

## ITM 6.2/6.1 Attribute Difference Report

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## [=] TABLE: KUDINFO00

*Use the System Overview attributes to monitor general information about the DB2 UDB subsystem in your environment.*

[+] db2start_time_timestamp	<i>The date and time that the database manager was started using the DB2START command.</i>
[+] last_reset_timestamp	<i>The date and time that the monitor counters were reset for the application requesting the snapshot.</i>
[+] snapshot_time_timestamp	<i>The string date and time when the database system monitor information was collected.</i>
[+] comm_private_mem_KB	<i>The amount (in KB) of private memory that the instance of the database manager currently has committed at the time of the snapshot.</i>
[+] cons_in_exec_pct	<i>The percentage of the maximum number of applications allowed that are connected to a database and processing a unit of work during the monitoring interval.</i>
[+] db_partition	<i>The DB2 database partition node number, which can range from 0 to 999.</i>
[+] sort_heap_used_pct	<i>The percentage of the allocated sort heap that the DB2 instance used during the monitoring interval.</i>

## [=] TABLE: KUDDBASEGROUP00

*Use these attributes to obtain information about database activities.*

[+] db_partition	<i>The DB2 database partition node number, which can range from 0 to 999.</i>
[+] instance_name_U	<i>The name of the monitored DB2 instance (Unicode).</i>

## [=] TABLE: KUDLOCKCONFLICT00

*These attributes provide information to identify which applications are waiting for resources and which applications are holding the resources.*

[+] snapshot_time_timestamp	<i>The string date and time when the database system monitor information was collected.</i>
[+] status_change_time_timestamp	<i>The date and time the application entered its current status.</i>
[+] lock_wait_start_time_timestamp	<i>The date and time that the application started waiting to obtain a lock on the object that is currently locked by another application.</i>
[+] db_partition	<i>The DB2 database partition node number, which can range from 0 to 999.</i>

## [=] TABLE: KUDBUFFERPOOL00

*The Buffer Pool attributes provide information about buffer pool activities.*

[+] pool_total_reads_K	<i>The total number of read requests in thousands (K) that required I/O to get data pages and index pages into the buffer pool.</i>
[+] pool_total_writes_K	<i>The total number of write requests in thousands (K).</i>
[+] db_partition	<i>The DB2 database partition node number, which can range from 0 to 999.</i>

## [=] TABLE: KUDTABSPACE

*The Tablespace attributes provide information to monitor page size and usage characteristics for a tablespace.*

[+] SPACE_USED_SMS_TABLE_MB	<i>The number of MB allocated to the System Managed Space (SMS) tablespace.</i>
[+] db_partition	<i>The DB2 database partition node number, which can range from 0 to 999.</i>
[+] pool_hit_ratio_pct_for_int	<i>The overall buffer pool hit ratio (as a percentage) for the database during the monitoring interval.</i>
[+] instance_name_U	<i>The name of the monitored DB2 instance (Unicode).</i>
[+] tbsp_state_name	<i>The comma-delimited tablespace state name that corresponds to the tablespace status (TBSP STATUS) attribute.</i>

## [=] TABLE: KUDDBASEGROUP01

*Use these attributes to obtain information about the efficiency of the database and identify any problem areas for corrective action.*

[+] snapshot_time_timestamp	<i>The string date and time when the database system monitor information was collected.</i>
[+] db_conn_time_timestamp	<i>The date and time when the first database connection was made.</i>
[+] last_backup_timestamp	<i>The date and time that the latest database backup was completed.</i>
[+] lock_list_in_use_KB	<i>The total amount of lock list memory in KB that is currently in use.</i>
[+] pool_total_reads_K	<i>The total number of read requests in thousands that required input output to get data pages and index pages into the buffer pool.</i>
[+] pool_total_writes_K	<i>The total number of write requests in thousands.</i>
[+] sec_log_used_top_MB	<i>The maximum amount of secondary log space in MB that has been used.</i>
[+] tot_log_used_top_MB	<i>The maximum amount of total log space (in MB) that has been used.</i>
[+] total_log_used_MB	<i>The total log space used in MB in the database.</i>
[+] db_partition	<i>The DB2 database partition node number, which can range from 0 to 999.</i>
[+] instance_name_U	<i>The name of the monitored DB2 instance in Unicode.</i>
[+] lock_timeouts_for_int	<i>The number of times that a request to lock an object were timed out instead of being granted during the monitoring interval.</i>
[+] rollback_rate_for_int	<i>The rate, in rollbacks per second, at which unit-of-work rollbacks were attempted during the monitoring interval.</i>
[+] sql_stmts_rate_for_int	<i>The rate, in executed SQL statements per second, at which SQL statements were executed during the monitoring interval.</i>
[+] days_since_last_backup	<i>The numbers of days since the last database backup was completed.</i>
[+] sort_overflows_pct_for_int	<i>The percentage of application sorts that overflowed during the monitoring interval.</i>
[+] failed_sql_stmts_pct_for_int	<i>The percentage of total Structured Query Language statements that failed during the monitoring interval.</i>
[+] avg_lock_escal_con_for_int	<i>The average lock escalations per connection for this database during the monitoring interval.</i>
[+] deadlock_rollbacks_pct	<i>The percentage of the total number of rollbacks that deadlock caused.</i>
[+] lock_escalation_for_int	<i>The total number of lock escalations for applications connected to this database during the monitoring interval.</i>
[+] pri_log_used_top_MB	<i>The maximum bytes of primary logs used in MB.</i>

## [=] TABLE: KUDDB2APPLGROUP01

*The Application Information attribute group provides information about the database and the application.*

[+] snapshot_time_timestamp	<i>The string date and time when the database system monitor information was collected.</i>
[+] lock_wait_start_time_timestamp	<i>The date and time that the application started waiting to obtain a lock on the object that is currently locked by another application.</i>
[+] appl_con_time_timestamp	<i>The date and time that an application started a connection request.</i>
[+] conn_complete_time_timestamp	<i>The date and time that a connection request was granted.</i>
[+] stmt_start_timestamp	<i>The date and time that the most recent SQL statement operation started.</i>
[+] stmt_stop_timestamp	<i>The date and time that the most recent SQL statement operation stopped.</i>
[+] prev_uow_stop_time_timestamp	<i>The date and time that the unit of work completed.</i>
[+] uow_start_time_timestamp	<i>The date and time that the unit of work first required database resources.</i>
[+] uow_stop_time_timestamp	<i>The date and time that the most recent unit of work completed, which occurs when database changes are committed or rolled back.</i>
[+] pool_total_reads_K	<i>The total number of read requests in thousands (K) that required I/O to get data pages and index pages into the buffer pool.</i>
[+] pool_total_writes_K	<i>The total number of write requests in thousands (K).</i>
[+] uow_log_space_used_MB	<i>The amount of log space (in MB) used in the current unit of work of the monitored application.</i>
[+] appl_id_U	<i>The application ID.</i>
[+] db_partition	<i>The DB2 database partition node number, which can range from 0 to 999.</i>
[+] instance_name_U	<i>The name of the monitored DB2 instance (Unicode).</i>
[+] appl_section_lookups	<i>Number of lookups of SQL sections by an application from its SQL work area.</i>
[+] agent_usr_cpu_time	<i>The total CPU time (in seconds) that the database manager agent process spent in system calls.</i>
[+] agent_sys_cpu_time	<i>The total system CPU time (in seconds) that the database manager agent process spent executing database manager code.</i>
[+] lock_list_in_use_pct	<i>The total elapsed time, (in seconds), that the application waited for a lock to be granted during the monitoring interval.</i>
[+] open_curs	<i>The number of local and remote cursors that are currently open for this application, including blocking cursors.</i>
[+] open_curs_blk	<i>The number of local and remote blocking cursors that are currently open for this application.</i>
[+] pool_hit_ratio_pct_for_int	<i>The overall buffer pool hit ratio (as a percentage) for the database during the monitoring interval.</i>
[+] total_sorts_for_int	<i>The total number of sorts that are executed by the application during the monitoring interval.</i>

## [=] TABLE: KUDDB2APPLGROUP00\_U

*The Application Information (Unicode) attribute group provides information about the database and the application.*

[+] db\_partition *The DB2 database partition node number, which can range from 0 to 999.*

## [+] TABLE: KUD\_DB2\_Apply\_Program

*The Apply Program attributes provide status information about the Apply program processes that are configured to run on a database manager server.*

[+] instance\_name\_U *The name of the monitored DB2 instance (Unicode).*  
[+] db\_name\_U *The database name on the Apply control server where the subscription set table is stored.*  
[+] apply\_qualifier *Uniquely identifies which Apply program processes this subscription set.*  
[+] apply\_id *The subscriber user ID that started the Apply program.*  
[+] apply\_status *Indicates the state of the Apply subscription process for every distinct apply id in the Apply program subscription sets.*  
[+] tot\_apply\_sub\_fail *The number of subscriptions with the same apply id that the Apply program failed to replicate.*  
[+] tot\_apply\_sub\_lag *The total number of Apply program subscriptions that have not completed within their scheduled replication interval.*

## [+] TABLE: KUD\_DB2\_Table

*The Table attribute group provides information to monitor table specific attributes, such as row read and row write rates.*

[+] instance\_name\_U *The name of the monitored DB2 instance (Unicode).*  
[+] db\_name\_U *The database name.*  
[+] db\_partition *The DB2 database partition node number, which can range from 0 to 999.*  
[+] table\_name\_U *The table name.*  
[+] table\_schema\_U *The schema name.*  
[+] reorg\_needed *Indicates whether the table, its indexes, or both need to be reorganized, and is calculated using DB2 monitoring data that is generated when the DB2 RUNSTATS utility is run.*  
[+] rows\_read\_rate\_for\_int *The rate (per second) at which rows were read from the table during the monitoring interval.*  
[+] rows\_write\_rate\_for\_int *The rate (per second) at which rows were changed (inserted, deleted, or updated) in the table during the monitoring interval.*

## [+] TABLE: KUD\_DB2\_DCS\_Database

*The DCS Database attributes provide Direct Connection Service (DCS) database information for the monitored database gateway.*

[+] instance\_name\_U *The name of the monitored DB2 instance (Unicode).*  
[+] db\_name\_U *The real name of the host database for which information is collected or to which the application is connected.*  
[+] db\_partition *The DB2 database partition node number, which can range from 0 to 999.*  
[+] gw\_cur\_cons *The current number of connections to host databases that the DB2 Connect gateway is handling.*  
[+] gw\_cons\_wait\_host *The current number of connections to host databases that the DB2 Connect gateway is handling, and that are waiting for a reply from the host.*  
[+] gw\_comm\_errors\_for\_int *The number of times during the monitoring interval that a communication error (SQL30081) occurred while a DCS application tried to connect to a host database, or while it was processing an SQL statement.*  
[+] host\_throughput\_for\_int *The host throughput in bytes per second for the monitoring interval.*

## [+] TABLE: KUD\_DB2\_Apply\_Subscription

*The Apply Subscription attributes provide information about Apply program subscription sets that are configured to run on a database manager server.*

[+] instance_name_U	<i>The name of the monitored DB2 instance (Unicode).</i>
[+] db_name_target	<i>Database name.</i>
[+] target_table	<i>The name of the target table or view for this member.</i>
[+] target_owner	<i>The name of the target owner for this member.</i>
[+] apply_num_reqs_refresh	<i>Indicates the number of subscriptions the Apply program failed to replicate because refresh copying was disabled.</i>
[+] apply_sub_status	<i>The Apply program subscription status.</i>
[+] apply_id	<i>Subscriber user ID that started the Apply program.</i>