SHOW ENGINE INNODB STATUS

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- SHOW ENGINE displays operational information about a storage engine.

- SHOW ENGINE INNODB STATUS is a specific form of the SHOW ENGINE statement that displays the InnoDB Monitor output, which is extensive InnoDB information which can be useful in diagnosing problems.

- The following sections are displayed

- **Status:** Shows the timestamp, monitor name and the number of seconds, or the elapsed time between the current time and the time the InnoDB Monitor output was last displayed.

- **BACKGROUND THREAD:** srv_master_thread lines show work performed by the main background thread.

- **SEMAPHORES:** Threads waiting for a semaphore and stats on how the number of times threads have needed a spin or a wait on a mutex or rw-lock semaphore. If this number of threads is large, there may be I/O or contention issues.

- **LATEST FOREIGN KEY ERROR:** Only shown if there has been a foreign key constraint error, it displays the failed statement and information about the constraint and the related tables.

SHOW ENGINE INNODB STATUS (Contd …)

- **LATEST DETECTED DEADLOCK:** Only shown if there has been a deadlock, it displays the transactions involved in the deadlock and the statements being executed, held and required locked and the transaction rolled back to.

- **TRANSACTIONS:** The output of this section can help identify lock contention, as well as reasons for the deadlocks.

- **FILE I/O:** InnoDB thread information as well as pending I/O operations and I/O performance statistics.

- **INSERT BUFFER AND ADAPTIVE HASH INDEX:** InnoDB insert buffer and adaptive hash index status information, including the number of each type of operation performed, and adaptive hash index performance.

- **LOG:** InnoDB log information, including current log sequence number, how far the log has been flushed to disk, the position at which InnoDB last took a checkpoint, pending writes and write performance statistics.

- **BUFFER POOL AND MEMORY:** Information on buffer pool pages read and written, which allows you to see the number of data file I/O operations performed by your queries

- **ROW OPERATIONS:** Information about the main thread, including the number and performance rate for each type of row operation.