

Upgrading the LAM System in Linux



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Abstract:

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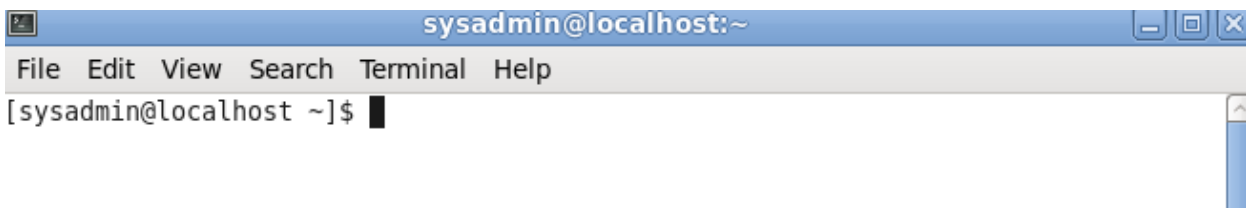
What You Will Need:

- This application notes assume you have functioning installation of the License Asset Manager (LAM) system which **may or may not** include the License Monitoring (LM) component.
- You should also have a copy of the latest 'lam_archive_releaseno.tar.gz' file from the Team EDA downloads site. This was provided to you in an email communication from Team EDA along with the necessary login information.
- You will also need the basic administrative rights over the system to execute the tasks that are necessary to complete the process. Rights should include creating, modifying, and deleting files/folders.

Backing Up the LAM DB:

The process of backing up your MySQL Database in Linux is simple. **Follow the steps below, note you must leave the LAMLM system running but be sure no one is attempting to use the system; or especially attempting to save new data to it!**

1. Open up an instance of "Terminal" if you are using a GUI based distribution; if you are not simply use the console prompt.



(Screenshot of Open Terminal)

Now 'cd' into your LAMLM installation directory.

```
sysadmin@localhost:~
File Edit View Search Terminal Help
[sysadmin@localhost ~]$ cd \<your LAMLM Path HERE>
```

(Screenshot of CD LAMLM Command)

2) Type in './MySQLx.x.xx-linux-xxxx/bin/mysqldump -ulamuser -plampassword lamdb > /<Choose_A_PATH>/LAM_BACKUP.SQL'. Note you may input any path you like to save the backup file; just be sure to put it somewhere you will remember!

```
[sysadmin@localhost lamlm_bundle]$ ./mysql-5.1.50-linux-i686/bin/mysqldump -ulamuser -plampassword lamdb > LAM_BACKUP.SQL
[sysadmin@localhost lamlm_bundle]$ ls
apache-tomcat-7.0.2  LAM_BACKUP.SQL  mysql-5.1.50-linux-i686  start_lamlm  stop_lamlm
jre1.6.0_21         lam.log         rtda                    start_lamlm.log
[sysadmin@localhost lamlm_bundle]$
```

(Screenshot of './mysqldump' Command in Terminal Window)

- 3. When complete, you should get the shell prompt back (\$). Do a 'ls -lh' of the directory containing the LAM_BACKUP.SQL file to be sure it was created.

```
[sysadmin@localhost lamlm_bundle]$ ls -lh
total 68K
drwxr-xr-x. 9 sysadmin sysadmin 4.0K Dec 22 11:13 apache-tomcat-7.0.2
drwxr-xr-x. 8 sysadmin sysadmin 4.0K Dec 22 11:11 jre1.6.0_21
-rw-rw-r--. 1 sysadmin sysadmin 38K Jan 11 00:35 LAM_BACKUP.SQL
-rw-rw-r--. 1 sysadmin sysadmin 0 Dec 28 11:02 lam.log
drwxr-xr-x. 13 sysadmin sysadmin 4.0K Dec 22 11:12 mysql-5.1.50-linux-i686
drwxr-xr-x. 4 sysadmin sysadmin 4.0K Dec 28 11:02 rtda
-rwxr-xr-x. 1 sysadmin sysadmin 3.6K Dec 22 12:46 start_lamlm
-rw-rw-r--. 1 sysadmin sysadmin 2.5K Jan 11 01:09 start_lamlm.log
-rwxr-xr-x. 1 sysadmin sysadmin 391 Dec 22 12:47 stop_lamlm
```

(Screenshot of 'ls -lh' command in Terminal Window)

*****Important Note: The LAM DB cannot be read or updated when the 'mysqldump' command executes. Automatic locks are placed on the database to prevent possible corruption!*****

Upgrading LAM in Linux:

- 1.) First you will need to obtain the new LAM upgrade file. You will find the URL to this file in the email we just sent you. Also included will be the username and password needed to download the file.

- 2.) This 'lam_archive_releasen0.tar.gz' archive can be extracted anywhere. (We recommend placing it in a 'Downloads' directory) Next, stop LAMLM, if it is not already stopped, and go to the extracted 'lam_archive_releasen0' directory. You will see an 'install_lam' script here.

(Screenshot of lam_archivexxx.tar.gz Extraction)

```
[sysadmin@localhost ~]$ tar -xvf ./Desktop/lam_archive570.tar.gz -C ./lamUpgrade
/
tar/
tar/lam.war
tar/install lam
```

- 3.) Run the install_lam script as follows:
./install_lam lam.war path/to/lamlm_bundle/apache-tomcat-x.x.xx/webapps/

```
[sysadmin@localhost lamUpgrade]$ ./install_lam lam.war /home/sysadmin/lamlm_bundle/
apache-tomcat-7.0.2/webapps/
```

(Screenshot of install_lam Script Execution)

- 4.) This will backup your old lam directory, inflate the new lam.war executable, preserve your 'lam.properties' file, and install the new LAM component into the proper directory. The script will perform some work and then pause, and ask you to start the webserver for LAMLM. You can do this by opening another terminal window and running the '/start_lam<lm>' script in that second window. Once that is done, go back to first window and press <enter> to continue on with the install_lam script. **The install_lam script will come back with the word 'DONE' when complete.**

```
tomcat-7.0.2/webapps/
Moved old lam dir to /home/sysadmin/2010.09/lamlm_bundle/apache-tomcat-7.0.2/web
apps//lam.old/2011-01-20-15-51-22
Please start the webserver if not already running then hit return
If its already running, please hit return now

waiting for server to inflate file
..DONE.
[sysadmin@localhost lamUpgrade]$
```

(Screenshot of Script End Confirmation)

- 5.) Log into the LAM (and LM if installed) web applications in your browser, and check to make sure all your old data is still present. Make sure any utilization stats that appeared in the LAM licenses, are still appearing. Also **check that the release version** in the left-hand upper corner of LAM lists the newest release.

LICENSE ASSET MANAGER

Version : 5.7.0

A web-based, database centric, enterprise class application for consolidating and sharing EDA or MDA Software License, License Agreements, POs, Costs, License Servers, Vendors and Contact information. And using that information to effectively manage the License Assets of your company.

Here are some useful links :

For new functionality in this version, check out these [release notes](#).

Get help for LAM by clicking [here](#).

LAM can import data in excel files. Download the excel file format [here](#).

To report a bug, please send an email to support@teameda.com

Please login :

Name

Password

Remember my login

[Forgot Your password?](#)

If anything goes wrong during the upgrade or you need additional assistance please feel free to contact us! TeamEDA at 978-251-7510 or email support@teameda.com.