

Reducing JBoss Log Verbosity

This document provides some guidance on how to reduce the logging verbosity of a JBoss Application Server that is hosting the SAS Web applications. When the SAS Deployment Wizard is used to configure SASServer1 for the SAS Web applications, the file appender does not have a logging threshold set. As a result, the appender defaults to a DEBUG setting. Logging is controlled by the *JBOSS_HOME*\server\SASServer1\jboss-log4j.xml file.

Reduce All Debug Messages

To reduce logging verbosity in the *JBOSS_HOME*\server\SASServer1\log\server.log file, add a `<param>` element that sets the threshold to INFO. This change prevents logging DEBUG severity messages.

1. Open the *JBOSS_HOME*\server\SASServer1\conf\jboss-log4j.xml file and locate the appender with a name attribute that equals FILE. Add the param element that is shown in bold:

```
<!-- ===== -->
<!-- Preserve messages in a local file -->
<!-- ===== -->

<!-- A time/date based rolling appender -->
<appender class="org.jboss.logging.appender.DailyRollingFileAppender"
name="FILE">
    <errorHandler class="org.jboss.logging.util.OnlyOnceErrorHandler"/>
    <param name="File" value="${jboss.server.log.dir}/server.log"/>
    <param name="Append" value="false"/>
    <!-- reducing the logging verbosity -->
    <param name="Threshold" value="INFO"/>
</appender>
```

2. Restart JBoss Application Server.

Reduce JBoss Debug Messages

To prevent logging only DEBUG severity message from JBoss software, enable the `org.jboss` category limit that is commented out:

1. Open the *JBOSS_HOME*\server\SASServer1\conf\jboss-log4j.xml file and locate the category limit that is disabled with a comment:

```
<!-- Limit JBoss categories
<category name="org.jboss">
    <priority value="INFO"/>
</category>
-->
```

2. Remove the comment as shown here:

```
<!-- Limit JBoss categories -->  
<category name="org.jboss">  
  <priority value="INFO"/>  
</category>
```
3. Restart JBoss Application Server.

Recommended Reading

Community authored, 2009. "Logging." Available at <http://www.jboss.org/community/wiki/Logging>.

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