The onstat utility

The **onstat** utility reads shared-memory structures and provides statistics about the database server at the time that the command runs.

You can combine multiple **onstat** option flags in a single command. The contents of shared memory might change as the **onstat** output displays. The **onstat** utility does not place any locks on shared memory, so running the utility does not affect performance.

You use SQL administration API commands that are equivalent to **onstat** commands.

# onstat Portal: onstat Utility Commands Sorted by Functional Category

The information in this topic lists **onstat** commands that are sorted by functional category.

Each category represents a different IBM® Informix® feature for which **onstat** commands are useful for providing troubleshooting and performance enhancement information.

Commands that appear in **bold** typeface are especially useful for providing troubleshooting information. Certain **onstat** commands are specific to one category, while others provide more general information and are listed in more than one category.

## Category List

Determine the appropriate category from the following list, then follow the link to the **onstat** options for that category.

* [onstat Utility Archive Information Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__archive_options)
* [onstat Utility Cache Information Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__cache_options)
* [onstat Utility Compression Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__compress_options)
* [onstat Utility Debugging Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__debug_options)
* [onstat Utility Enterprise Replication Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__er_options)
* [onstat Utility High-Availability Replication Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__ha_options)
* [onstat Utility Informix Warehouse Accelerator Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__warehouse)
* [onstat Utility I/O Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__io_options)
* [onstat Utility Locks and Latches Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__locks_options)
* [onstat Utility Logs Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__logs_options)
* [onstat Utility Memory Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__memory_options)
* [onstat Utility Network Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__network_options)
* [onstat Utility Performance Checks (First Tier)](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__perf_checks1)
* [onstat Utility Performance Checks (Second Tier)](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__perf_checks2)
* [onstat Utility Table Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__table_options)
* [onstat Utility Thread Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__thread_options)
* [onstat Utility User/Session Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__usersession_options)
* [onstat Utility Virtual Processor Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__vp_options)
* [onstat Utility Waiting Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__wait_options)
* [Other Useful onstat Utility Options](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1063.htm?view=kc#ids_adr_1063__misc_options)

## onstat Utility Archive Information Options

Use the following **onstat** options to display information about archives and restores.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -D** | Prints chunk I/O activity. Prints dbspace read/write activity for monitoring restore progress.  [onstat -D command: Print page-read and page-write information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0507.htm?view=kc#ids_adr_0507) |
| **onstat -g arc** | Prints the last committed and any ongoing backups for each dbspace.  [onstat -g arc command: Print archive status](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1083.htm?view=kc#ids_adr_1083) |
| *Table 1. onstat Utility Archive Information Options* | |

## onstat Utility Cache Information Options

Use the following **onstat** options to display information about caches and cached data, including buffer pools.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -b** | Prints buffer pages in use.  [onstat -b command: Print buffer information for buffers in use](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0500.htm?view=kc#ids_adr_0500) |
| **onstat -B** | Prints information about used buffers.  [onstat -B command: Prints information about used buffers](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0501.htm?view=kc#ids_adr_0501) |
| **onstat -F** | Prints state of buffer queue cleaners and I/O.  [onstat -F command: Print counts](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0509.htm?view=kc#ids_adr_0509) |
| **onstat -g cac** | Prints summary and detailed information about all memory caches or about the specified cache.  [onstat -g cac command: Print information about caches](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1167.htm?view=kc) |
| **onstat -g dic** | Prints data dictionary cache, containing system catalog data for tables. Prints one line of information for each table that is cached in the shared-memory dictionary.  For more information, see your IBM Informix Performance Guide.  [onstat -g dic command: Print table information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0523.htm?view=kc#ids_adr_0523) |
| **onstat -g dsc** | Prints table distribution statistics for the optimizer.  [onstat -g dsc command: Print distribution cache information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0528.htm?view=kc#ids_adr_0528). |
| **onstat -g prc** | Prints the stored procedure (SPL) routine cache. Prints information about SPL routine cache.  [onstat -g prc command: Print sessions using UDR or SPL routines](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0560.htm?view=kc#ids_adr_0560) |
| **onstat -g ssc** | Prints the number of times that the database server reads the SQL statement in the cache. Displays the same output as **onstat -g cac**.  For more information, see improving query performance in the IBM Informix Performance Guide.  [onstat -g ssc command: Print SQL statement occurrences](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0581.htm?view=kc#ids_adr_0581) |
| **onstat -g vpcache** | Prints CPU virtual processor memory cache.  [onstat -g vpcache command: Print CPU virtual processor and tenant virtual processor private memory cache statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0589.htm?view=kc#ids_adr_0589) |
| **onstat -h** | Prints buffer hash chain information.  [onstat -h command: Print buffer header hash chain information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0594.htm?view=kc#ids_adr_0594) |
| **onstat -p** | Prints global (server) information regarding the effectiveness of buffer pool caching.  [onstat -p command: Print profile counts](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0602.htm?view=kc#ids_adr_0602) |
| **onstat -X** | Prints threads that are waiting for buffers.  [onstat -X command: Print thread information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0612.htm?view=kc#ids_adr_0612) |
| *Table 2. onstat Utility Cache Information Options* | |

## onstat Utility Compression Options

Use the following **onstat** options to print compression information.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g dsk** | Prints progress of currently running compression operations.  [onstat -g dsk command: Print the progress of the currently running compression operation](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1065.htm?view=kc#ids_adr_1065) |
| **onstat -g ppd** | Prints partition compression dictionary information.  [onstat -g ppd command: Print partition compression dictionary information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1061.htm?view=kc#ids_adr_1061) |
| *Table 3. onstat Utility Compression Options* | |

## onstat Utility Debugging Options

Use the following **onstat** options to display information that is useful for debugging problems with the server.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g dmp** | Prints raw memory at a specified address for a number of given bytes.  [onstat -g dmp command: Print raw memory](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0526.htm?view=kc#ids_adr_0526) |
| **onstat -g src** | Searches for patterns in shared memory. Note that memory is byte-swapped on Intel platforms.  [onstat -g src command: Patterns in shared memory](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0580.htm?view=kc#ids_adr_0580) |
| **onstat -o** | Prints shared memory contents to a file.  [onstat -o command: Output shared memory contents to a file](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0600.htm?view=kc#ids_adr_0600). |
| *Table 4. onstat Utility Debugging Options* | |

## onstat Utility Enterprise Replication Options

Use the following **onstat** options to track Enterprise Replication statistics and to provide troubleshooting information. For additional information about Enterprise Replication see the **cdr view** and **cdr view profile** commands that are described in the .

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g cat** | Prints information from the Enterprise Replication global catalog. The global catalog contains a summary of information about the defined servers, replicates, and replicate sets on each of the servers within the enterprise.  [onstat -g cat: Print ER global catalog information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_397.htm?view=kc#ids_erp_397) |
| **onstat -g cdr** | Prints the output for all of the Enterprise Replication statistics commands.  [onstat -g cdr: Print ER statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_529.htm?view=kc#ids_erp_529.dita) |
| **onstat -g cdr config** | Prints Enterprise Replication configuration parameters and environment variables.  [onstat -g cdr config: Print ER settings](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_398.htm?view=kc#ids_erp_398) |
| **onstat -g ddr** | Prints status of Enterprise Replication components that read and process log records.  [onstat -g ddr: Print status of ER log reader](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_399.htm?view=kc#ids_erp_399) |
| **onstat -g dss** | Prints activity of individual data sync (transaction processing) threads.  [onstat -g dss: Print statistics for data sync threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_400.htm?view=kc#ids_erp_400) |
| **onstat -g dtc** | Prints delete table cleaner activity. Deleted or updated rows that are placed in the delete table are purged at intervals.  [onstat -g dtc: Print statistics about delete table cleaner](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_401.htm?view=kc#ids_erp_401) |
| **onstat -g grp** | Prints Enterprise Replication grouper statistics. The grouper evaluates the log records, rebuilds the individual log records into the original transaction, packages the transaction, and queues the transaction for transmission.  [onstat -g grp: Print grouper statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_402.htm?view=kc#ids_erp_402) |
| **onstat -g nif** | Prints network interface statistics. Shows the state of the network interface, servers, and data transfer among servers.  [onstat -g nif: Print statistics about the network interface](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_403.htm?view=kc#ids_erp_403) |
| **onstat -g que** | Prints statistics for the high-level queue interface (which is common to all of the queues of the Enterprise Replication Queue Manager).  [onstat -g que: Print statistics for all ER queues](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_404.htm?view=kc#ids_erp_404) |
| **onstat -g rcv** | Prints receive manager statistics.  [onstat -g rcv: Print statistics about the receive manager](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_405.htm?view=kc#ids_erp_405) |
| **onstat -g rep** | Prints events that are in the queue for the schedule manager.  [onstat -g rep: Prints the schedule manager queue](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_406.htm?view=kc#ids_erp_406) |
| **onstat -g rqm** | Prints statistics and contents of the low-level queues (send queue, receive queue, ack send queue, sync send queue, and control send queue) managed by the Reliable Queue Manager (RQM).  [onstat -g rqm: Prints statistics for RQM queues](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_407.htm?view=kc#ids_erp_407) |
| **onstat -g sync** | Prints synchronization status.  [onstat -g sync: Print statistics about synchronization](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.erep.doc/ids_erp_408.htm?view=kc#ids_erp_408) |
| *Table 5. onstat Utility Enterprise Replication Options* | |

## onstat Utility High-Availability Replication Options

Use the following **onstat** options to monitor high-availability cluster environments and the Connection Manager.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g cluster** | Prints high-availability cluster information.  [onstat -g cluster command: Print high-availability cluster information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1087.htm?view=kc#ids_adr_1087) |
| **onstat -g cmsm** | Prints Connection Manager information.  [onstat -g cmsm command: Print Connection Manager information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1130.htm?view=kc#ids_adr_1130) |
| **onstat -g dri** | Prints data-replication information.  See Monitoring High-Availability Data-Replication status in the IBM Informix Administrator's Guide.  [onstat -g dri command: Print high-availability data replication information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0527.htm?view=kc#ids_adr_0527). |
| **onstat -g ipl** | Prints index page logging status.  [onstat -g ipl command: Print index page logging status information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0541.htm?view=kc#ids_adr_0541) |
| **onstat -g laq** | Prints information about queues on the secondary server.  [onstat -g laq command: Print secondary server queues](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1129.htm?view=kc#ids_adr_1129) |
| **onstat -g proxy** | Prints proxy distributors for high-availability.  [onstat -g proxy command: Print proxy distributor information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0561.htm?view=kc#ids_adr_0561) |
| **onstat -g rss** | Prints remote stand-alone server (RSS) information.  [onstat -g rss command: Print RS secondary server information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0569.htm?view=kc#ids_adr_0569) |
| **onstat -g sds** | Prints shared disk secondary (SDS) server information.  [onstat -g sds command: Print SD secondary server information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0572.htm?view=kc#ids_adr_0572) |
| **onstat -g smx** | Prints Server Multiplexer Group (SMX) connections in high-availability environments. Prints data transfer statistics and encryption status.  [onstat -g smx command: Print multiplexer group information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0577.htm?view=kc#ids_adr_0577) |
| *Table 6. onstat Utility High-Availability Replication Options* | |

## onstat Utility Informix Warehouse Accelerator Options

Use the following **onstat** options to display information that is exchanged between the database server and the Informix Warehouse Accelerator.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g aqt** | Prints information about the data marts and the associated accelerated query tables (AQTs).  [onstat -g aqt command: Print data mart and accelerated query table information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1146.htm?view=kc#ids_adr_1146). |
| *Table 7. onstat Utility Informix Warehouse Accelerator options* | |

## onstat Utility I/O Options

Use the following **onstat** options to track input and output (read and write) activity.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -D** | Prints chunk I/O activity.  [onstat -D command: Print page-read and page-write information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0507.htm?view=kc#ids_adr_0507) |
| **onstat -g cpu** | Prints runtime statistics for each thread.  [onstat -g cpu: Print runtime statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1058.htm?view=kc#ids_adr_1058) |
| **onstat -g ioa** | Prints combined information from **onstat -g ioq** (queues), **onstat -g iov** (virtual processors), and **onstat -g iob** (big buffer).  [onstat -g ioa command: Print combined onstat -g information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0536.htm?view=kc#ids_adr_0536) |
| **onstat -g iob** | Prints the big buffer usage summary.  [onstat -g iob command: Print big buffer use summary](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0537.htm?view=kc#ids_adr_0537) |
| **onstat -g iof** | Prints I/O statistics by file or chunk. This option is similar to the **onstat -D** option, but also displays information about non-chunk, temporary, and sort-work files.  [onstat -g iof command: Print asynchronous I/O statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0538.htm?view=kc#ids_adr_0538) |
| **onstat -g iog** | Prints AIO global information.  [onstat -g iog command: Print AIO global information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0539.htm?view=kc#ids_adr_0539) |
| **onstat -g ioq** | Prints queue read/write statistics and queue length.  [onstat -g ioq command: Print I/O queue information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0540.htm?view=kc#ids_adr_0540). Also see the IBM Informix Performance Guide. |
| **onstat -g iov** | Prints asynchronous I/O statistics by virtual processor.  [onstat -g iov command: Print AIO VP statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0542.htm?view=kc#ids_adr_0542) |
| **onstat -p** | Prints global disk activity, including sequential scans.  [onstat -p command: Print profile counts](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0602.htm?view=kc#ids_adr_0602) |
| *Table 8. onstat Utility I/O Options* | |

## onstat Utility Locks and Latches Options

Use the following **onstat** options to display information about locks.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -k** | Prints information about active locks.  [onstat -k command: Print active lock information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0597.htm?view=kc#ids_adr_0597) |
| **onstat -L** | Prints the number of locks on a lock free list.  [onstat -L command: Print the number of free locks](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1117.htm?view=kc#ids_adr_1117) |
| **onstat -p** | Prints global statistics on lock requests, lock waits, and latch waits.  [onstat -p command: Print profile counts](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0602.htm?view=kc#ids_adr_0602) |
| **onstat -s** | Prints latch (mutex) information.  [onstat -s command: Print latch information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0606.htm?view=kc#ids_adr_0606) |
| *Table 9. onstat Utility Locks and Latches Options* | |

## onstat Utility Logs Options

Use the following **onstat** options to monitor logical and physical logs.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g ipl** | Prints index page logging information in high-availability environments.  [onstat -g ipl command: Print index page logging status information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0541.htm?view=kc#ids_adr_0541) |
| **onstat -l** | Prints status of physical and logical logs, and log buffering.  [onstat -l command: Print physical and logical log information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0598.htm?view=kc#ids_adr_0598) |
| *Table 10. onstat Utility Logs Options* | |

## onstat Utility Memory Options

Use the following **onstat** options to monitor the various aspects of server memory allocation and use.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g afr** | Prints allocated memory fragments for a specified session or shared-memory pool. To obtain the pool name, see the **onstat -g mem** option.  [onstat -g afr command: Print allocated memory fragments](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0512.htm?view=kc#ids_adr_0512) |
| **onstat -g ffr** (pool name session ID) | Prints free fragments for a session or shared memory pool.  [onstat -g ffr command: Print free fragments](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0532.htm?view=kc#ids_adr_0532) |
| **onstat -g lmm** | Prints information about automatic low memory management settings and recent activity: [onstat -g lmm command: Print low memory management information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1135.htm?view=kc) |
| **onstat -g mem** | Prints session or pool virtual shared memory statistics.  [onstat -g mem command: Print pool memory statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0546.htm?view=kc#ids_adr_0546) |
| **onstat -g mgm** | Prints Memory Grant Manager (parallel and sort operations) resource information.  [onstat -g mgm command: Print MGM resource information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0547.htm?view=kc#ids_adr_0547). Also see the IBM Informix Performance Guide. |
| **onstat -g nbm** | Prints block map for non-resident segments.  [onstat -g nbm command: Print a block bit map](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0548.htm?view=kc#ids_adr_0548) |
| **onstat -g rbm** | Prints block map for resident segment.  [onstat -g rbm command: Print a block map of shared memory](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0564.htm?view=kc#ids_adr_0564) |
| **onstat -g seg** | Prints memory segment statistics.  [onstat -g seg command: Print shared memory segment statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0573.htm?view=kc#ids_adr_0573). Also see the IBM Informix Administrator's Guide. |
| **onstat -g ses** | Prints session information, including memory breakdown. For detailed information, use: **onstat -g ses**session\_id  [onstat -g ses command: Print session-related information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0574.htm?view=kc#ids_adr_0574) Also see the IBM Informix Performance Guide |
| **onstat -g stm** | Prints SQL statement memory use.  [onstat -g stm command: Print SQL statement memory usage](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0583.htm?view=kc#ids_adr_0583) |
| **onstat -g stq** | Prints stream queue buffers.  [onstat -g stq command: Print queue information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0584.htm?view=kc#ids_adr_0584) |
| **onstat -g ufr** | Prints memory pool fragments for a session or shared memory pool in use.  [onstat -g ufr command: Print memory pool fragments](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0588.htm?view=kc#ids_adr_0588) |
| **onstat -R** | Prints buffer pool queues and their status.  [onstat -R command: Print LRU, FLRU, and MLRU queue information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0605.htm?view=kc#ids_adr_0605) |
| *Table 11. onstat Utility Memory Options* | |

## onstat Utility Network Options

Use the following **onstat** options to monitor shared memory and network connection services.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g imc** | Prints information about Informix MaxConnect instances that are connected to the database server. If Informix MaxConnect is not connected to the database server, this command displays No MaxConnect servers are connected. |
| **onstat -g nsc** | Prints shared-memory status by client id. If client id is omitted, all client status areas are displayed. This command prints the same status data as the **nss** command.  [onstat -g nsc command: Print current shared memory connection information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0550.htm?view=kc#ids_adr_0550) |
| **onstat -g nsd** | Prints network shared-memory data for poll threads.  [onstat -g nsd command: Print poll threads shared-memory data](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0551.htm?view=kc#ids_adr_0551) |
| **onstat -g nss** | Prints network shared-memory status by session id. If session id is omitted, all session status areas are displayed. This command prints the same status data as the **onstat -g nsc** command.  [onstat -g nss command: Print shared memory network connections status](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0552.htm?view=kc#ids_adr_0552) |
| **onstat -g nta** | Prints combined network statistics from **onstat -g ntd**, **onstat -g ntm**, **onstat -g ntt**, and **onstat -g ntu**. If Informix MaxConnect is installed, this command prints statistics that you can use to tune Informix MaxConnect performance. |
| **onstat -g ntd** | Prints network statistics by service.  [onstat -g ntd command: Print network statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0553.htm?view=kc#ids_adr_0553) |
| **onstat -g ntm** | Prints network mail statistics.  [onstat -g ntm command: Print network mail statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0554.htm?view=kc#ids_adr_0554) |
| **onstat -g ntt** | Prints network user times.  [onstat -g ntt command: Print network user times](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0555.htm?view=kc#ids_adr_0555) |
| **onstat -g ntu** | Prints network user statistics.  [onstat -g ntu command: Print network user statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0556.htm?view=kc#ids_adr_0556) |
| *Table 12. onstat Utility Network Options* | |

## onstat Utility Performance Checks (First Tier)

Use the following **onstat** options to monitor performance and to check for performance impediments. Use the second-tier **onstat** options (and other **onstat** commands) to further narrow the problem.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -c** | Prints server configuration.  [onstat -c command: Print ONCONFIG file contents](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0502.htm?view=kc#ids_adr_0502) |
| **onstat -D** | Prints chunk I/O.  [onstat -D command: Print page-read and page-write information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0507.htm?view=kc#ids_adr_0507) |
| **onstat -g ath** | Prints status and statistics for all threads. The **sqlexec** thread is a client session thread. The **rstcb** value corresponds to the user field of the **onstat -u** command.  [onstat -g ath command: Print information about all threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0514.htm?view=kc#ids_adr_0514). For information about using **onstat -g ath** to print Enterprise Replication threads, see the . |
| **onstat -g ckp** | Prints checkpoint history and display configuration recommendations.  [onstat -g ckp command: Print checkpoint history and configuration recommendations](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0518.htm?view=kc#ids_adr_0518) |
| **onstat -g cpu** | Prints runtime statistics for each thread.  [onstat -g cpu: Print runtime statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1058.htm?view=kc#ids_adr_1058) |
| **onstat -g ioq** | Prints pending I/O operations for the queue name.  [onstat -g ioq command: Print I/O queue information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0540.htm?view=kc#ids_adr_0540) |
| **onstat -p** | Prints global server performance profile.  [onstat -p command: Print profile counts](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0602.htm?view=kc#ids_adr_0602) |
| **onstat -u** | Prints status and statistics for user threads. If a thread is waiting for a resource, this command identifies the type (flags field) and address (wait field) of the resource.  [onstat -u command: Print user activity profile](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0608.htm?view=kc#ids_adr_0608) |
| *Table 13. onstat Utility Performance Checks (First Tier)* | |

## onstat Utility Performance Checks (Second Tier)

Use the following **onstat** options to identify performance impediments.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -b** | Prints active buffers.  [onstat -b command: Print buffer information for buffers in use](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0500.htm?view=kc#ids_adr_0500) |
| **onstat -g act** | Prints active threads.  [onstat -g act command: Print active threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0511.htm?view=kc#ids_adr_0511) |
| **onstat -g glo** | Prints virtual processors and their operating system processes (**oninit** processes). Prints virtual processor CPU use. On Windows, the virtual processors are operating system threads, and the values in the **pid** field are thread IDs.  [onstat -g glo command: Print global multithreading information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0533.htm?view=kc#ids_adr_0533) |
| **onstat -g mgm** | Prints Memory Grant Manager resource information.  [onstat -g mgm command: Print MGM resource information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0547.htm?view=kc#ids_adr_0547) |
| **onstat -g rah** | Prints read-ahead request information  [onstat -g rah command: Print read-ahead request statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1126.htm?view=kc#ids_adr_1126) |
| **onstat -g rea** | Prints threads in the ready queue that are waiting for CPU resources.  [onstat -g rea command: Print ready threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0566.htm?view=kc#ids_adr_0566) |
| **onstat -g seg** | Prints shared-memory-segment statistics. This option shows the number and size of shared-memory segments that are allocated to the database server.  [onstat -g seg command: Print shared memory segment statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0573.htm?view=kc#ids_adr_0573). |
| **onstat -g wai** | Prints waiting threads; all threads that are waiting for mutex or condition, or yielding.  [onstat -g wai command: Print wait queue thread list](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0590.htm?view=kc#ids_adr_0590) |
| **onstat -k** | Prints active locks.  [onstat -k command: Print active lock information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0597.htm?view=kc#ids_adr_0597) |
| *Table 14. onstat Utility Performance Checks (Second Tier)* | |

## onstat Utility Table Options

Use the following **onstat** options to display information about table status and table statistics.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g buf** | Prints buffer pool profile information.  [onstat -g buf command: Print buffer pool profile information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0515.htm?view=kc#ids_adr_0515) |
| **onstat -g lap** | Prints information about the status of currently active light appends (writes bypassing the buffer pool).  [onstat -g lap command: Print light appends status information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0543.htm?view=kc#ids_adr_0543) |
| **onstat -g opn** | Prints open partitions (tables).  [onstat -g opn command: Print open partitions](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0557.htm?view=kc#ids_adr_0557) |
| **onstat -g ppf** | Prints partition profile (activity data) for the specified partition number or prints profiles for all partitions.  [onstat -g ppf command: Print partition profiles](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0559.htm?view=kc#ids_adr_0559) |
| **onstat -g scn** | Prints information about the progress of a scan, based on rows scanned on compressed tables, tables with rows that are larger than a page, and tables with VARCHAR, LVARCHAR, and NVARCHAR data, and identifies whether a scan is a light or bufferpool scan.  [onstat -g scn command: Print scan information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1037.htm?view=kc) |
| **onstat -P** | Prints table and B-tree pages in the buffer pool, listed by partition (table).  [onstat -P command: Print partition information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0603.htm?view=kc#ids_adr_0603) |
| **onstat -t**  **onstat -T** | Prints basic tblspace (partition) information for active (t) or all (T) tblspaces.  [onstat -t and onstat -T commands: Print tblspace information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0607.htm?view=kc#ids_adr_0607) |
| *Table 15. onstat Utility Table Options* | |

## onstat Utility Thread Options

Use the following **onstat** options to display the status and activity of threads.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g act** | Prints active threads. This output is included in **onstat -g ath** output.  [onstat -g act command: Print active threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0511.htm?view=kc#ids_adr_0511) |
| **onstat -g ath** | Prints all threads.  [onstat -g ath command: Print information about all threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0514.htm?view=kc#ids_adr_0514). For information about using **onstat -g ath** to print Enterprise Replication threads, see the . |
| **onstat -g bth** | Displays the dependencies between blocking and waiting threads.  [onstat -g bth and -g BTH: Print blocked and waiting threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1179.htm?view=kc) |
| **onstat -g BTH** | Displays session and stack information for the blocking threads.  [onstat -g bth and -g BTH: Print blocked and waiting threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1179.htm?view=kc) |
| **onstat -g cpu** | Prints runtime statistics for each thread.  [onstat -g cpu: Print runtime statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1058.htm?view=kc#ids_adr_1058) |
| **onstat -g rea** | Prints ready threads (threads that are waiting for CPU resources). This output is included in the **onstat -g ath** output.  [onstat -g rea command: Print ready threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0566.htm?view=kc#ids_adr_0566). |
| **onstat -g sle** | Prints information about threads that are sleeping for a specified time. Does not include threads that are sleeping forever.  [onstat -g sle command: Print all sleeping threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0575.htm?view=kc#ids_adr_0575) |
| **onstat -g stk** | Prints the stack of a specified thread or prints stacks for all threads.  [onstat -g stk command: Print thread stack](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0582.htm?view=kc#ids_adr_0582) |
| **onstat -g sts** | Prints maximum and current stack use per thread.  [onstat -g sts command: Print stack usage for each thread](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0585.htm?view=kc#ids_adr_0585) |
| **onstat -g tpf** | Prints thread activity statistics.  [onstat -g tpf command: Print thread profiles](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0587.htm?view=kc#ids_adr_0587) |
| **onstat -g wai** | Prints waiting (idle, sleeping, and waiting) threads. Included in **onstat -g ath** output.  [onstat -g wai command: Print wait queue thread list](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0590.htm?view=kc#ids_adr_0590) |
| **onstat -g wst** | Prints wait statistics for threads.  [onstat -g wst command: Print wait statistics for threads](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0592.htm?view=kc#ids_adr_0592) |
| *Table 16. onstat Utility Thread Options* | |

## onstat Utility User/Session Options

Use the following **onstat** options to display information about the user environment and active sessions.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g env** | Prints the values of environment variables the database server is using.  [onstat -g env command: Print environment variable values](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0531.htm?view=kc#ids_adr_0531) |
| **onstat -g his** | Prints SQL tracing information.  [onstat -g his command: Print SQL trace information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0535.htm?view=kc#ids_adr_0535) |
| **onstat -g pqs** | Prints operators that are used in currently running SQL queries.  [onstat -g pqs command: Print operators for all SQL queries](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1077.htm?view=kc#ids_adr_1077) |
| **onstat -g ses** | Prints summary information for all active sessions or detailed information for individual sessions.  [onstat -g ses command: Print session-related information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0574.htm?view=kc#ids_adr_0574) |
| **onstat -g spf** | Prints prepared statement profiles for all active sessions.  [onstat -g spf: Print prepared statement profiles](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0176.htm?view=kc) |
| **onstat -g sql** | Prints SQL information for all active sessions or detailed SQL information for individual sessions.  [onstat -g sql command: Print SQL-related session information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0579.htm?view=kc#ids_adr_0579) |
| **onstat -G** | Prints global transactions.  [onstat -G command: Print TP/XA transaction information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0593.htm?view=kc#ids_adr_0593) |
| **onstat -u** | Prints status of user threads and their global read/write statistics.  [onstat -u command: Print user activity profile](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0608.htm?view=kc#ids_adr_0608) |
| **onstat -x** | Prints information about transactions.  [onstat -x command: Print database server transaction information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0609.htm?view=kc#ids_adr_0609) |
| *Table 17. onstat Utility User/Session Options* | |

## onstat Utility Virtual Processor Options

Use the following **onstat** options to display information and statistics for virtual processors.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g glo** | Prints global multithreading information and global statistics for virtual processor classes and individual virtual processors. On Windows, the virtual processors are operating system threads, and the values in the **pid** field are thread IDs.  [onstat -g glo command: Print global multithreading information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0533.htm?view=kc#ids_adr_0533) |
| **onstat -g sch** | Prints the number of semaphore operations, spins, and busy waits for each virtual processor. On Windows, the virtual processors are operating system threads, and the values in the **pid** field are thread IDs.  [onstat -g sch command: Print VP information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0571.htm?view=kc#ids_adr_0571) |
| *Table 18. onstat Utility Virtual Processor Options* | |

## onstat Utility Waiting Options

Use the following **onstat** options to display information about wait conditions for threads.

| **Commands** | **Reference** |
| --- | --- |
| **onstat -g con** | Prints IDs of threads that are waiting for conditions.  **onstat -g ath** to print thread information. See [onstat -g con command: Print condition and thread information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0520.htm?view=kc#ids_adr_0520) |
| **onstat -g lmx** | Prints all locked mutexes.  [onstat -g lmx command: Print all locked mutexes](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0544.htm?view=kc#ids_adr_0544) |
| **onstat -g qst** | Prints queue-wait statistics for mutex and condition queues.  [onstat -g qst command: Print wait options for mutex and condition queues](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0563.htm?view=kc#ids_adr_0563) |
| **onstat -g rwm** | Prints read/write mutexes.  [onstat -g rwm command: Print read and write mutexes](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0570.htm?view=kc#ids_adr_0570) |
| **onstat -g spi** | Prints spin locks with long spins and spin lock statistics.  [onstat -g spi command: Print spin locks with long spins](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0578.htm?view=kc#ids_adr_0578) |
| **onstat -g wai** | Prints waiting threads; all threads that are waiting for mutex or condition, or yielding.  [onstat -g wai command: Print wait queue thread list](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0590.htm?view=kc#ids_adr_0590) |
| **onstat -g wmx** | Prints all mutexes with waiters.  [onstat -g wmx command: Print all mutexes with waiters](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0591.htm?view=kc#ids_adr_0591) |
| *Table 19. onstat Utility Waiting Options* | |

## Other Useful onstat Utility Options

| **Commands** | **Reference** |
| --- | --- |
| **onstat -** | Prints **onstat** header; includes engine version, status (online, Quiescent, and so on), elapsed time since initialization, and memory footprint.  [onstat - command: Print output header](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0495.htm?view=kc#ids_adr_0495) |
| **onstat –** | Prints **onstat** usage options.  [onstat -- command: Print onstat options and functions](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0497.htm?view=kc#ids_adr_0497) |
| **onstat** options infile | Print **onstat** output using a shared memory dump (infile) as input.  [Running onstat Commands on a Shared Memory Dump File](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0498.htm?view=kc#ids_adr_0498) |
| **onstat -a** | Prints collective **onstat** outputs.  [onstat -a command: Print overall status of the database server](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0499.htm?view=kc#ids_adr_0499) |
| **onstat -c** | Prints the server configuration file.  [onstat -c command: Print ONCONFIG file contents](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0502.htm?view=kc#ids_adr_0502) |
| **onstat -C** | Prints B-tree index scanner information (shows statistics about index cleaning).  [onstat -C command: Print B-tree scanner information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0503.htm?view=kc#ids_adr_0503) |
| **onstat -d** | Prints chunk information.  [onstat -d command: Print chunk information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0504.htm?view=kc#ids_adr_0504) |
| **onstat -f** | Prints dbspaces configured for dataskip.  [onstat -f command: Print dbspace information affected by dataskip](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0508.htm?view=kc#ids_adr_0508) |
| **onstat -g all** | Prints diagnostic information.  [onstat -g all command: Print diagnostic information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0513.htm?view=kc#ids_adr_0513) |
| **onstat -g cfg** | Prints a list of configuration parameters with their current values.  [onstat -g cfg command: Print the current values of configuration parameters](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1154.htm?view=kc#ids_adr_1154) |
| **onstat -g dbc** | Prints statistics about dbScheduler and dbWorker threads.  [onstat -g dbc command: Print dbScheduler and dbWorker thread statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0521.htm?view=kc#ids_adr_0521) |
| **onstat -g dis** | Prints a list of database servers, their status, directory location, configuration information, and host name.  [onstat -g dis command: Print database server information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0524.htm?view=kc#ids_adr_0524) |
| **onstat -g dll** | Prints a list of dynamic libraries that are loaded.  [onstat -g dll command: Print dynamic link library file list](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0525.htm?view=kc#ids_adr_0525) |
| **onstat -g osi** | Prints information about operating system resources and parameters.  [onstat -g osi: Print operating system information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1085.htm?view=kc) |
| **onstat -g pos** | Prints values from $INFORMIXDIR/etc/.infos.servernum file, which are used by clients such as **onmode** for shared memory connections to the server. **onmode -R** rebuilds the $INFORMIXDIR/etc/.infos.servernum file.  [onstat -g pos command: Print file values](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0558.htm?view=kc#ids_adr_0558) |
| **onstat -g smb** | Prints detailed information about sbspaces.  [onstat -g smb command: Print sbspaces information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0576.htm?view=kc#ids_adr_0576) |
| **onstat -g sym** | Prints symbol table information for the **oninit** utility.  [onstat -g sym command: Print symbol table information for the oninit utility](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_1078.htm?view=kc#ids_adr_1078) |
| **onstat -i** | Changes **onstat** mode to interactive.  [onstat -i command: Initiate interactive mode](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0595.htm?view=kc#ids_adr_0595) |
| **onstat -j** | Prints information about the status of an **onpload** job.  [onstat -j command: Provide onpload status information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0596.htm?view=kc#ids_adr_0596) |
| **onstat -m** | Prints message log contents.  [onstat -m command: Print recent system message log information](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0599.htm?view=kc#ids_adr_0599) |
| **onstat -r** | Prints repetitive **onstat** execution.  [onstat -r command: Repeatedly print selected statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0604.htm?view=kc#ids_adr_0604) |
| **onstat -z** | Resets the accumulated statistics to zero.  [onstat -z command: Clear statistics](https://www.ibm.com/support/knowledgecenter/SSGU8G_14.1.0/com.ibm.adref.doc/ids_adr_0613.htm?view=kc#ids_adr_0613) |
| *Table 20. Other Useful onstat Utility Options* | |