

Monitoring MongoDB with the FireScope Flex Agent

Once again, FireScope extends its capabilities into yet another area by providing visibility into the health of your local MongoDB deployments. FireScope has extended its newest Java-based Flex Agent with the ability to gather metrics from mongostat. Any metric that is displayed by mongostat can now be collected by the Flex Agent and processed as a FireScope attribute. As with any FireScope attribute, you will have the following options for mongostat attribute data:

- View history
- Graph
- Trend
- Report
- Analyze

If you execute mongostat, you will find a display of several MongoDB health-related statistics. An example display follows:

```
insert query update delete getmore command flushes mapped vsize res faults locked % idx miss % qr|qw ar|aw netIn netOut conn time
0 0 0 0 0 1 0 2.03g 4.17g 315m 4 0 0 0|0 0|0 62b 1k 1 04:08:18
```

For information regarding the meaning of these fields, consult the mongostat documentation at <http://docs.mongodb.org/manual/reference/mongostat/>.

For FireScope's purposes, to collect any of the above referenced metrics, create a mongostat Attribute of type **FireScope Agent** on the CI that corresponds to your MongoDB instance. For example, if you are interested in the "faults" metric, the mongostat **Operation** field would be **mongostat(faults)**.



The **locked %** and **idx miss %** columns are referenced using underscores in place of the spaces for these fields, as in "mongostat(locked_%)."

Also the **qr**, **qw**, **ar**, and **aw** columns are referenced independently as in "mongostat(qr)."

To use this new capability:

1. Install FireScope's Flex Agent v2.0.6 to each MongoDB node in your architecture.
2. Open the Flex Agent properties file and ensure that the following properties are configured properly (as follows) for the local MongoDB deployment:

```
<prop><key>MongostatCommand</key><value>your_mongostat_command_line_goes_here</value><description>mongostat command line execution.</description><flags>3</flags></prop>
<prop><key>MongostatEnabled</key><value>set_to_true_to_enable_mongostat_collection</value><description>Password for mongo db access.</description><flags>3</flags></prop>
<prop><key>MongoPassword</key><value>your_password_goes_here</value><description>Password for mongo db access.</description><flags>3</flags></prop>
<prop><key>MongoPort</key><value>your_port_goes_here</value><description>Port for mongo db access.</description><flags>3</flags></prop>
<prop><key>MongoUser</key><value>your_mongo_username_goes_here</value><description>User for mongo db access.</description><flags>3</flags></prop>
```