Linux Installation

Prerequisites

- Have a computer/server running Linux (recommended: Ubuntu 18.04 LTS or newer)
- Download the required version of the Chariot MQTT Server zip file

⚠ If Upgrading Chariot to a Newer Version please review this tutorial.

The instructions below detail Installing (as superuser), Installing (as non superuser), Starting, Stopping, Restarting and Uninstalling the Chariot MQTT Server.

Installing Chariot® MQTT Server (as superuser)

1. Using the file transfer method of your choice, transfer the Chariot MQTT Server zip file to the Linux server. From a command prompt, run the unzip command on the file. For example, unzip the files into a directory named Chariot

```
unzip ./chariot_linux.zip -d ./Chariot
```

2. From the command prompt, run the Chariot service install script in the directory where the files were unzipped.

```
/bin/bash ./install.sh
```

3. The Chariot MQTT Server should now be installed in the Linux server and will run automatically when the server is booted.

Installing Chariot MQTT Server (as non-superuser)

1. Using the file transfer method of your choice, transfer the downloaded Chariot MQTT Server zip file to the server.

2. From a command prompt, create a new user 'chariot' and give the user super user privileges

```
sudo adduser chariot
sudo usermod -aG sudo chariot
```

3. From the command prompt, install the unzip utility.

```
sudo apt-get install unzip
```

4. From the command prompt, switch user to the 'chariot' user

```
su chariot
```

5. From the command prompt, run the unzip command on the file. For example, unzip the files into a directory named chariot

```
sudo unzip /tmp/chariot_linux.zip -d ./chariot
```

6. From the command prompt, run the Chariot service install script in the directory where the files were unzipped.

```
cd chariot
sudo /bin/bash ./install.sh
```

7. From the command prompt, change ownership to 'chariot', log out of the 'chariot' user, remove 'chariot' from the sudo group and log in as 'chariot'

```
cd ..
sudo chown -R chariot:chariot ./chariot
exit
sudo deluser chariot sudo
su chariot
```

8. The Chariot MQTT Server should now be installed in the Linux server and will run automatically when the server is booted.

Starting the Chariot MQTT Server

1. From a command prompt, run the Chariot service start script in the directory where the service was installed.
   For Chariot versions prior to 2.4.1

```
/etc/init.d/chariot start
```

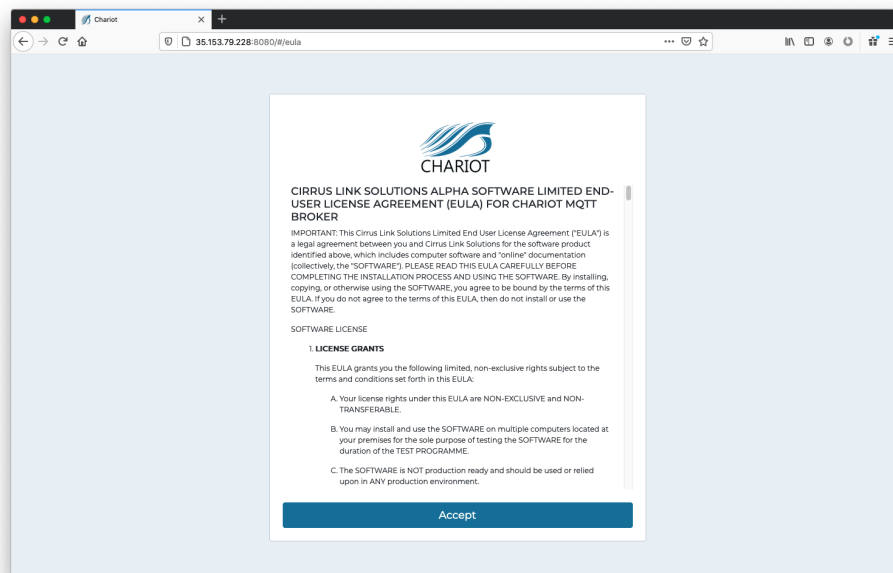   For Chariot versions 2.4.1 and newer

```
systemctl start chariot
```

2. Verify the Chariot service is running. From a command prompt, run the Chariot service status script in the directory where the service was installed.

```
./status.sh
```

The status returned will be: INSTALLED, NOT INSTALLED or RUNNING.

Additionally the Chariot MQTT Server Web UI can be accessed on port 8080. Navigate to the server's URL in a browser and verify that the EULA

page is shown.

Stopping the Chariot MQTT Server

From a command prompt, run the Chariot service stop script in the directory where the service was installed.
For Chariot versions prior to 2.4.1

```
/etc/init.d/chariot stop
```

For Chariot versions 2.4.1 and newer

```
systemctl stop chariot
```

Restarting the Chariot MQTT Server

From a command prompt, run the Chariot service restart script in the directory where the service was installed

For Chariot versions prior to 2.4.1

```
/etc/init.d/chariot restart
```

For Chariot versions 2.4.1 and newer

```
systemctl restart chariot
```

Uninstalling the Chariot MQTT Server

1. From a command prompt, run the Chariot service uninstall script in the directory where the service was installed.

```
./uninstall.sh
```