

TABLE 8–28 ORB Monitoring Statistics (Connection Manager) (Continued)

Statistic	Data Type	Description
connectionsinuse	CountStatistic	Total number of connections in use to the ORB
totalconnections	BoundedRangeStatistic	Total number of connections to the ORB

Resource Statistics (Connection Pool)

By monitoring connection pool resources you can measure performance and capture resource usage at runtime. Connections are expensive and frequently cause performance bottlenecks in applications. It is important to monitor how a connection pool is releasing and creating new connections and how many threads are waiting to retrieve a connection from a particular pool.

The connection pool resources fit into the tree of objects as shown in “[Resources Tree Hierarchy](#)” on page 144.

Use the following dotted name pattern for general connection pool statistics:

```
server.resources.pool-name.statistic
```

Use the following dotted name pattern for application-scoped connection pool statistics:

```
server.applications.application-name.resources.pool-name.statistic
```

Use the following dotted name pattern for module-scoped connection pool statistics:

```
server.applications.application-name.module-name.resources.pool-name.statistic
```

The connection pool statistics are shown in the following tables.

TABLE 8–29 General Resource Monitoring Statistics (Connection Pool)

Statistic	Data Type	Description
averageconnwaittime	CountStatistic	Average wait-time-duration per successful connection request
connrequestwaittime	RangeStatistic	Longest and shortest wait times, in milliseconds, of connection requests since the last sampling. current value indicates the wait time of the last request that was serviced by the pool
numconnacquired	CountStatistic	Number of logical connections acquired from the pool since the last sampling
numconncreated	CountStatistic	Number of physical connections that were created by the pool since the last reset

TABLE 8–29 General Resource Monitoring Statistics (Connection Pool) (Continued)

Statistic	Data Type	Description
numconndestroyed	CountStatistic	Number of physical connections that were destroyed since the last reset
numconnfailedvalidation	CountStatistic	Number of connections in the connection pool that failed validation from the start time until the last sampling time
numconnfree	RangeStatistic	Number of free connections in the pool as of the last sampling
numconnnotsuccessfullymatched	CountStatistic	Number of connections rejected during matching
numconnreleased	CountStatistic	Number of connections released back to the pool since the last sampling
numconnsuccessfullymatched	CountStatistic	Number of connections successfully matched
numconn timedout	CountStatistic	Number of connections in the pool that timed out between the start time and the last sampling time
numconnused	RangeStatistic	Number of connections that are currently being used, as well as information about the maximum number of connections that were used (high water mark)
frequsedsqlqueries	StringStatistic	List of the most frequently used SQL queries (Available only when SQL Tracing is enabled)
numpotentialconnleak	CountStatistic	Number of potential connection leaks
numpotentialstatementleak	CountStatistic	Number of potential statement leaks (Available only when Statement Leak Detection is enabled)
numstatementcachehit	CountStatistic	Number of statements that were found in the statement cache (Available only when the Statement Cache is enabled)
numstatementcachemiss	CountStatistic	Number of statements that were not found in the statement cache (Available only when the Statement Cache is enabled)
waitqueuelength	CountStatistic	Number of connection requests in the queue waiting to be serviced

TABLE 8-30 Application Specific Resource Monitoring Statistics (Connection Pool)

Statistic	Data Type	Description
numconnacquired	CountStatistic	Number of logical connections acquired from the pool since the last sampling
numconnreleased	CountStatistic	Number of connections released back to the pool since the last sampling
numconnused	RangeStatistic	Number of connections that are currently being used, as well as information about the maximum number of connections that were used (high water mark)

Security Statistics

Security fits into the tree of objects as shown in “[Security Tree Hierarchy](#)” on page 144.

Statistics available for security are shown in the following sections:

- “[EJB Security Statistics](#)” on page 174
- “[Web Security Statistics](#)” on page 174
- “[Realm Security Statistics](#)” on page 175

EJB Security Statistics

Use the following dotted name pattern for EJB security statistics:

`server.security.ejb.statistic`

The statistics available for EJB security are listed in the following table.

TABLE 8-31 EJB Security Monitoring Statistics

Statistic	Data Type	Description
policyconfigurationcount	CountStatistic	Number of policy configuration
securitymanagercount	CountStatistic	Number of EJB security managers

Web Security Statistics

Use the following dotted name pattern for web security statistics:

`server.security.web.statistic`

The statistics available for web security are listed in the following table.