



Configuring MITS Report Server to Run as a Linux Daemon

Introduction

This document is presented to provide instructions on how to configure the MITS Report Server component of MITS Report so that it will run as a Linux daemon that will start automatically when the hosting Linux server computer is rebooted.

Document Conventions

The following conventions will be used in this document:

- Words in **bold** represent files used during the installation and configuration of this feature.
- Words in `single-space terminal type` represent commands issued from the command prompt or attributes within configuration files.
- Words in **<bold single-space terminal type surrounded by angle brackets>** represent information that is to be replaced as directed in the installation instructions
- Words in *italics* represent directory paths or configuration file attributes.

Create the Startup and Shutdown Scripts

First, there are two scripts that need to be created: **startmitsreport.sh** and **stopmitsreport.sh**. These two scripts need to be placed in the */etc/init.d* directory on the Linux server.

NOTE: "Execute" permissions will also need to be added for these two shell scripts.

Startup Script

File Name and Location: **/etc/init.d/startmitsreport.sh**

Contents (replace data as appropriate where specified in **bold**):

```
#!/bin/bash
#export JDK_HOME=/usr/java/jdk
export JAVA_HOME=<path to JRE install dir>
export CATALINA_HOME=<path to MITS Report install dir>
#run the startup script from Tomcat installation
<path to MITS Report install dir>/bin/startup.sh
```

Shutdown Script

File Name and Location: `/etc/init.d/stopmitsreport.sh`

Contents (replace data as appropriate where specified in **bold**):

```
#!/bin/bash
#export JDK_HOME=/usr/java/jdk
export JAVA_HOME=<path to JRE install dir>
export CATALINA_HOME=<path to MITS Report install dir>
#run the shutdown script from Tomcat installation
<path to MITS Report install dir>/bin/shutdown.sh
```

Server Configuration

Next, there are two symbolic links that need to be created in two places each (totalling 4 symbolic links that need to be created):

1. Create a symbolic link to the `startmitsreport.sh` script in the following two locations:

```
/etc/rc.d/rc3.d
/etc/rc.d/rc5.d
```

Here are examples of the commands that could be used to do this:

```
ln -s /etc/init.d/startmitsreport.sh /etc/rc.d/rc3.d/S86startmitsreport
ln -s /etc/init.d/startmitsreport.sh /etc/rc.d/rc5.d/S86startmitsreport
```

2. Create a symbolic link to the `stopmitsreport.sh` script in the following two locations:

```
/etc/rc.d/rc0.d
/etc/rc.d/rc6.d
```

Here are examples of the commands that could be used to do this:

```
ln -s /etc/init.d/stopmitsreport.sh /etc/rc.d/rc0.d/K86stopmitsreport
ln -s /etc/init.d/stopmitsreport.sh /etc/rc.d/rc6.d/K86stopmitsreport
```

MITS Report Configuration

Within the mitsreport.properties file (located in /shared/classes under the MITS Report Server installation directory), locate the jdbc.url property and set it as follows, replacing "<installPath>" with the full path to where MITS Report Server has been installed:

```
jdbc.url=jdbc:derby:<path to MITS Report install dir>/data/derby/mitsDB
```

If you are using telnet as your database connection method for MITS Report (rather than UniObjects for Java), you should also change the following property in the mitsreport.properties file accordingly:

```
jdbc.jca.connection.connectionIdentifier=<path to MITS Report install dir>/  
MitsReport/conf/mits-report-db-logging.xml
```