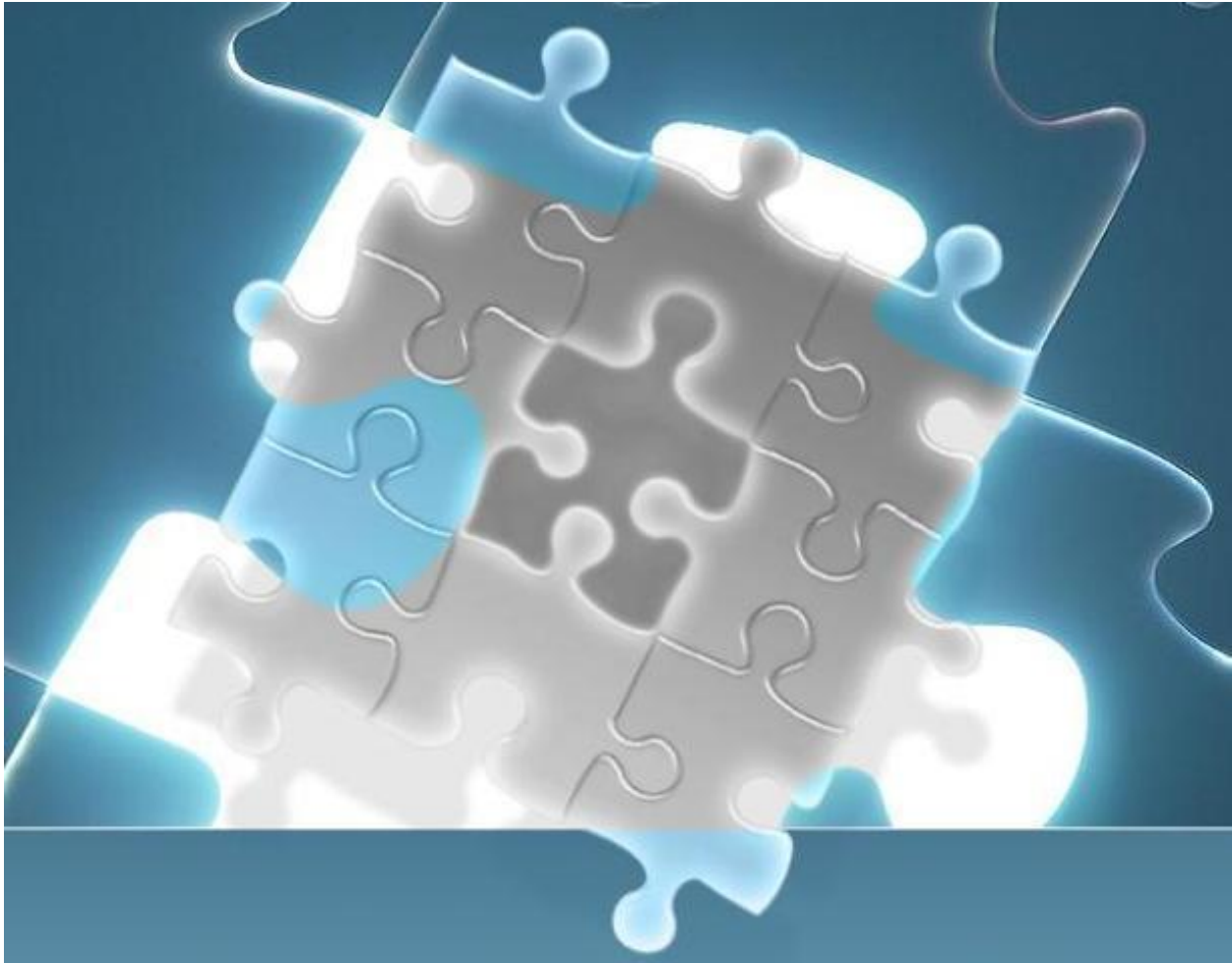




License Asset Manager™

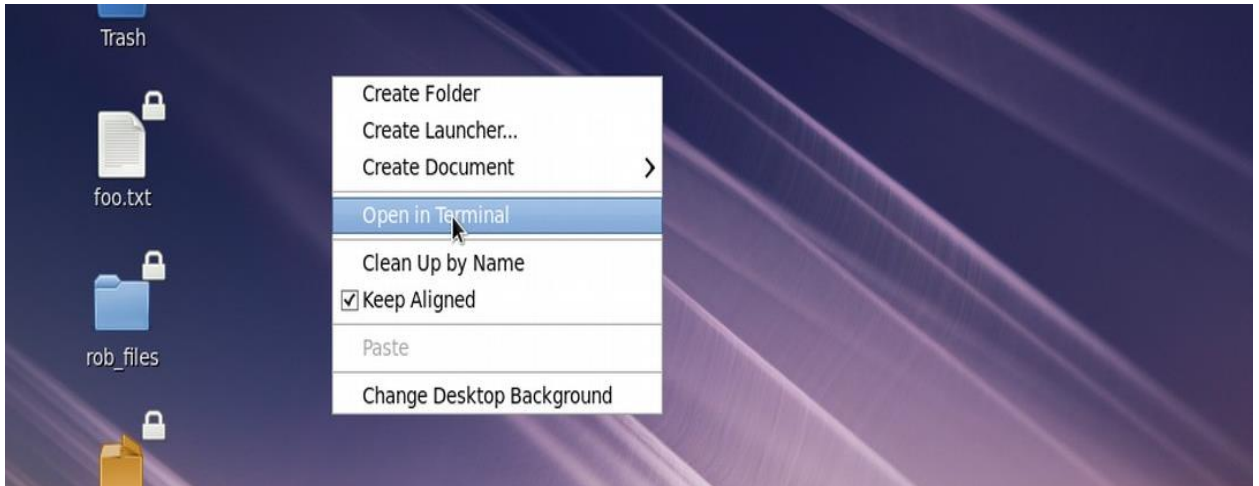
## Application Note

# Installation of LAMUM on Linux Server (License key and Linux Services)

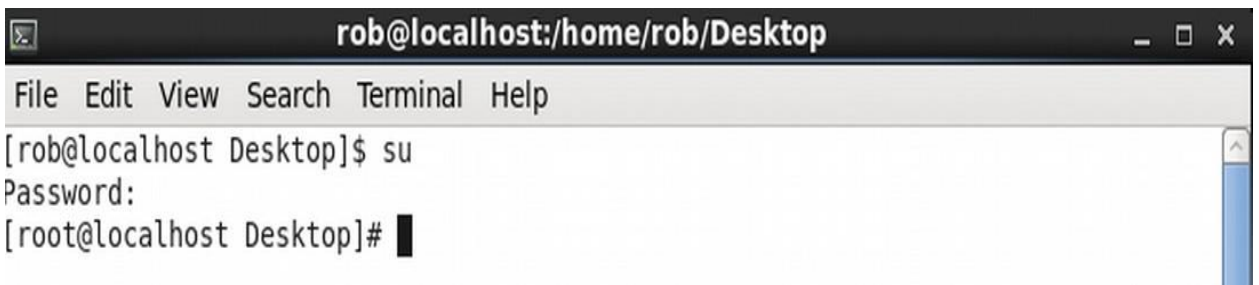


## Installing LAMUM

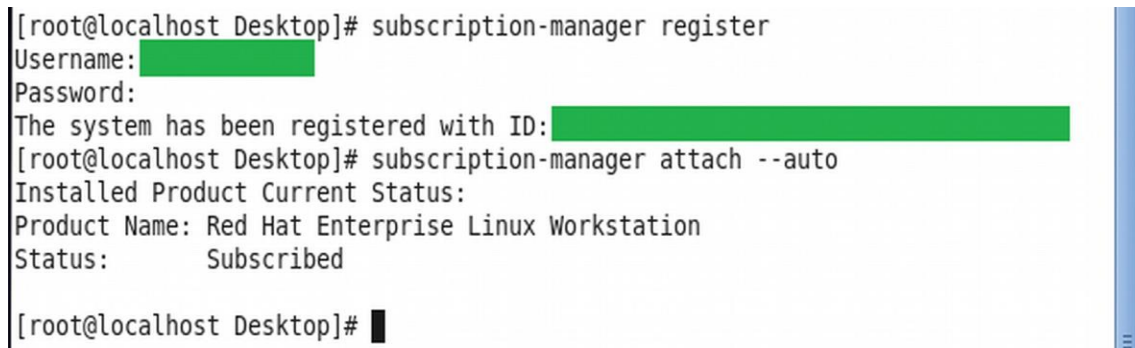
1. Download the desired installation archive file from the TeamEDA FTP Site.
2. Open a terminal.



3. Type su and Enter, Then enter your root user password, when prompted.



4. If you haven't already setup your subscription manager for RHEL users , CentOS users can skip this since they do not have to subscribe to Red Hat.
  - a Type: subscription-manager register
  - b Type: subscription-manager attach --auto



5. This version of LAMUM uses MySQL server community edition 5.7.xx. Because of recent changes, you must install this version MySQL, and get it up and running with a **new** root password, BEFORE proceeding with the LAMUM install. Please follow these steps:
  - a `yum localinstall https://dev.mysql.com/get/mysql57-community-release-el7-11.noarch.rpm`
  - b `yum install mysql-community-server`
  - c `systemctl start mysqld.service`
  - d `grep 'A temporary password is generated for root@localhost' /var/log/mysqld.log | tail -1`
  - e temporary password is generated for root@localhost: xxxxxxxxxxxxxxxx
  - f Start mysql client with this temporary root password and reset a new root password:
    - i. `mysql -uroot -p xxxxxxxxxxxxxxxx`
    - ii. `mysql> ALTER USER 'root'@'localhost' IDENTIFIED BY 'yournewrootpwd';`  
`mysql> exit`
  - g You are now ready to proceed with LAMUM installation.
  
6. Untar the archive file. Which is usually named according to the version number. In this example we use v.x.x.0.tar.gz  
Type: `tar -xvf TEAMEDA-Linux-x86_64-v.x.x.0.tar.gz`



```
[root@localhost Desktop]# subscription-manager attach --auto
Installed Product Current Status:
Product Name: Red Hat Enterprise Linux Workstation
Status:          Subscribed

[root@localhost Desktop]# tar -xvf TEAMEDA-Linux-x86_64-v6.7.3.0.tar.gz
```

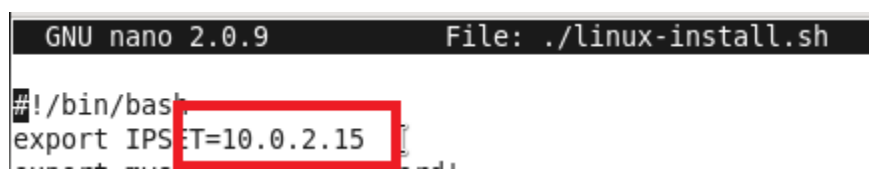
7. Change directory to untarred archive file.  
Type: `cd ./TEAMEDA-Linux-x86_64-v.x.x.0`

```
[root@localhost rob]# cd ./TEAMEDA-Linux-x86_64-v6.7.3.0
```

8. Open install script called lamum\_install.sh with your favorite text editor, and edit lines as shown in subsequent steps.  
Type: `nano ./lamum_install.sh`

```
[root@localhost TEAMEDA-Linux-x86_64-v6.7.3.0]# ls
backupdatabase.bat  lamcube      linux-install-new.sh~  README
etc                 lam_bundle  linux-install.sh       README~
index.php           lamonitor   linux-install.sh~     vs
[root@localhost TEAMEDA-Linux-x86_64-v6.7.3.0]# nano ./linux-install.sh
```

9. Change the default IP address 10.0.2.15 to the IP address of the server on which you are installing LAMUM.



```
GNU nano 2.0.9      File: ./linux-install.sh
#!/bin/bash
export IPSET=10.0.2.15
```

10. Change the default my SQL root and password in the script to your **new** SQL root and password.
11. Change permissions of lamum\_install.sh file.  
Type: `chmod 777 ./lamum_install.sh`

```
[root@localhost TEAMEDA-Linux-x86_64-v6.7.3.0]# nano ./linux-install.sh  
[root@localhost TEAMEDA-Linux-x86_64-v6.7.3.0]# chmod 777 ./linux-install.sh
```

12. Run the lamum\_install.sh file as root.  
Type: `sh ./lamum_install.sh`

```
[root@localhost TEAMEDA-Linux-x86_64-v6.7.3.0]# chmod 777 ./linux-install.sh  
[root@localhost TEAMEDA-Linux-x86_64-v6.7.3.0]# sh ./linux-install.sh
```

13. Confirm your IP address.

```
Please enter an IP address or accept the following,  
we recommend using a local internet address => 10.0.2.15  
Please enter your IP ADDRESS: 10.0.2.15
```

14. Confirm Y to all prompts.

For LAMUM 9.0 and above, LAMUM Linux tar.gz file comes pre-bundled with PHP 7.X, Ioncube and httpd.

15. The following services will/have to be installed for LAMUM to run efficiently
  - a PHP full package, mcrypt for versions older than LAMUM 9.0
  - b Ioncube
  - c MySQL

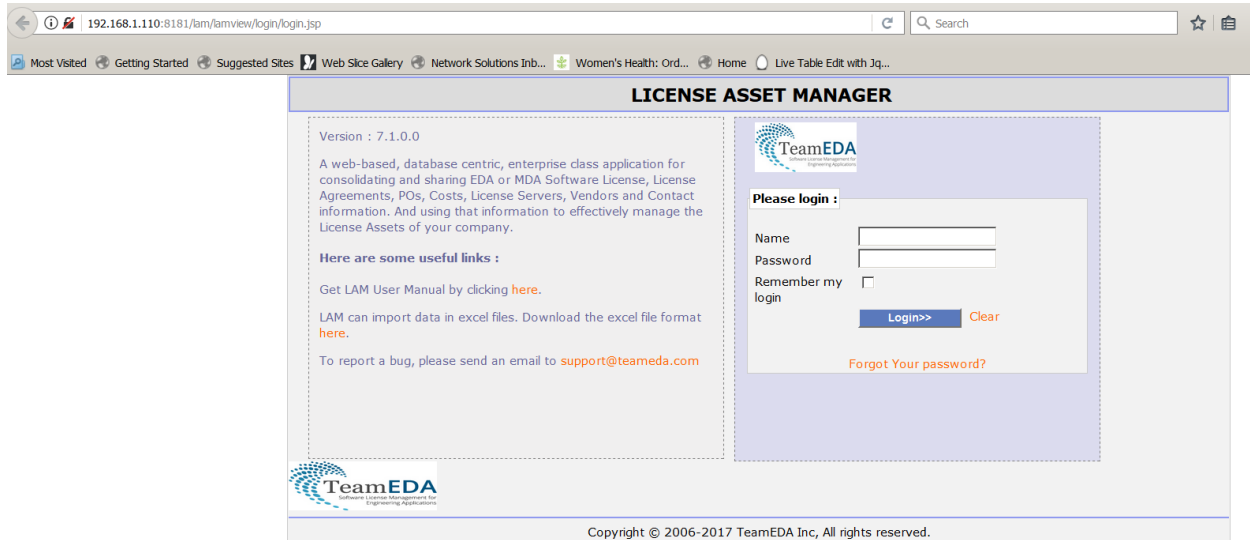
16. LAMUM is now installed.

```
Configured TeamEDA files to suit your environment, You should be able to access  
http://10.0.2.15:8182/lammonitor/ and begin working now!!!  
  
Would you like to start LAM Tool? (y)  
y  
sh: ./start_lam: No such file or directory  
  
Started LAM Tool
```

17. Start httpd services

18. Start lam services by running lam\_start.sh script in lam\_bundle

19. Open web browser and type `http://IPADDRESS:8181/lam` to login to LAMUM where IPADDRESS is your LAMUM server's IP address.

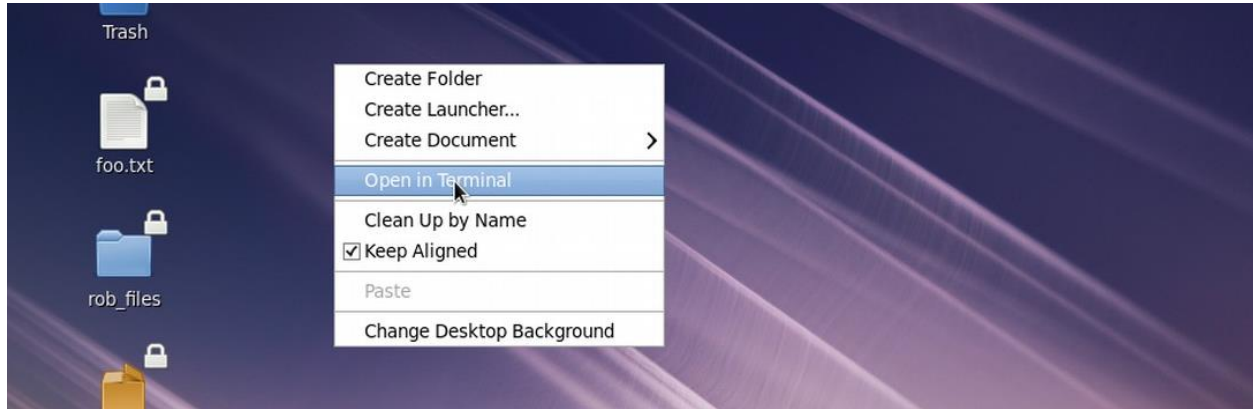


## GETTING **lmutil** to work

1. By default, LAMUM will install in `/var/www/html` folder. It will install 3 directories in the html folder
  - a `lam_bundle` : License Asset Manager
  - b `lammonitor`: Usage Monitoring side of tool
  - c `Daemon Manager`: Daemon Manager
2. Put the **lmutil** to a location on your LAMUM server where it is accessible. Navigate to the **lammonitor/conf** folder and open `config.php` via `vi` or any editor
3. look for the line `$lmutil['lmutil_loc'] = '{path_to_lmutil}' ;` and put in the path to the `lmutil`  
Setenforce 0 (RHEL only) and restart `httpd` services

## Upgrading LAMUM

1. Download the desired installation archive file from the TeamEDA FTP Site.
2. Open a terminal.



3. As a super user, extract the downloaded tar.gz file for the upgrade.

Note that there should be a version of LAMUM already installed for you to run an upgrade if not you will have to install a Full version.

4. Open install script called lamum\_install.sh with your favorite text editor, and edit lines as shown in subsequent steps.

Type: `nano ./lamum_install.sh`

```
[root@localhost TEAMEDA-Linux-x86_64-v6.7.3.0]# ls
backupdatabase.bat  loncube  linux-install-new.sh~  README
etc                lam_bundle  linux-install.sh      README~
index.php          lamonitor  linux-install.sh~    var
[root@localhost TEAMEDA-Linux-x86_64-v6.7.3.0]# nano ./linux-install.sh
```

5. Change the default IP address 10.0.2.15 to the IP address of the server on which you are installing LAMUM.

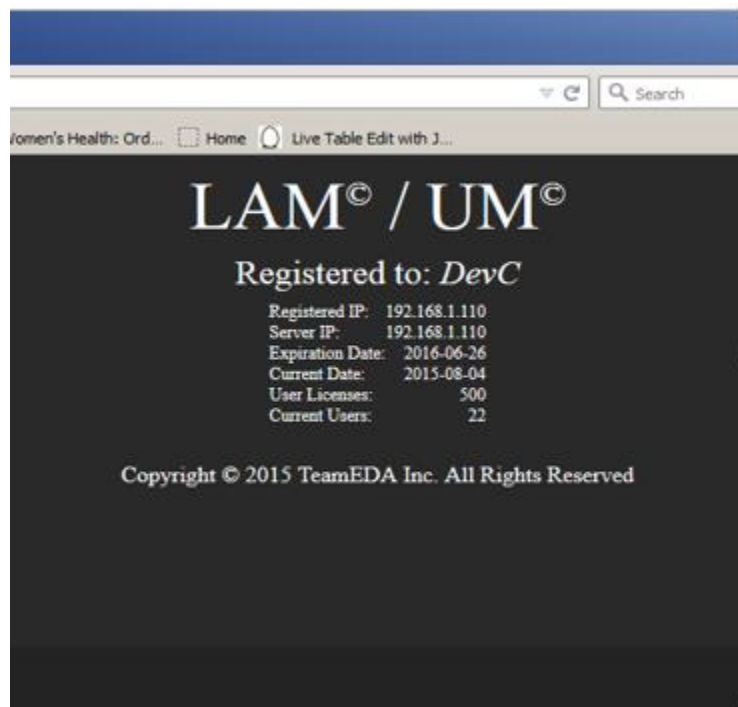
```
GNU nano 2.0.9 File: ./linux-install.sh
#!/bin/bash
export IPSET=10.0.2.15
```

6. You don't need the mysql root password for an upgrade. Save the linux-install.sh script and run confirming all prompts.

7. LAMUM is now upgraded.

## Installing the License Key

1. Obtain a license activation key from TeamEDA
2. Put the license activation key in **lammonitor/conf/** folder ie lammonitor/conf/activation.lic for RHEL or CentOS the path is **var/www/html/LAMUM/lammonitor/conf**
3. To force LAMUM to read the license file,  
http:// {your ip address}:8182/lammonitor/licenses



This window shows the Registered IP:  
Server IP:  
Expiration Date of the licenses:  
Current Date:  
User Licenses:  
and Current Users:

If any of these do not show up right. Contact TeamEDA immediately.

Contact TeamEDA for questions:  
603-656-5200  
support@teameda.com