

Installing the FlexNet server

A FlexNet license server is required for Teamwork Cloud to operate. It can be installed on the same system, or on a separate machine. The automated deployment script (**install_flex_centos_rhel.sh**) downloads all required components, deploys the server, creates the systemctl service entry to control it, and creates the necessary firewall rules to allow the required traffic. The firewall rules are created for both the internal and public zones, and the script may require modification depending on which zone the interface is located in. Additionally, if the firewall is not running when the installation script is executed, the rules will not be created. The script creates a user, **lmadmin**, which runs the lmadmin service. The FlexNet server requires the Redhat LSB core files as well as the ld-linux library in order to execute. In order to identify which LSB Core library is required, the following command can be issued:

```
sudo yum provides /lib/ld-lsb.so.3
```

The application should be installed in */opt/local/FNPLicenseServerManager* (the installer's default location is */opt/FNPLicenseServerManager* - so make sure that you change the location when prompted). All other default values presented by the installer should be accepted.

After the lmadmin server has been installed it can be started by issuing the command:

```
sudo systemctl start lmadmin
```

To check if the service is running, issue the following command:

```
sudo systemctl status lmadmin
```

If the service failed to start, it is often because the built-in web server cannot resolve the hostname. To check if this is the case, issue the following commands:

```
cd /opt/local/FNPLicenseServerManager/logs  
tail web.log
```

You will see output similar to the following:

```
[Tue May 02 18:43:27 2017] [alert] (EAI 2)Name or service not known:  
mod_unique_id: unable to find IPv4 address of "yourhostname"  
Configuration Failed
```

Where *yourhostname* is the name of the host. If this is the case, you will need to edit the */etc/hosts* file and add an entry so the webserver can resolve the host. The line will be similar to the following:

```
192.168.130.10 yourhostname
```