

WebLogic Performance Metrics

In addition to the WebLogic metrics that Uptime Infrastructure Monitor collects, detailed system level performance metrics are also available. This enables you to analyze system compute performance, memory usage, disk and network performance, and then relate underlying system behavior to specific metrics within WebLogic. The metrics are derived from any of several WebLogic MBeans (Managed Beans, which are Java objects that expose a set of attributes).

Per Connection Pool

The following metrics are collected per connection pool on a WebLogic server:

Metric	Explanation	MBean Name
FailuresToReconnectCount	The number of times that the connection pool failed to reconnect to a data store.	JDBCConnectionPoolRuntime
ActiveConnectionsCurrentCount	The current number of active connections in a JDBC connection pool.	JDBCConnectionPoolRuntime
ActiveConnectionsHighCount	The highest number of active connections in a JDBC connection pool.	JDBCConnectionPoolRuntime
LeakedConnectionsCount	The total number of connections that have been checked out of, but not returned to, the connection pool.	JDBCConnectionPoolRuntime
CurrCapacity	The current number of database connections in the JDBC connection pool.	JDBCConnectionPoolRuntime
NumAvailable	The number of available sessions in the session pool that are not currently being used.	JDBCConnectionPoolRuntime
WaitingForConnectionCurrentCount	The current number of requests that are waiting for a connection to the connection pool.	JDBCConnectionPoolRuntime

Per EJB

The following metrics are collected per Enterprise JavaBean (EJB) on a WebLogic server:

AccessTotalCount	The total number of times an attempt was made to get an Enterprise JavaBeans (EJB) instance from the free pool.	StatelessEJBRuntime
BeansInCurrentUseCount	The number of EJB instances in the free pool which are currently in use.	StatelessEJBRuntime
CachedBeansCurrentCount	The total number of EJBs that are in the execution cache.	StatefulEJBRuntime
ActivationCount	The number of EJBs that have been activated.	StatefulEJBRuntime
PassivatedCount	The number of EJBs that have been passivated.	EJBCacheRuntimeMBean
cacheAccessCount	The number of attempts that were made to access an EJB in the cache.	EJBCacheRuntimeMBean
cacheMissCount	The number of times that an attempt to access an EJB in the cache failed.	EJBCacheRuntimeMBean

Other

The following metrics are collected from the WebLogic system, the Java Virtual Machine, or the thread pool:

HeapSizeCurrent	The amount of memory, in bytes, that is in the WebLogic server's Java Virtual Machine (JVM) heap.	JVMRuntime
HeapFreeCurrent	The current amount of free memory, in bytes, that is in the WebLogic server's JVM heap.	JVMRuntime
OpenSocketsCurrentCount	The current number sockets on the server that are open and receiving requests.	ServerRuntime
AcceptBacklog	The number of requests that are waiting for a TCP connection.	Server
ExecuteThreadCurrentIdleCount	The number of threads in the server's execution queue that are idle or which are not being used to process data.	ExecuteQueueRuntime
PendingRequestCurrentCount	The number of pending requests that are in the server's execution queue.	ExecuteQueueRuntime

TransactionCommittedTotal Count	The total number of transactions that have been processed by the WebLogic server.	TransactionResourceRu n time
TransactionRolledBackTotal Count	The total number of transactions that have been rolled back.	TransactionResourceRu n time
InvocationTotalCount	The total number of times that a servlet running on the WebLogic server was invoked.	ServletRuntime