

Answer ID 900
Products Introscope Agent AppServer AutoProbe JMX/PMI Adapter JVM AutoProbe Platform Monitors ProbeBuilder Transaction Tracer SQLAgent Enterprise Manager Domains EM Database JDBC API LDAP authentication Management Modules Performance(delete) SmartStor Transaction event database Workstation Actions Alerts Calculator CLW (Command Line Workstation) Dashboard Error Viewer Historical Events Javascript Calculator Reports Transaction Tracer Webstart Webview BRT Adaptor Change Detector Data API EPA Agent Error Detector LeakHunter Microsoft .NET Platform Monitor SNMP adapter
Category Installation/Configuration
Date Created 08/18/2005 08:29 AM
Last Updated 03/28/2008 11:10 AM
Introscope/CEM Ver. 6.0

SQLAgent Metric Explosion Caused by Comments in SQL Statements

Question

Why is SQLAgent showing a large (and increasing) number of unique SQL metrics even though my application uses a small set of SQL statements?

Answer

In general, the number of SQLAgent metrics should approximate the number of unique SQL statements.

An example of this becoming out of line is if you have comments in your SQL statements. For example:

```
"/* John Doe, user ID=?, txn=? */ select * from table..."
```

SQLAgent creates the following metric—note that the comment is part of the metric name.

```
"/* John Doe, user ID=?, txn=? */ select * from table..."
```

While the comment is useful for the database administrator to see who is executing what query, SQLAgent does not parse the comment in the SQL statement. Therefore, for each unique user ID, SQLAgent creates a unique metric, potentially causing a metric explosion. The database does not see these as unique because it ignores the comments.

You can resolve this by putting the SQL comment in single quotes, as follows:

```
"/*' John Doe, user ID=?, txn=? '*/ select * from table..."
```

SQLAgent will then create the following metric where the comment no longer causes a unique metric name.

```
"/* ? */ select * from table..."
```