



## Monitoring TES Java Application Performance

JConsole is recommended for capturing/monitoring any performance related issue. JConsole, a GUI-based software, does not provide a way to capture performance data in a non-interactive way. To capture JMX MBean Attribute values as displayed below, for the purposes of generating alarms when the software exceeds thresholds, use the following command-line alternatives to the JConsole.

- **Jmxterm** (<http://wiki.cyclopsgroup.org/jmxterm>)
- **cmdline-jmxclient** (<http://crawler.archive.org/cmdline-jmxclient>)

**jmxterm** retrieves MBean Attribute values in an interactive shell, whereas **cmdline-jmxclient** retrieves it non-interactively. The syntax of **cmdline-jmxclient** is as follows:

```
Z:\>java -jar cmdline-jmxclient-0.10.3.jar
Usage: java -jar cmdline-jmxclient.jar USER:PASS HOST:PORT [BEAN] [COMMAND]
Options:
USER:PASS Username and password. Required. If none, pass '-'.
E.g. 'controlRole:secret'
HOST:PORT Hostname and port to connect to. Required. E.g. localhost:8081.
List registered beans if only USER:PASS and this argument.
```

**BEANNAME** Optional target bean name. If present we list available operations and attributes.

**COMMAND** Optional operation to run or attribute to fetch. If none supplied, all operations and attributes are listed. Attributes begin with a capital letter: e.g. 'Status' or 'Started'. Operations do not. Operations can take arguments by adding an '=' followed by comma-delimited params. Pass multiple attributes/operations to run more than one per invocation.

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