_DOMAIN_COLS 4 DBA_DOMAIN_CONSTRAINTS 5 -176 5 DBA_DOMAINS 5 -177 6 DBA_EDITION_COMMENTS 5 -177 7 DBA_EDITIONED_TYPES 5 -178 8 DBA_EDITIONING_VIEW_COLS 9 DBA_EDITIONING_VIEW_COLS 9 DBA_EDITIONING_VIEWS 1 DBA_EDITIONING_VIEWS_AE 2 DBA_EDITIONING_VIEWS_AE 3 DBA_EDITIONING_VIEWS_AE 4 DBA_EDITIONING_VIEWS_AE 5 -178 3 DBA_ENABLED_AGGREGATIONS 5 -179 4 DBA_ENABLED_TRACES 5 -179 5 DBA_ENABLED_TRACES 5 -179 6 DBA_ERROR_TRANSLATIONS 5 -180 6 DBA_ERROR_TRANSLATIONS 5 -181 7 DBA_ERROR_AE 7 DBA_ERROR_AE 8 DBA_ENABLED_TRACES 9 DBA_EVALUATION_CONTEXT_TABLES 1 DBA_EVALUATION_CONTEXT_VARS 2 DBA_EVALUATION_CONTEXTS 3 DBA_EXP_FILES 4 DBA_EXP_FILES 5 -182 7 DBA_EXP_OBJECTS 5 -183 7 DBA_EXP_CONTEXTS 5 -183 7 DBA_EXP_CONTEXTS 5 -183 7 DBA_EXP_CONTEXTS 5 -183 7 DBA_EXP_RESSION_STATISTICS 5 -183 7 DBA_EXTERNAL_LOCATIONS 5 -184 9 DBA_EXTERNAL_SCN_ACTIVITY 5 -184 1 DBA_EXTERNAL_TABLES 5 -186 1 DBA_EXTERNAL_TABLES 5 -187 1 DBA_EXTERNAL_TABLES 5 -186 1 DBA_EXTERNAL_TABLES 5 -187 2 DBA_EXTERNAL_TABLES 5 -188 3 DBA_EXTERNAL_TABLES 5 -186 1 DBA_EXTERNAL_TABLES 5 -187 2 DBA_EXTERNAL_TABLES 5 -187 2 DBA_EXTERNAL_TABLES 5 -188 3 DBA_EXTERNAL_TABLES 5 -189 3	5.321	DBA_DMT_FREE_SPACE	5-175
4 DBA_DOMAIN_CONSTRAINTS 5 DBA_DOMAINS 5 DBA_DOMAINS 5 DBA_EDITION_COMMENTS 7 DBA_EDITIONED_TYPES 8 DBA_EDITIONING_VIEW_COLS 9 DBA_EDITIONING_VIEW_COLS_AE 9 DBA_EDITIONING_VIEWS 5 1.78 1 DBA_EDITIONING_VIEWS 1 DBA_EDITIONING_VIEWS_AE 1 DBA_EDITIONING_VIEWS_AE 2 DBA_EDITIONING_VIEWS_AE 2 DBA_EDITIONS 3 DBA_ENABLED_AGGREGATIONS 4 DBA_ENABLED_TRACES 5 1.79 5 DBA_ENCRYPTED_COLUMNS 5 1.80 6 DBA_EPG_DAD_AUTHORIZATION 7 DBA_ERROR_TRANSLATIONS 8 DBA_ERRORS_AE 9 DBA_ERRORS_AE 1 DBA_ERRORS_AE 1 DBA_EVALUATION_CONTEXT_TABLES 1 DBA_EVALUATION_CONTEXT_TABLES 1 DBA_EVALUATION_CONTEXT_VARS 2 DBA_EVALUATION_CONTEXTS 3 DBA_EXP_FILES 4 DBA_EXP_FILES 5 1.82 5 DBA_EXP_VERSION 5 1.83 5 DBA_EXP_VERSION 5 1.83 6 DBA_EXP_VERSION 5 1.83 7 DBA_EXTERNAL_COCATIONS 5 1.84 9 DBA_EXTERNAL_COCATIONS 5 1.84 9 DBA_EXTERNAL_COCATIONS 5 1.85 1 DBA_EXTERNAL_COCATIONS 5 1.86 1 DBA_EXTERNAL_TABLES 1 DBA_FEATURE_USAGE_STATISTICS 2 DBA_FGA_AUDIT_TRAIL 3 DBA_FLASHBACK_ARCHIVE 5 1.89	5.322	DBA_DMT_USED_EXTENTS	5-175
5 DBA_DOMAINS 5-177 6 DBA_EDITION_COMMENTS 5-177 7 DBA_EDITIONED_TYPES 5-177 8 DBA_EDITIONING_VIEW_COLS 5-178 9 DBA_EDITIONING_VIEW_COLS_AE 5-178 0 DBA_EDITIONING_VIEWS 5-178 1 DBA_EDITIONING_VIEWS_AE 5-178 2 DBA_EDITIONING_VIEWS_AE 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_AGGREGATIONS 5-179 5 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-179 6 DBA_EPG_DAD_AUTHORIZATION 5-180 7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS_AE 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_ERRORS_AE 5-182 1 DBA_EVALUATION_CONTEXT_TABLES 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION </td <td>5.323</td> <td>DBA_DOMAIN_COLS</td> <td>5-176</td>	5.323	DBA_DOMAIN_COLS	5-176
6 DBA_EDITION_COMMENTS 5-177 7 DBA_EDITIONED_TYPES 5-178 8 DBA_EDITIONING_VIEW_COLS 5-178 9 DBA_EDITIONING_VIEW_COLS_AE 5-178 0 DBA_EDITIONING_VIEWS 5-178 1 DBA_EDITIONING_VIEWS_AE 5-178 2 DBA_EDITIONS 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_ERCRYPTED_COLUMNS 5-180 6 DBA_ERGOR_TRANSLATIONS 5-180 7 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_FILES 5-182 5 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_ESSION_STATISTICS 5-183 6 DBA_EXTERNAL_LOCATIONS 5-184	5.324	DBA_DOMAIN_CONSTRAINTS	5-176
7 DBA_EDITIONED_TYPES 5-177 8 DBA_EDITIONING_VIEW_COLS 5-178 9 DBA_EDITIONING_VIEW_COLS_AE 5-178 0 DBA_EDITIONING_VIEWS 5-178 1 DBA_EDITIONING_VIEWS_AE 5-178 2 DBA_EDITIONS 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_EPG_DAD_AUTHORIZATION 5-180 7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXT_VARS 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_FILES 5-182 5 DBA_EXP_VERSION 5-183 5 DBA_EXP_VERSION 5-183 5 DBA_EXPESSION_STATISTICS 5-183 6 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188	5.325	DBA_DOMAINS	5-177
8 DBA_EDITIONING_VIEW_COLS 5-178 9 DBA_EDITIONING_VIEW_COLS_AE 5-178 0 DBA_EDITIONING_VIEWS 5-178 1 DBA_EDITIONING_VIEWS_AE 5-178 2 DBA_EDITIONS 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_EPG_DAD_AUTHORIZATION 5-180 7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXTS 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_OBJECTS 5-183 5 DBA_EXPESSION_STATISTICS 5-183 7 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_TABLES </td <td>5.326</td> <td>DBA_EDITION_COMMENTS</td> <td>5-177</td>	5.326	DBA_EDITION_COMMENTS	5-177
9 DBA_EDITIONING_VIEW_COLS_AE 5-178 0 DBA_EDITIONING_VIEWS 5-178 1 DBA_EDITIONING_VIEWS_AE 5-178 2 DBA_EDITIONING_VIEWS_AE 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 6 DBA_EPG_DAD_AUTHORIZATION 7 DBA_ERROR_TRANSLATIONS 8 DBA_ERRORS 9 DBA_ERRORS 5-181 8 DBA_ERRORS_AE 0 DBA_EVALUATION_CONTEXT_TABLES 1 DBA_EVALUATION_CONTEXT_VARS 2 DBA_EVALUATION_CONTEXTS 3 DBA_EXP_FILES 4 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5 DBA_EXP_VERSION 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXP_VERSION_STATISTICS 7 DBA_EXTERNAL_LOCATIONS 9 DBA_EXTERNAL_LOCATIONS 9 DBA_EXTERNAL_LOCATIONS 9 DBA_EXTERNAL_LOCATIONS 9 DBA_EXTERNAL_TABLES 1 DBA_EXTERNAL_TABLES 1 DBA_EXTERNAL_TABLES 1 DBA_EXTERNAL_TABLES 1 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FGA_AUDIT_TRAIL 5-189	5.327	DBA_EDITIONED_TYPES	5-177
0 DBA_EDITIONING_VIEWS 5-178 1 DBA_EDITIONING_VIEWS_AE 5-178 2 DBA_EDITIONS 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_EPG_DAD_AUTHORIZATION 5-180 7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_ERRORS_AE 5-182 1 DBA_EVALUATION_CONTEXT_TABLES 5-182 2 DBA_EVALUATION_CONTEXT_VARS 5-182 3 DBA_EVALUATION_CONTEXTS 5-182 4 DBA_EXP_FILES 5-182 5 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXTERNAL 5-183 7 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_TABLES 5-186 1 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-189 <	5.328	DBA_EDITIONING_VIEW_COLS	5-178
1 DBA_EDITIONING_VIEWS_AE 5-178 2 DBA_EDITIONS 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_EPG_DAD_AUTHORIZATION 5-180 7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXT_VARS 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_FILES 5-182 5 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXTERNAL_LOCATIONS 5-183 9 DBA_EXTERNAL_TABLES 5-186 10 DBA_EXTERNAL_TABLES 5-186 10 DBA_FEATURE_USAGE_STATISTICS 5-187 10 DBA_FEATURE_USAGE_STATISTICS 5-189 10 DBA_FLASHBACK_ARCHIVE 5-189	5.329	DBA_EDITIONING_VIEW_COLS_AE	5-178
2 DBA_EDITIONS 5-179 3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_EPG_DAD_AUTHORIZATION 5-180 7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXTS 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXTERNS 5-183 7 DBA_EXTERNAL_LOCATIONS 5-183 8 DBA_EXTERNAL_SCN_ACTIVITY 5-184 9 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FLASHBACK_ARCHIVE 5-189	5.330	DBA_EDITIONING_VIEWS	5-178
3 DBA_ENABLED_AGGREGATIONS 5-179 4 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_EPG_DAD_AUTHORIZATION 5-180 7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXT_VARS 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXP_VERSION_STATISTICS 5-183 7 DBA_EXTERNAL_LOCATIONS 5-183 8 DBA_EXTERNAL_SCN_ACTIVITY 5-184 9 DBA_EXTERNAL_TABLES 5-186 1 DBA_EXTERNAL_TABLES 5-187 2 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.331	DBA_EDITIONING_VIEWS_AE	5-178
4 DBA_ENABLED_TRACES 5-179 5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_EPG_DAD_AUTHORIZATION 5-180 7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXT_VARS 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5-182 5 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXPERSION_STATISTICS 5-183 7 DBA_EXTERNAL_LOCATIONS 5-183 8 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.332	DBA_EDITIONS	5-179
5 DBA_ENCRYPTED_COLUMNS 5-180 6 DBA_EPG_DAD_AUTHORIZATION 5-180 7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXTS 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_FILES 5-182 5 DBA_EXP_OBJECTS 5-182 5 DBA_EXP_VERSION 5-183 6 DBA_EXP_VERSION 5-183 7 DBA_EXTERNS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.333	DBA_ENABLED_AGGREGATIONS	5-179
6 DBA_EPG_DAD_AUTHORIZATION 5-180 7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXTS 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTERNS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.334	DBA_ENABLED_TRACES	5-179
7 DBA_ERROR_TRANSLATIONS 5-181 8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-182 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXTS 5-182 2 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTERNS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.335	DBA_ENCRYPTED_COLUMNS	5-180
8 DBA_ERRORS 5-181 9 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXTS 5-182 2 DBA_EXP_FILES 5-182 3 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTENTS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.336	DBA_EPG_DAD_AUTHORIZATION	5-180
9 DBA_ERRORS_AE 5-181 0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXTS 5-182 2 DBA_EXP_FILES 5-182 3 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.337	DBA_ERROR_TRANSLATIONS	5-181
0 DBA_EVALUATION_CONTEXT_TABLES 5-182 1 DBA_EVALUATION_CONTEXT_VARS 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTENTS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.338	DBA_ERRORS	5-181
1 DBA_EVALUATION_CONTEXT_VARS 5-182 2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTENTS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.339	DBA_ERRORS_AE	5-181
2 DBA_EVALUATION_CONTEXTS 5-182 3 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTENTS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.340	DBA_EVALUATION_CONTEXT_TABLES	5-182
3 DBA_EXP_FILES 5-182 4 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTENTS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.341	DBA_EVALUATION_CONTEXT_VARS	5-182
4 DBA_EXP_OBJECTS 5-183 5 DBA_EXP_VERSION 5-183 6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTENTS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.342	DBA_EVALUATION_CONTEXTS	5-182
5 DBA_EXP_VERSION 5-183 6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTENTS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.343	DBA_EXP_FILES	5-182
6 DBA_EXPRESSION_STATISTICS 5-183 7 DBA_EXTENTS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.344	DBA_EXP_OBJECTS	5-183
7 DBA_EXTENTS 5-183 8 DBA_EXTERNAL_LOCATIONS 5-184 9 DBA_EXTERNAL_SCN_ACTIVITY 5-184 0 DBA_EXTERNAL_TABLES 5-186 1 DBA_FEATURE_USAGE_STATISTICS 5-187 2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.345	DBA_EXP_VERSION	5-183
B DBA_EXTERNAL_LOCATIONS 5-184 DBA_EXTERNAL_SCN_ACTIVITY 5-184 DBA_EXTERNAL_TABLES 5-186 DBA_FEATURE_USAGE_STATISTICS 5-187 DBA_FGA_AUDIT_TRAIL 5-188 DBA_FLASHBACK_ARCHIVE 5-189	5.346	DBA_EXPRESSION_STATISTICS	5-183
DBA_EXTERNAL_SCN_ACTIVITY DBA_EXTERNAL_TABLES DBA_FEATURE_USAGE_STATISTICS DBA_FGA_AUDIT_TRAIL DBA_FLASHBACK_ARCHIVE 5-184 5-186 5-187 5-188	5.347	DBA_EXTENTS	5-183
0DBA_EXTERNAL_TABLES5-1861DBA_FEATURE_USAGE_STATISTICS5-1872DBA_FGA_AUDIT_TRAIL5-1883DBA_FLASHBACK_ARCHIVE5-189	5.348	DBA_EXTERNAL_LOCATIONS	5-184
DBA_FEATURE_USAGE_STATISTICS 5-187 DBA_FGA_AUDIT_TRAIL 5-188 DBA_FLASHBACK_ARCHIVE 5-189	5.349	DBA_EXTERNAL_SCN_ACTIVITY	5-184
2 DBA_FGA_AUDIT_TRAIL 5-188 3 DBA_FLASHBACK_ARCHIVE 5-189	5.350	DBA_EXTERNAL_TABLES	5-186
3 DBA_FLASHBACK_ARCHIVE 5-189	5.351	DBA_FEATURE_USAGE_STATISTICS	5-187
	5.352	DBA_FGA_AUDIT_TRAIL	5-188
A DDA FLACUDACK ADOLUNE TABLEC	5.353	DBA_FLASHBACK_ARCHIVE	5-189
4 DBA_FLASHBACK_ARCHIVE_TABLES 5-190	5.354	DBA_FLASHBACK_ARCHIVE_TABLES	5-190
5 DBA_FLASHBACK_ARCHIVE_TS 5-190	5.355	DBA_FLASHBACK_ARCHIVE_TS	5-190
	5.356	DBA_FLASHBACK_TXN_REPORT	5-191
6 DBA_FLASHBACK_TXN_REPORT 5-191	5.357	DBA_FLASHBACK_TXN_STATE	5-191
	5.349 5.350 5.351 5.352 5.353 5.354	DBA_EXTERNAL_SCN_ACTIVITY DBA_EXTERNAL_TABLES DBA_FEATURE_USAGE_STATISTICS DBA_FGA_AUDIT_TRAIL DBA_FLASHBACK_ARCHIVE DBA_FLASHBACK_ARCHIVE_TABLES	5- 5- 5- 5- 5- 5-
6 DRA FLASHBACK TYN REPORT 5 101			
	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	/\$XSTREAM_MESSAGE_TRACKING	10-193		
	10.167 V	/\$XSTREAM_OUTBOUND_SERVER	10-195		
	10.168 V	/\$XSTREAM_TABLE_STATS	10-198		
	10.169 V	/\$XSTREAM_TRANSACTION	10-199		
	10.170 V	/\$ZONEMAP_USAGE_STATS	10-200		
Part	IV App	pendixes			
A	Databas	Database Limits			
	A.1 Data	type Limits	A-1		
	A.2 Phys	sical Database Limits	A-3		
	A.3 Logic	cal Database Limits	A-4		
	A.4 Proc	ress and Runtime Limits	A-7		
В	SQL Scripts				
	B.1 Crea	ating the Data Dictionary	B-1		
	B.2 Crea	ating Additional Data Dictionary Structures	B-2		
	B.3 The	"NO" Scripts	B-5		
	B.4 Upgr	rade Scripts	B-6		
	B.5 Java	a Scripts	B-6		
С	Oracle Wait Events				
	C.1 Clas	ses of Wait Events	C-1		
	C.2 Desc	criptions of Common Wait Event Parameters	C-2		
	C.3 Desc	criptions of Wait Events	C-5		
	C.3.1	alter system set dispatcher	C-5		
	C.3.2	ARCH Remote Write	C-5		
	C.3.3	ASYNC Remote Write	C-5		
	C.3.4	BFILE check if exists	C-5		
	C.3.5	BFILE check if open	C-6		
	C.3.6	BFILE closure	C-6		
	C.3.7	BFILE get length	C-6		
	C.3.8	BFILE get name object	C-6		
	C.3.9	BFILE get path object	C-6		
	C.3.10		C-7		
	C.3.11	•	C-7		
	C.3.12		C-7		
	C.3.13	broadcast 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



C.3.98	log file switch (checkpoint incomplete)	C-36
C.3.99	log file switch (clearing log file)	C-36
C.3.100	log file switch (private strand flush incomplete)	C-36
C.3.101	log file switch completion	C-36
C.3.102	log file sync	C-36
C.3.103	log switch/archive	C-37
C.3.104	optimizer stats update retry	C-37
C.3.105	parallel recovery change buffer free	C-37
C.3.106	parallel recovery control message reply	C-37
C.3.107	parallel recovery coord send blocked	C-38
C.3.108	parallel recovery coord wait for reply	C-38
C.3.109	parallel recovery coordinator waits for slave cleanup	C-38
C.3.110	parallel recovery read buffer free	C-38
C.3.111	parallel recovery slave next change	C-38
C.3.112	pending global transaction(s)	C-38
C.3.113	pipe get	C-39
C.3.114	pipe put	C-39
C.3.115	PL/SQL lock timer	C-39
C.3.116	pmon timer	C-39
C.3.117	prior spawner clean up	C-40
C.3.118	process startup	C-40
C.3.119	PX Deque wait	C-40
C.3.120	PX qref latch	C-41
C.3.121	PX server shutdown	C-41
C.3.122	PX signal server	C-41
C.3.123	rdbms ipc message	C-41
C.3.124	rdbms ipc message block	C-42
C.3.125	rdbms ipc reply	C-42
C.3.126	read by other session	C-42
C.3.127	recovery active instance mapping setup	C-42
C.3.128	recovery apply pending	C-42
C.3.129	recovery cancel	C-43
C.3.130	recovery checkpoint	C-43
C.3.131	recovery file header update for checkpoint	C-43
C.3.132	recovery file header update for fuzziness	C-43
C.3.133	recovery marker apply	C-43
C.3.134	recovery merge pending	C-43
C.3.135	recovery metadata latch	C-43
C.3.136	recovery move influx buffers	C-43
C.3.137	recovery read	C-43
C.3.138	recovery receive buffer free	C-44
C.3.139	recovery remote file verification	C-44



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 Statisti	ics Descriptions	E-1
E.Z Statisti		

