

MWS

How do I set up MWS to authenticate to PAM

Here are steps that explain how to switch MWS from using LDAP authentication to PAM authentication.

First stop Tomcat

```
#####  
[root]# systemctl stop tomcat
```

```
#####
```

Then figure out where the tomcat service file is located. To do this run the following

```
#####  
[root]# systemctl status tomcat  
tomcat.service - Apache Tomcat Web Application Container  
Loaded: loaded (/usr/lib/systemd/system/tomcat.service; ...
```

```
#####
```

Now edit the service file and configure tomcat to run as the root user instead of the tomcat user

```
#####  
[root]# vim /usr/lib/systemd/system/tomcat.service  
...  
User=root  
...
```

```
#####
```

Next edit the MWS configuration file and tell MWS to connect to the operating system PAM module instead of directly to the LDAP server.

```
#####  
[root]# cd /opt/mws/etc  
[root]# vim mws-config.groovy
```

```
#####
```

Comment out ALL of the lines that start with ldap by prepending them with a // as shown below. Make sure you comment them all out. If you miss one MWS will try to contact LDAP directly instead of PAM.

```
#####  
//ldap.server = ...  
//ldap.port = ...  
//ldap.baseDNs = ...  
//ldap.bindUser = ...
```

MWS

```
//ldap.password = ...  
//ldap.directory.type = ...
```

```
#####
```

Add a line that tells MWS to connect to the PAM login module in the operating system.

```
#####  
pam.configuration.service = "login"
```

```
#####
```

Save this file and reload the services files

```
#####  
[root]# systemctl daemon-reload
```

```
#####
```

Now restart tomcat.

```
#####  
[root]# systemctl restart tomcat
```

```
#####
```

Make sure tomcat is running as the root user (not the tomcat user)

```
#####  
[root]# ps -ef | grep tomcat | grep MWS  
root 2827 1 99 17:37 ? 00:01:39 /usr/java/latest/bin/java -DMWS_HOME=/opt/mws  
...
```

```
#####
```

Open the MWS health page in a web browser (e.g. <http://localhost:8080/mws>) and make sure the green/red dot for LDAP is no longer visible. In its place should be a green dot labeled PAM probably right between the dots for "ZeroMQ Message Queue" and "Insight Server". If you still seen a LDAP dot you probably forgot to comment out an ldap line in the mws-config.groovy.

Now try to log into Viewpoint as a user that exists on the operating system (but not "root").

Unique solution ID: #1227

Author: Nate Seeley

Last update: 2020-07-30 19:55