

Quick Start Guide for Enterprise Monitor - EMSMON (version 2.1)

The following instructions will help you install and configure Enterprise Monitor Platform version 2.1 (EM) with EMS Monitor Solution Package (EMSMON) to monitor your EMS Servers.

Prerequisites

Java JDK 1.6 or 1.7
TIBCO EMS 4+
Application server (e.g., Tomcat 6.0+)

Instructions for UNIX/Linux

NOTE: The following steps assume you are using bash as the OS shell.

- 1) Download and unzip the following packages to your local UNIX/Linux server in this order:

```
unzip -a rtvapm_std_xxx.zip  
unzip -a rtvapm_emsmon_xxx.zip
```

If correctly installed, you should see a **rtvapm** directory with **emsmon** as a subdirectory.

- 2) In a terminal window, navigate to **rtvapm/common/bin** and move the **fixperms.sh** script to the **rtvapm** directory. Run the script from **rtvapm** directory as follows.

```
./fixperms.sh
```

Note that there are two periods with a space between them.

- 3) Set the environment variable **JAVA_HOME** to point to your Java installation. e.g.,

```
export JAVA_HOME=/opt/Java/jdk1.7.0
```

- 4) Set the environment variable **TIBJMS_ROOT** to point to your TIBCO EMS installation. e.g.,

```
export TIBJMS_ROOT=/opt/tibco/ems/6.1
```

- 5) Create a new directory **my_rtvapm_projects** parallel to the **rtvapm** directory.

```
mkdir my_rtvapm_projects
```

- 6) Copy over the **emsample** directory from **rtvapm/projects** directory to the newly created **my_rtvapm_projects** directory.

```
cp -r $RTVAPM_HOME/projects/emsample my_rtvapm_projects
```

The new directory structure will look as follows:

```
rtvapm  
my_rtvapm_projects  
emsample
```

- 7) Navigate to **rtvapm** directory and run the following script.

```
./rtvapm_init.sh
```

This sets up **\$RTVAPM_HOME** environment variable.

- 8) Navigate to **my_rtvapm_projects/emsample** and run the following script.

```
./rtvapm_user_init.sh
```

This sets up **\$RTVAPM_USER_HOME** environment variable.

- 9) Navigate to **\$RTVAPM_USER_HOME/servers/emsmo**.

- 10) Modify the servers.xml to include the EMS servers to be monitored.

***THE FOLLOWING IS AN EXAMPLE OF AN EDITED SERVERS.XML FILE
IN WHICH TWO SERVERS ARE DEFINED, SLHOST10 AND EMS-SERVER:***

```
<?xml version="1.0" ?>  
  <dataset xmlns="www.sl.com" version="1.0">  
    <table key="Servers">  
      <tc name="Name" type="string" index="false" />  
      <tc name="URL" type="string" index="false" />  
      <tc name="Agent" type="string" index="false" />  
      <tc name="User" type="string" index="false" />  
      <tc name="Password" type="string" index="false" />  
      <tr name="">  
        <td>SLHOST10</td>  
        <td>tcp://SLHOST10:7010,tcp://SLHOST10:7011</td>  
        <td/>  
        <td>admin</td>  
        <td>admin</td>  
      </tr>  
      <tr name="">  
        <td>EMS-SERVER</td>  
        <td>tcp://192.168.200.171:6010</td>  
        <td/>  
        <td>admin</td>  
        <td>XQIf08</td>  
      </tr>  
    </table>
```

</dataset>

11) Rename **sample.properties** file to **<customname>.properties**. e.g.,

```
mv sample.properties myproject.properties
```

12) Edit **myproject.properties** with a text editor (e.g., vi) to make the following changes.

(a) Set location of TIBCO EMS jars

```
collector.sl.rtvview.cp=%TIBJMS_ROOT%/lib/tibjms.jar  
collector.sl.rtvview.cp=%TIBJMS_ROOT%/lib/tibjmsadmin.jar
```

(b) For EMS version 8.x

```
collector.sl.rtvview.cp=%TIBJMS_ROOT%/lib/jms-2.0.jar
```

(c) For older EMS versions

```
collector.sl.rtvview.cp=%TIBJMS_ROOT%/lib/jms.jar
```

(d) Uncomment the following properties

```
collector.sl.rtvview.cache.config=ems_topics_cache_source.rtv  
$topicPattern:''  
collector.sl.rtvview.cache.config=ems_queues_cache_source.rtv  
$queuePattern:''
```

13) From the servers directory, type the following commands

```
start_rtv.sh all central -properties:myproject
```

```
start_rtv.sh all emsmon -properties:myproject
```

where **-properties:myproject** refers to the **myproject.properties** file.

This will start up all the required components for EM and for EMSMON.

Note that EM will automatically recognize this **start_rtv.sh** command.

14) Review the logs for errors

```
$RTVAPM_USER_HOME/servers/emsmon/logs  
$RTVAPM_USER_HOME/servers/central/logs
```

15) Copy **emsample.war** located in **\$RTVAPM_HOME/emsmon/webapps** directory to Tomcat **webapps** directory.

16) Start Tomcat (**/apache-tomcat-6.0.18-sl/bin> startup.sh**).

17) Bring up a browser and view the monitor at <http://localhost:8068/emsample>
(login: admin/admin)

Instructions for Windows

- 1) Download and unzip the following packages to your Windows machine in this order:

```
unzip -a rtvapm_std_xxx.zip  
unzip -a rtvapm_emsmon_xxx.zip
```

If correctly installed, you should see a **rtvapm** directory with **emsmon** as a subdirectory.

- 2) Set the environment variable **JAVA_HOME** to point to your Java installation. e.g.,

```
JAVA_HOME=C:\Java\jdk1.7.0
```

- 3) Set the environment variable **TIBJMS_ROOT** to point to your TIBCO EMS installation. e.g.,

```
TIBJMS_ROOT=C:\tibco\ems\6.1
```

- 4) Create a new directory **my_rtvapm_projects** parallel to the **rtvapm** directory.

```
mkdir my_rtvapm_projects
```

- 5) Copy over the **emsample** directory from **rtvapm\projects** directory to the newly created **my_rtvapm_projects** directory. The new directory structure will look as follows.

```
rtvapm  
my_rtvapm_projects  
emsample
```

- 6) Bring up a Windows Command Prompt and navigate to **rtvapm** directory. Run the following script

```
rtvapm_init.bat
```

This sets up **%RTVAPM_HOME%** environment variable.

- 7) Navigate to **my_rtvapm_projects\emsample** and run the following script.

```
rtvapm_user_init.bat
```

This sets up **%RTVAPM_USER_HOME%** environment variable.

- 8) Navigate to **%RTVAPM_USER_HOME%\servers\emsmon**.

- 9) Modify the servers.xml to include the EMS servers to be monitored.

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      <tr name="">
        <td>SLHOST10</td>
        <td>tcp://SLHOST10:7010,tcp://SLHOST10:7011</td>
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        <td>admin</td>
        <td>admin</td>
      </tr>
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        <td/>
        <td>admin</td>
        <td>XQIf08</td>
      </tr>
    </table>
  </dataset>
```

10) Rename **sample.properties** file to **<customname>.properties**. e.g.,

rename sample.properties myproject.properties

11) Edit **myproject.properties** with a text editor to make the following changes.

(a) Set location of TIBCO EMS jars

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collector.sl.rtvview.cp=%TIBJMS_ROOT%/lib/tibjms.jar
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```

(b) For EMS version 8.x

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(d) Uncomment the following properties

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collector.sl.rtvview.cache.config=ems_topics_cache_source.rtv
$topicPattern:''
```

```
collector.sl.rtvview.cache.config=ems_queues_cache_source.rtv
$queuePattern:''
```

12) From the servers directory, type the following commands

```
start_rtv.bat all central -properties:myproject
```

```
start_rtv.bat all emsmon -properties:myproject
```

where **-properties:myproject** refers to the **myproject.properties** file.

This will start up all the required components for EM and for EMSMON.

Note that EM will automatically recognize this **start_rtv.bat** command.

13) Review the logs for errors

```
%RTVAPM_USER_HOME%\servers\emsmon\logs
```

```
%RTVAPM_USER_HOME%\servers\central\logs
```

14) Copy **emsample.war** located in **%RTVAPM_HOME%\emsmon\webapps** directory to Tomcat **webapps** directory.

15) Start Tomcat (C:\apache-tomcat-6.0.18-s\bin> **startup.bat**).

16) Bring up a browser and view the monitor at <http://localhost:8068/emsample>
(login: admin/admin)