## Lattus Multi-hop Upgrade

Objectives

Practice upgrading your Lattus system. In these steps, you will upgrade from version 3.1.4 to version 3.3.1. Upgrading to Lattus 3.3.1 is a two-step process--the first step is to upgrade to Lattus 3.2.1, and then upgrade from there to Lattus 3.3.1.

You will complete the following tasks in this lab:

* Identify where to download the latest version of Lattus software
* Upgrade Lattus from version 3.1.4 to 3.2.1
* Upgrade Lattus from version 3.2.1 to 3.3.1

### Move Lattus Software to the Management Controller Node

This has already been done for you. The 3.2.1 and 3.3.1 Lattus upgrade packages are already in the /root directory of Controller1.

### Upgrade Lattus from 3.1.4 to 3.2.1

To upgrade Lattus from 3.1.4 to 3.2.1:

1. Using public IP address for Controller1, open PuTTY and access the node.



1. Use the following credentials to log into Controller1:
	* Username: **root**
	* Password: **rooter**



1. Type **0** and the press **Enter** to exit out of the OSMI menu. The following prompt appears.



1. Type **qshell** and press **Enter**.



1. Run a health check on your environment by running this qshell command:

**q.lattus.healthCheck()**

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**Note**: Healthcheck may report errors. These errors are due to the virtual environment and can be ignored for this lab.

1. Type **quit()** and press **Enter** to exit qshell.
2. Make sure that you are in the **/root** directory and run the following command to extract the upgrade package:

**tar xzf Lattus\_3.2.1.tgz -C /opt/qbase3/**

1. Open a screen session on Controller1:

**screen -S 3.2.1.upgrade**

1. Execute the following commands to upgrade Lattus:

**cd /opt/qbase3/utils/**

**./apply\_package.py -d -r -p Lattus\_3.2.1**



A “\*\*\* DONE \*\*\*” message appears when the upgrade is complete.

1. Leave the PuTTY session open and continue with the [Upgrade Lattus from 3.2.1 to 3.3.1](#_Upgrade_Lattus_from) procedure.

### Upgrade Lattus from 3.2.1 to 3.3.1

To upgrade Lattus from 3.2.1 to 3.3.1:

1. Access your PuTTY session and log in to your Controller1, if necessary.
2. Type **qshell** and press **Enter**.
3. Run a health check on your environment by running this qshell command:

**q.lattus.healthCheck()**

**Note**: Again, Healthcheck may report errors. These errors are due to the virtual environment and can be ignored.

1. Type **quit()** and press **Enter** to exit qshell.
2. Make sure that you are in the **/root** directory and run the following command to extract the upgrade package:

**tar xzf Lattus\_3.3.1.tgz -C /opt/qbase3/**

1. Open a screen session on the management node:

**screen -S 3.3.1.upgrade**

1. Execute the following commands to upgrade Lattus:

**cd /opt/qbase3/utils/**

**./apply\_package.py -d -r -p Lattus\_3.3.1**

The upgrade process begins, as shown in the following example.



The initial upgrade takes approximately 30 minutes to complete. When complete, you will see “done”, as shown below.

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1. After the initial upgrade has finished, complete the upgrade by running the following commands:

**cd /opt/qbase3/utils/**

**./apply\_package.py -c -p Lattus\_3.3.1**



A “\*\*\* DONE \*\*\*” message appears when the upgrade is complete.

1. Once the upgrade completes, close the PuTTY session and log out.