

Assignment:

Install Supplemental Software & Server maintenance

Upgrade Python 3 was done through the “sudo apt-get upgrade” command.

The analysis for upgrade with specific information on software properties, items that will be removed, archived and disk space information was followed by option to continue with [y/n] choices.

```
arjune@mylamp:~$ sudo apt-get upgrade
[sudo] password for arjune:
Reading package lists... Done
Building dependency tree
Reading state information... Done
Calculating upgrade... Done
The following packages have been kept back:
  linux-generic linux-headers-generic linux-headers-virtual
  linux-image-generic
The following packages will be upgraded:
  landscape-common linux-libc-dev python-apt python3-apt
  python3-software-properties rsyslog software-properties-common
8 upgraded, 0 newly installed, 0 to remove and 4 not upgraded.
Need to get 1,636 kB of archives.
After this operation, 9,216 B disk space will be freed.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu/ trusty-updates/main rsyslog amd64 7.4
.4-1ubuntu2.5 [355 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu/ trusty-updates/main python-apt-common
all 0.9.3.5ubuntu1 [17.1 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu/ trusty-updates/main python3-apt amd64
0.9.3.5ubuntu1 [139 kB]
Get:4 http://us.archive.ubuntu.com/ubuntu/ trusty-updates/main python-apt amd64
0.9.3.5ubuntu1 [140 kB]
Get:5 http://us.archive.ubuntu.com/ubuntu/ trusty-updates/main landscape-common
amd64 14.12-0ubuntu0.14.04 [166 kB]
Get:6 http://us.archive.ubuntu.com/ubuntu/ trusty-updates/main linux-libc-dev am
d64 3.13.0-45.74 [790 kB]
60% [6 linux-libc-dev 160 kB/790 kB 20%]
```

The choice of [y] proceeded to accessing Ubuntu archive, main system log and pertinent software patches for python through Linux system.

Unpacking and preparing the software update through the software resulted in a successful Python upgrade.

```
Unpacking rsyslog (7.4.4-1ubuntu2.5) over (7.4.4-1ubuntu2.3) ...
Preparing to unpack .../python-apt-common_0.9.3.5ubuntu1_all.deb ...
Unpacking python-apt-common (0.9.3.5ubuntu1) over (0.9.3.5) ...
Preparing to unpack .../python3-apt_0.9.3.5ubuntu1_amd64.deb ...
Unpacking python3-apt (0.9.3.5ubuntu1) over (0.9.3.5) ...
Preparing to unpack .../python-apt_0.9.3.5ubuntu1_amd64.deb ...
Unpacking python-apt (0.9.3.5ubuntu1) over (0.9.3.5) ...
Preparing to unpack .../landscape-common_14.12-0ubuntu0.14.04_amd64.deb ...
Unpacking landscape-common (14.12-0ubuntu0.14.04) over (14.01-0ubuntu3) ...
Preparing to unpack .../linux-libc-dev_3.13.0-45.74_amd64.deb ...
Unpacking linux-libc-dev:amd64 (3.13.0-45.74) over (3.13.0-44.73) ...
Preparing to unpack .../software-properties-common_0.92.37.3_all.deb ...
Unpacking software-properties-common (0.92.37.3) over (0.92.37.2) ...
Preparing to unpack .../python3-software-properties_0.92.37.3_all.deb ...
Unpacking python3-software-properties (0.92.37.3) over (0.92.37.2) ...
Processing triggers for ureadahead (0.100.0-16) ...
Processing triggers for man-db (2.6.7.1-1ubuntu1) ...
Setting up rsyslog (7.4.4-1ubuntu2.5) ...
The user 'syslog' is already a member of 'adm'.
Skipping profile in /etc/apparmor.d/disable: usr.sbin.rsyslogd
rsyslog stop/waiting
rsyslog start/running, process 10101
Setting up python-apt-common (0.9.3.5ubuntu1) ...
Setting up python3-apt (0.9.3.5ubuntu1) ...
Setting up python-apt (0.9.3.5ubuntu1) ...
Setting up landscape-common (14.12-0ubuntu0.14.04) ...
Setting up linux-libc-dev:amd64 (3.13.0-45.74) ...
Setting up python3-software-properties (0.92.37.3) ...
Setting up software-properties-common (0.92.37.3) ...
arjune@mylamp:~$ _
```

Mysql-client was also installed.

```
arjune@mylamp:~$ sudo apt-get install mysql-server mysql-client
[sudo] password for arjune:
Reading package lists... Done
Building dependency tree
Reading state information... Done
mysql-server is already the newest version.
The following NEW packages will be installed:
  mysql-client
0 upgraded, 1 newly installed, 0 to remove and 4 not upgraded.
Need to get 12.3 kB of archives.
After this operation, 129 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us.archive.ubuntu.com/ubuntu/ trusty-updates/main mysql-client all 5.5.41-0ubuntu
0.14.04.1 [12.3 kB]
Fetched 12.3 kB in 0s (67.7 kB/s)
Selecting previously unselected package mysql-client.
(Reading database ... 95174 files and directories currently installed.)
Preparing to unpack .../mysql-client_5.5.41-0ubuntu0.14.04.1_all.deb ...
Unpacking mysql-client (5.5.41-0ubuntu0.14.04.1) ...
Setting up mysql-client (5.5.41-0ubuntu0.14.04.1) ...
arjune@mylamp:~$ █
```