

Broker Shutdown Statistics

This chapter covers the following topics:

- Shutdown Statistics Output
- Table of Shutdown Statistics

Shutdown Statistics Output

After a successful Broker execution, shutdown statistics and related information are produced. This output is written in the following sequence:

1. The diagnostic message ETBD0444 is written into the Broker trace log.
2. The output - i.e. statistics, internals and user-specified parameters - is written into the end of the Broker trace log file at shutdown.

Table of Shutdown Statistics

See *Legend* below for explanation of output type.

Output Type	Display Field	Description
U	Broker ID	Identifies the Broker kernel to which the attribute file applies. See <code>BROKER-ID</code> .
I	Version	The version of the Broker kernel currently running.
I	Generated platform family	The platform family for which this Broker kernel was built.
I	Runtime platform	The platform on which this Broker kernel is currently running.
I	Start time	The date and time when this Broker kernel started.
S	Restart count	The restart count indicates how many times the Broker kernel has been started with the persistent store. Therefore, after a cold start (<code>PSTORE=COLD</code>), the restart count will be 1. Then, after subsequent hot starts (<code>PSTORE=HOT</code>), the restart count will be 2 or greater.
U	Trace level	The value for the trace setting for this Broker kernel. See <code>TRACE-LEVEL</code> .
U	Worker tasks	The number of worker tasks for this Broker kernel. See <code>NUM-WORKER</code> .
U	<code>MAX-MEMORY</code>	The value of <code>MAX-MEMORY</code> or 0 if not defined. See <code>MAX-MEMORY</code> .
S	Memory allocated	Size of the allocated memory, in bytes.

Output Type	Display Field	Description
S	Memory allocated HWM	Highest size of allocated memory in bytes since Broker started.
U	NUM-SERVICE	Value of NUM-SERVICE or 0 if not defined. See NUM-SERVICE.
S	Services active	The number of services currently active for this Broker kernel.
U	NUM-CLIENT	Value of NUM-CLIENT or 0 if not defined. See NUM-CLIENT.
S	Clients active	The number of clients currently active for this Broker kernel.
S	Clients active HWM	The high watermark for the number of clients active for this Broker kernel.
U	NUM-SERVER	Value of NUM-SERVER or 0 if not defined. See NUM-SERVER.
S	Servers active	The number of servers currently active for this Broker kernel.
S	Servers active HWM	The high watermark for the number of servers active for this Broker kernel.
U	NUM-CONVERSATION	Value of NUM-CONVERSATION or 0 if not defined. See NUM-CONVERSATION.
S	Conversations active	The number of conversations currently active for this Broker kernel.
S	Conversations active HWM	The high watermark for the number of conversations active for this Broker kernel.
U	NUM-LONG-BUFFER	Value of NUM-LONG-BUFFER or 0 if not defined. See NUM-LONG-BUFFER.
S	Long buffers active	The number of long message buffers currently in use for this Broker kernel.
S	Long buffers active HWM	The high watermark for the number of long message buffers used for this Broker kernel.
U	NUM-SHORT-BUFFER	Value of NUM-SHORT-BUFFER or 0 if not defined. See NUM-SHORT-BUFFER.
S	Short buffers active	The number of short message buffers currently in use for this Broker kernel.
S	Short buffers active HWM	The high watermark for the number of short message buffers used for this Broker kernel.
U	NUM-TOPIC	Value of NUM-TOPIC or 0 if not defined. See NUM-TOPIC.
S	Topics active	The number of topics currently active for this Broker kernel.
U	NUM-PUBLISHER	Value of NUM-PUBLISHER or 0 if not defined.
S	Publishers active	The number of publishers currently active for this Broker kernel.

Output Type	Display Field	Description
S	Publishers active HWM	The high watermark for the number of publishers active for this Broker kernel.
U	NUM-SUBSCRIBER	Value of NUM-SUBSCRIBER or 0 if not defined. See NUM-SUBSCRIBER.
S	Subscribers active	The number of subscribers currently active for this Broker kernel.
S	Subscribers active HWM	The high watermark for the number of subscribers active for this Broker kernel.
U	NUM-PUBLICATION	Value of NUM-PUBLICATION or 0 if not defined. See NUM-PUBLICATION.
S	Publications active	The number of publications currently active for this Broker kernel.
S	Publications active HWM	The high watermark for the number of publications active for this Broker kernel.
U	Persistent store type	The type of persistent store used by this Broker kernel. See PSTORE-TYPE.
U	UOW persistence	Indicates whether units of work are persistent or not in this Broker kernel. See STORE.
U	Persistent store startup	Indicates the status of the persistent store at Broker startup. See PSTORE.
U	Persistent status lifetime	The multiplier to compute the lifetime of the persistent status. See UWSTATP.
U	Deferred UOWs allowed	Indicates whether or not deferred units of work are allowed. See DEFERRED.
U	Maximum allowed UOWs	The maximum number of units of work that can be active concurrently for this Broker kernel. See MAX-UOWS.
U	Maximum messages per UOW	The maximum number of messages allowed in a unit of work. See MAX-MESSAGES-IN-UOW.
U	UOW lifetime in seconds	Indicates the default lifetime for a unit of work. See UWTIME.
U	Maximum message length	Indicates the maximum message size that can be sent. See MAX-UOW-MESSAGE-LENGTH.
U	New UOW messages allowed	Indicates whether or not new units of work are allowed in this Broker kernel. See NEW-UOW-MESSAGES.
S	UOWs active	The number of units of work currently active in this Broker kernel.
S	Current UOW	The number of the last unit of work in this Broker kernel.
U	Accounting	Indicates the status of accounting records in this Broker kernel. See ACCOUNTING.

Output Type	Display Field	Description
U	TCP port *	If applicable, the TCP port number on which this Broker kernel will listen for connection requests. See TCPSPORT.
I	Number of function calls	Marks the beginning of the section of summary statistics for all the function calls.
S	DEREGISTER	The number of Broker DEREGISTER function calls since startup.
S	EOC	The number of Broker EOC function calls since startup.
S	KERNELVERS	The number of Broker KERNELVERS function calls since startup.
S	LOGOFF	The number of Broker LOGOFF function calls since startup.
S	LOGON	The number of Broker LOGON function calls since startup.
S	RECEIVE	The number of Broker RECEIVE function calls since startup.
S	REGISTER	The number of Broker REGISTER function calls since startup.
S	SEND	The number of Broker SEND function calls since startup.
S	SYNCPOINT	The number of Broker SYNCPOINT function calls since startup.
S	UNDO	The number of Broker UNDO function calls since startup.
S	CONTROL_PUBLICATION	The number of Broker CONTROL_PUBLICATION function calls since startup.
S	RECEIVE_PUBLICATION	The number of Broker RECEIVE_PUBLICATION function calls since startup.
S	SEND_PUBLICATION	The number of Broker SEND_PUBLICATION function calls since startup.
S	SUBSCRIBE	The number of Broker SUBSCRIBE function calls since startup.
S	UNSUBSCRIBE	The number of Broker UNSUBSCRIBE function calls since startup.
S	REPLY_ERROR	The number of Broker REPLY_ERROR function calls since startup.
I	Worker task statistics	Marks the beginning of the section of summary statistics for all the worker tasks.
I	Worker number	The identifier of the worker task.
I	Status	The status of the worker task at shutdown.
S	# of calls	The number of Broker calls handled by the worker task since startup.
S	Idle time in seconds	The number of seconds the worker task has been idle since startup.

* Does not apply to z/OS.

Legend

Output Type	Description	Value	Origin of Value
I	Internal Information	Static	Determined by Software AG EntireX.
S	Shutdown Statistic	Variable	Determined by Broker activity during execution.
U	User-Specified Parameter	Variable	Specified by Broker administrator before or, if allowable, during execution.