

# Database Monitoring & Management

## DB2® (Windows®)

### Sensor List

#### Agents Registered

Monitors excessive agents registered concurrently to the database instance.

#### Agents Unassigned In Pool

Monitors the number of database agents in the agent pool associated with the DB2 DBM instance that are unassigned to an application.

#### Application Status

Monitors the status of an application.

#### BufferPool Data Page Clean

Monitors the ratio of asynchronous data writes to synchronous data writes.

#### BufferPool Hit Percent

Monitors the percentage of data and index reads that required access to the disk because the data was not already in the cached buffer pool.

#### BufferPool Index Page Clean

Monitors the ratio of asynchronous index writes to synchronous index writes.

#### Data Page Hit

Monitors the percentage of data reads that did not require physical disk access.

#### DB Heap Allocation

Monitors the portion of heap that has been allocated and used by the database.

#### DB2 Server Process Check

Monitors the status of the main server process.

#### DB2 Service Running

Checks for DB2 services that are auto-started, but are not running.

#### DDL Statements

Monitors the percentage of Data Definition Language (DDL) SQL statements performed.

#### Excessive Deadlocks

Monitors the number of deadlocks that have occurred.

#### Index Page Hit

Monitors the percentage of index reads that did not require physical disk access.

#### Lock Escalations

Monitors the number of times that locks have been escalated from several row locks to a table lock.

#### Locked Out Connections

Monitors the number of locked out connections.

#### Locklist Memory Used

Monitors an excessive amount of locklist memory used.

#### Locks Remaining

Sends an alert if the number of locks remaining drops below a specified threshold.

#### Maximum Agents Overflow

Monitors the number of agents that have overflowed.

#### Number Local Connects

Monitors the number of local applications currently connected to a local database within the database instance.

#### Number Lock Timeouts

Monitors the number of times a request to lock a database object times out.

#### Number Open Cursors

Monitors the number of cursors currently open for an application.

#### Number Sector Reads

Monitors the number of sectors read by a direct read request.

#### Number Sector Writes

Monitors the number of sectors written by a direct write request.

#### Package Cache Hit

Monitors low percentage of package cache hits.

#### Page Clean Write Time

Monitors the average amount of asynchronous write time that is required by the Database Manager page cleaners each time data is written from the buffer pool to disk.

#### Page Read Time

Monitors the amount of time it takes to read a data or index page from the physical disk to the buffer pool.

#### Page Write Time

Monitors the amount of time it takes to write a data or index page from the buffer pool to the physical disk.

#### Pages Read Async Requests

Monitors the number of data pages that have been read by asynchronous read requests.

#### Passed Sort Heap Threshold

Sends an alert when the amount of sort heap allocated has passed a specified threshold.

#### Percent Agents Waiting Token

Monitors the percentage of agents waiting for a token to execute a transaction on the database instance.



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**Prefetcher Efficiency Pct**

Monitors the efficiency of the prefetcher by determining the percentage of asynchronous data reads to synchronous data reads.

**Prefetcher Read Time**

Monitors asynchronous read time used by the prefetchers when data is read from disk into the buffer pool.

**Primary Logspace Used**

Monitors the percentage of primary log space currently in use.

**Read Time From Sector**

Monitors the amount of time required to read a sector of data from disk.

**Rejected Piped Sort Request**

Monitors the percentage of piped sort requests that have been rejected.

**Secondary Logspace Used**

Monitors the percentage of secondary log space currently in use.

**Sort Heap Pages**

Monitors the number of sort heap pages allocated for each active sort.

**Sort Time**

Monitors the average amount of time it takes to perform a sort.

**Too Many Apps Connected**

Monitors the number of applications currently connected to a database.

**Total Auto Rebinds**

Monitors the ratio of the total number of automatic rebinds that have been attempted to the total SQL statements attempted against the database.

**Unsuccessful Statements**

Indicates the total number of unsuccessful SQL statements attempted on the database.

**Write Time to Sector**

Monitors the amount of time required to write a sector of data to disk.



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