

# ITM 6.2/6.1 Attribute Difference Report

<b>Application</b>	<b>KOR</b>
<b>Product</b>	<b>OR</b>
<b>Agent</b>	<b>Oracle Database</b>

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## [=] TABLE: Oracle\_Server

*Use Server attributes to create reports that monitor a server instance.*

[+] Database_Started	<i>Status of the instance.</i>
[+] Parallel_Mode	<i>Specifies whether the Oracle Application Cluster is running in Parallel mode.</i>
[+] Parallel_Execution_Process_Limit_Percent	<i>The percentage of the high water value for the parallel execution servers up to the limit set by the parallel_max_servers initialization parameter.</i>
[+] Instance_Number	<i>The instance number that is used for instance registration.</i>
[+] Maximum_Datafiles	<i>The maximum number of datafiles allowed.</i>
[+] Oracle_Home_Directory	<i>The ORACLE_HOME value for this instance.</i>
[+] Transactions_Init_Parameter	<i>The value of the transactions initialization parameter.</i>

## [=] TABLE: Oracle\_Configuration

*Use Configuration attributes to create reports that monitor configuration of a server instance.*

[+] Description	<i>The description of the parameter.</i>
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## [=] TABLE: Oracle\_Statistics\_Summary

*Use Statistics Summary attributes to create reports that monitor performance statistics for a server instance.*

[+] Database_Creation_Date	<i>The date that the database was created.</i>
[+] Total_False_Pings	<i>The number of times that two or more blocks are accessed by two nodes concurrently, where each node is updating a separate block.</i>
[+] Total_Recursive_Calls	<i>Recursive statements are SQL statements that are generated by the Oracle kernel rather than by user applications.</i>
[+] Block_Get_Rate	<i>The number of gets (both db block gets and consistent gets) per second.</i>
[+] PGA_Component_Area	<i>Amount of memory (in bytes) consumed by consumers of program global area memory other than for auto work areas.</i>
[+] PGA_Multipass_Executions	<i>Total number of work areas that were run with multi-pass memory size.</i>
[+] PGA_Optimal_Percent	<i>Percentage of work areas that were run with optimal memory size.</i>
[+] PGA_Work_Area_Maximum_Size	<i>Maximum size of a memory work area that was run in AUTO mode.</i>
[+] PGA_Work_Area_Percent	<i>The percentage of program global area memory that is available for work areas after other components of the database have allocated.</i>
[+] Rollback_Header_Waits_Percent	<i>The percentage of rollback segment header waits on a specified data block for a specified length of time.</i>
[+] Enqueue_Timeouts	<i>The total number of enqueue (table and row) locks that timed out before they can complete.</i>
[+] Recursive_Calls_To_User_Calls_Ratio_For_Interval	<i>The number of recursive calls as a percentage of total calls for this interval.</i>
[+] Recursive_Calls_Percent	<i>The number of recursive calls as a percentage of total calls.</i>
[+] Total_User_Calls	<i>The total number of user calls.</i>
[+] Buffer_Busy_Waits	<i>The number of waits.</i>
[+] Recycle_Cache_Hit_Percent_For_Interval	<i>The ratio of hits to misses for the Recycle cache.</i>
[+] Keep_Cache_Hit_Percent_For_Interval	<i>The ratio of hits to misses for the Keep cache.</i>
[+] Redo_Copy_Latch_Ratio_Increase	<i>As a percentage, the increase in the ratio of misses to gets for the redo copy latch since the last cycle time.</i>
[+] Data_Cache_Hit_Percent_for_Interval	<i>The Data Cache Hit Percent for Interval indicates the effectiveness of this cache.</i>
[+] Percent_Long_Table_To_Full_Table_Scans_for_Interval	<i>The percentage of full table scans that comes from long tables for the current monitoring interval.</i>

## [=] TABLE: Oracle\_Process\_Detail

*These attributes provide detailed information that includes the type and status of the process and ID associated with the process.*

[+] Process_Description	<i>Description of the background process.</i>
[+] Process_Address_Long	<i>The process address that owns the session.</i>

## [=] TABLE: Oracle\_Session\_Summary

*Use Session Summary attributes to create reports that monitor all the sessions for a server instance.*

[+] Sessions\_Warning\_Limit *The warning limit for concurrent user sessions for the instance.*

## [=] TABLE: Oracle\_Session\_Detail

*Use Session Detail attributes to create reports that monitor a single session for a server instance.*

[+] Access\_Objects *The number of objects that are currently locked by this session and are not owned by SYS, SYSTEM, or PUBLIC.*  
[+] Lock\_Wait\_Time *The time (in seconds) since current mode was granted.*  
[+] Logon\_Time *The time of logon for the specified session.*  
[+] Total\_Open\_Cursors *The number of cursors currently open by this session.*  
[+] SQL\_Address\_Long *SQL address to be used with SQLHASHV to obtain SQL statement.*  
[+] Hash\_Value\_Long *This is the 40 byte version of the hash value used with ADDRESS to identify uniquely a cached cursor.*  
[+] Process\_Address\_Long *The address of the process that owns the session.*  
[+] SQL\_Text *This value is currently empty.*

## [=] TABLE: Oracle\_Database

*Use Database attributes to create reports that monitor performance and availability of Oracle databases.*

[+] Instance\_Role *Specifies whether the instance is active, inactive, or not mounted.*

## [=] TABLE: Oracle\_Files

*Use Files attributes to create reports that monitor information about the files contained in a table space.*

[+] Physical\_Reads *The total number of data blocks read from a datafile when a request for a data block cannot be done from a local cache.*  
[+] Physical\_Writes *The total number of data blocks written to disk.*

## [=] TABLE: Oracle\_Segments

*Use Segments attributes to create reports that monitor segments defined for a tablespace.*

[+] Free\_Space\_Deficit\_Including\_Auto\_Extend *This value is based on whether any segments are unable to allocate their next extent because of insufficient free space in the tablespace, and not because the segments reached MAXEXTENTS.*  
[+] Total\_Extents\_Allocated *Looks at the number of extents allocated to all objects and returns the largest number of extents found.*

## [=] TABLE: Oracle\_Tablespaces

*Use Tablespaces attributes to create reports that monitor a tablespace.*

[+] Allocation\_Type *Type of extent allocation in effect for the tablespace.*  
[+] Tablespace\_Contents *Tablespace contents.*  
[+] Extent\_Management *Indicates how the extents in the tablespace are managed.*  
[+] Tablespace\_Logging *Default logging attribute.*  
[+] Tablespace\_ID *The tablespace number.*  
[+] Space\_Allocated\_in\_Megabytes *The space allocated, in MB.*  
[+] Space\_Free\_in\_Megabytes *The free space, in MB.*  
[+] Space\_Used\_in\_Megabytes *The used space, in MB.*  
[+] Free\_Space\_in\_Megabytes\_Including\_Auto\_Extend *The total free space available, in MB, including auto extend.*  
[+] Percent\_Free\_Space\_Including\_Auto\_Extend *The percentage of free space, including auto extend.*

## [=] TABLE: Oracle\_Alert\_Log\_Summary

*Use Alert Log Summary attributes to create reports that monitor detailed information gathered in the Oracle alert log.*

[+] Alert\_Log\_File\_Name *The name of the file to which the Oracle instance is logging.*

## [=] TABLE: Oracle\_Alert\_Log\_Details

*Use Alert Log Details attributes to create reports that monitor detailed information gathered in the Oracle alert log.*

[+] Message\_Offset *The offset (in bytes) from the beginning of the log file where the log event starts.*

[+] Message\_Severity *The severity (as an integer) of the log event.*

## [=] TABLE: Oracle\_Cache\_Totals

*Use Cache Totals attributes to create reports that monitor cache usage for a server instance.*

[+] Interval\_Dictionary\_Cache\_Hit\_Percent *The percentage of entries in the dictionary cache that were hits over the interval.*

[+] Buffer\_Cache\_C\_Gets *The number of times a consistent read was requested for a block.*

[+] Buffer\_Cache\_DB\_Gets *The number of times a CURRENT block was requested.*

[+] Buffer\_Cache\_Physical\_Reads\_Direct *Number of reads directly from disk, bypassing the buffer cache.*

[+] Buffer\_Cache\_Physical\_Reads\_Direct\_LOB *Number of lob reads directly from disk, bypassing the buffer cache.*

[+] Buffer\_Cache\_Session\_Log\_Reads *Sum of db block gets plus consistent gets.*

[+] Keep\_Cache\_C\_Gets *Keep cache consistent gets statistic.*

[+] Keep\_Cache\_DB\_Gets *Keep cache database blocks gotten statistic.*

[+] Keep\_Cache\_Hit\_Percent *The percentage of the keep buffer pool cache hits to total requests over the lifetime of an instance.*

[+] Keep\_Cache\_Physical\_Reads *Keep cache physical reads statistic.*

[+] Recycle\_Cache\_C\_Gets *Recycle cache consistent gets statistic.*

[+] Recycle\_Cache\_DB\_Gets *Recycle cache database blocks gotten statistic.*

[+] Recycle\_Cache\_Hit\_Percent *The percentage of the recycle buffer pool cache hits to total requests over the lifetime of an instance.*

[+] Recycle\_Cache\_Physical\_Reads *Recycle cache physical reads statistic.*

## [=] TABLE: Oracle\_Library\_Cache\_Usage

*Use Library Cache Usage attributes to create reports that monitor the Oracle library cache on a namespace basis.*

[+] Library\_Cache\_Pin\_Hits *The number of times that all of the metadata pieces of the library object were found in memory.*

[+] Interval\_Library\_Cache\_Hit\_Percent *The percentage of entries in the library cache that were hits over the interval.*

## [=] TABLE: Oracle\_Server\_Enterprise

*The Enterprise Servers Summary attributes provide the Oracle system identification, status and version information for the enterprise view.*

[+] Server\_Status\_Previous *The status of the server instance from the previous interval.*

## [=] TABLE: Oracle\_SQL\_Text\_Full

*Use SQL Text Full attributes to create reports that monitor the SQL statements loaded in the library cache.*

[+] Address\_Long *This is the 16-bit version of the address.*

[+] Hash\_Value\_Long *This is the 40 byte version of the hash value used with ADDRESS to identify uniquely a cached cursor.*

## [=] TABLE: Oracle\_Advanced\_Queue\_Summary

*Use Advanced Queue attributes to create reports that monitor the number of messages in a user-specified queue that are in one of the following states: WAITING, READY or EXPIRED.*

[+] Destination	<i>The destination name for the queue.</i>
[+] Total_Failures	<i>The number of times the execution failed.</i>
[+] Last_Error_Date	<i>The date of the most recent unsuccessful execution.</i>
[+] Last_Error_Message	<i>The error number and error message text for the most recent unsuccessful execution.</i>
[+] Last_Error_Time	<i>The time of the last unsuccessful execution.</i>
[+] Queue_Owner	<i>The owner of the queue.</i>
[+] Schedule_Disabled	<i>Indicates whether the schedule is enabled or disabled.</i>
[+] Queue_Type	<i>The type of queue.</i>
[+] Total_Messages	<i>The total number of messages.</i>
[+] Queue_Schema	<i>The schema of the queue.</i>

## [=] TABLE: Oracle\_Listener\_Detail

*Use Listener Detail attributes to create reports that monitor the state of the Oracle listeners.*

[+] Listener_Status_Number	<i>The status of the listener at the last interval represented as numeric value.</i>
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## [+] TABLE: Oracle\_Archive\_Destination\_Detail

*This group of data describes the Oracle Archive Destination information.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] Binding	<i>Specifies how failure affects the archival operation.</i>
[+] Destination_ID	<i>The archive destination identifier.</i>
[+] Destination_Name	<i>The archive destination text string as either a translated primary location, or a standby service name.</i>
[+] Last_Error	<i>The text of any last error.</i>
[+] Fail_Block_Number	<i>The block number of the archived redo log being archived when the last error occurred.</i>
[+] Fail_Sequence	<i>The sequence number of the archived redo log being archived when the last error occurred.</i>
[+] Free_Space	<i>The amount of unallocated space, in KB, on the archive destination device.</i>
[+] Free_Space_Percent	<i>The amount of unallocated space on the archive destination device as a percentage of the entire archive destination size.</i>
[+] Mount_Point	<i>The file system directory that contains the data contents of a particular drive.</i>
[+] NameSpace	<i>One of the following values: System or Session.</i>
[+] Archiving_Status	<i>The current status of the archive destination.</i>
[+] Target	<i>Identifies the target.</i>
[+] Total_Size	<i>The total capacity (in KB) for the archive destination device.</i>
[+] Used_Size	<i>The capacity currently used (in KBs) for the archive destination device.</i>
[+] Available_Redo_Logs	<i>The available redo logs.</i>

## [+] TABLE: Oracle\_Active\_Process\_Summary

*This group of data summarizes the Oracle active processes.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] Program_Name	<i>The name of the program.</i>
[+] Process_Name	<i>The short, 4-letter name of the process.</i>
[+] Total_Running	<i>The number of processes running for a particular type of Oracle process.</i>

## [+] TABLE: Oracle\_Job\_Summary

*This group of data summarizes the Oracle jobs.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] Broken	<i>Specifies if an attempt to run a job is successful.</i>
[+] Next_Start	<i>Number of minutes from the current date that this job is next scheduled to be run.</i>
[+] Failures	<i>The number of times this job has started and failed since its last successful execution.</i>
[+] Job_ID	<i>The identifier of a job.</i>
[+] Last_Success_Sec	<i>The start time from which this job successfully ran.</i>
[+] Log_User	<i>The login user name for a submitted job.</i>
[+] Next_Sec	<i>The time when this job is to run next.</i>
[+] Priv_User	<i>The user name for the user whose default privileges apply to this job.</i>
[+] Schema_User	<i>The default schema that is used to parse the job.</i>
[+] Interval_Function	<i>A date function that is evaluated at the start of execution that becomes next NEXT_DATE.</i>

## [+] TABLE: Oracle\_Network\_Summary

*This group of data summarizes the Oracle Network information.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] Shared_Server_Maximum_Connections	<i>The largest number of virtual circuits in use at one time since the instance started.</i>
[+] Shared_Server_Maximum_Sessions	<i>The largest number of shared server sessions in use at one time since the instance started.</i>
[+] Shared_Servers_Started	<i>The total number of shared servers started since the instance started.</i>
[+] Shared_Servers_Terminated	<i>The total number of shared servers that Oracle stopped since the instance started.</i>
[+] Maximum_Shared_Servers	<i>The maximum number of shared servers that Oracle permits for this instance.</i>
[+] Shared_Server_Process_Highwater_Mark_Percent	<i>The high water mark of the shared-server processes as a percentage of the instance limit.</i>

## [+] TABLE: Oracle\_Redo\_Log\_Summary

*This group of data summarizes the Oracle Redo Log information.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] Archived	<i>The archive status.</i>
[+] Redo_Log_Size	<i>The size of the log, in bytes.</i>
[+] First_Change_ID	<i>The lowest system change number in the log.</i>
[+] Group_ID	<i>The Log group number.</i>
[+] Number_of_Members	<i>The number of members in the selected log group.</i>
[+] Status	<i>The current status for the monitored source.</i>
[+] Thread_ID	<i>The Log thread number.</i>

## [+] TABLE: Oracle\_Transaction\_Summary

*This group of data summarizes the Oracle Redo Log information.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] Transaction_Address	<i>The location of the transaction state object.</i>
[+] Session_ID	<i>The session identifier for the specified transaction.</i>
[+] User_Name	<i>The name of the user as recognized by the Oracle server and other users so that the user can connect to and access objects in a database.</i>
[+] SQL_Text	<i>This value is currently empty.</i>

## [+] TABLE: Oracle\_Undo\_Stat\_Summary

*This group of data summarizes the Oracle Undo Stat information.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] No_Space_Error_Count	<i>Identifies the number of times space was requested in the undo tablespace, but no free space was available.</i>
[+] Snapshot_Too_Old_Error_Count	<i>Identifies the number of times the error ORA-01555 occurred.</i>
[+] Undo_Blocks_Used	<i>The total number of consumed undo blocks.</i>

## [+] TABLE: Oracle\_Dump\_Space\_Detail

*This group of data describes the Oracle Dump Space information.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] Background_Dump_Space_Destination	<i>The location of background dump space.</i>
[+] Background_Dump_Space_Free_Size	<i>Unallocated space on the background dump space destination.</i>
[+] Background_Dump_Space_Total_Size	<i>Total capacity of the background dump space destination.</i>
[+] Background_Dump_Space_Percent_Used	<i>Space allocated as a percentage of the total space on the background dump space destination.</i>
[+] Core_Dump_Space_Destination	<i>The location of core dump space.</i>
[+] Core_Dump_Space_Free_Size	<i>Unallocated space on the core dump space destination.</i>
[+] Core_Dump_Space_Total_Size	<i>Total capacity of the core dump space destination.</i>
[+] Core_Dump_Space_Percent_Used	<i>Space allocated as a percentage of the total space on the core dump space destination.</i>
[+] User_Dump_Space_Destination	<i>The location of user dump space.</i>
[+] User_Dump_Space_Free_Size	<i>Unallocated space on the user dump space destination.</i>
[+] User_Dump_Space_Total_Size	<i>Total capacity of the user dump space destination.</i>
[+] User_Dump_Space_Percent_Used	<i>Space allocated as a percentage of the total space on the user dump space destination.</i>

## [+] TABLE: Oracle\_Lock\_Count\_Summary

*This group of data summarizes the Oracle Lock counts.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] Lock_Type	<i>The type of user or system lock.</i>
[+] Lock_Count	<i>The number of locks currently held of this specific type.</i>

## [+] TABLE: Oracle\_HSAgent\_Detail

*This group of data describes the Oracle Heterogeneous Agent information.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] Agent_Type	<i>Type of agent.</i>
[+] Agent_ID	<i>The Oracle Net session identifier that is used for connections to the agent.</i>
[+] Program_Name	<i>The program name of agent.</i>
[+] Process_Address	<i>The operating system process identifier of agent.</i>
[+] Machine	<i>The operating system computer name.</i>
[+] OS_User	<i>The operating system user.</i>

## [+] TABLE: Oracle\_Access\_Detail

*This group of data provides detailed Oracle Access information.*

[+] Server	<i>The name of the server instance.</i>
[+] Host_Name	<i>The name of the host computer for the server instance.</i>
[+] Database_Name	<i>The name of the database for the server instance.</i>
[+] Current_Interval	<i>The sample interval used to collect this data in seconds.</i>
[+] Session_ID	<i>The session identifier for the server instance.</i>
[+] Access_Object	<i>The name of the object currently locked by this session.</i>
[+] Access_Owner	<i>The owner of the object currently locked by this session.</i>
[+] Access_Type	<i>The type identifier for the object being locked.</i>