

Install Supplemental Software & Maintenance

Upon launching the server it displayed that 48 packages can be updated.

```
Last login: Sun Mar 29 05:08:38 on ttys000
Owner:~ graphicsflo$ ssh sandbox.dev
ssh: connect to host sandbox.dev port 2222: Connection refused
Owner:~ graphicsflo$ ssh sandbox.dev
rarjune@sandbox.dev's password:
Welcome to Ubuntu 14.04.2 LTS (GNU/Linux 3.13.0-46-generic x86_64)

* Documentation:  https://help.ubuntu.com/

System information as of Sun Mar 29 05:21:58 EDT 2015

System load:  0.08               Processes:            90
Usage of /:   30.1% of 6.50GB    Users logged in:     0
Memory usage: 5%                IP address for eth0: 10.0.2.15
Swap usage:   0%

Graph this data and manage this system at:
https://landscape.canonical.com/

48 packages can be updated.
32 updates are security updates.

Last login: Sat Mar 28 21:05:29 2015 from 10.0.2.2
```

Using sudo apt-get upgrade the upgrades started by reading package information and building dependencies.

```
rarjune@sandbox:~$ sudo apt-get upgrade
```

The following packages were upgraded:

```
apache2 apache2-bin apache2-data apache2-mpm-prefork apport initscripts
libapache2-mod-php5 libasn1-8-heimdal libgnutls-openssl27 libgnutls26
libgssapi3-heimdal libhcrypto4-heimdal libheimbase1-heimdal
libheimntlm0-heimdal libhx509-5-heimdal libkrb5-26-heimdal libnuma1
libroken18-heimdal libssl1.0.0 libwind0-heimdal linux-headers-3.13.0-46
linux-headers-3.13.0-46-generic linux-image-3.13.0-46-generic
linux-image-extra-3.13.0-46-generic linux-libc-dev openssl php5-cli
php5-common php5-gd php5-intl php5-mysql php5-readline php5-sqlite
python-requests python3-apport python3-problem-report sudo sysv-rc
sysvinit-utils tzdata unattended-upgrades
```

The patches installed are linux image file, php5, mysql and apache..

```

Generating grub configuration file ...
Found linux image: /boot/vmlinuz-3.13.0-46-generic
Found initrd image: /boot/initrd.img-3.13.0-46-generic
Found linux image: /boot/vmlinuz-3.13.0-32-generic
Found initrd image: /boot/initrd.img-3.13.0-32-generic
Found memtest86+ image: /memtest86+.elf
Found memtest86+ image: /memtest86+.bin
done
Setting up php5-common (5.5.9+dfsg-1ubuntu4.7) ...
php5_invoke pdo: already enabled for cli SAPI
php5_invoke pdo: already enabled for apache2 SAPI
php5_invoke opcache: already enabled for cli SAPI
php5_invoke opcache: already enabled for apache2 SAPI
Setting up php5-intl (5.5.9+dfsg-1ubuntu4.7) ...
php5_invoke intl: already enabled for cli SAPI
php5_invoke intl: already enabled for apache2 SAPI
Setting up php5-mysql (5.5.9+dfsg-1ubuntu4.7) ...
php5_invoke mysql: already enabled for cli SAPI
php5_invoke mysql: already enabled for apache2 SAPI
php5_invoke mysqli: already enabled for cli SAPI
php5_invoke mysqli: already enabled for apache2 SAPI
php5_invoke pdo_mysql: already enabled for cli SAPI
php5_invoke pdo_mysql: already enabled for apache2 SAPI
Setting up php5-cli (5.5.9+dfsg-1ubuntu4.7) ...
php5_invoke mysqli: already enabled for cli SAPI
php5_invoke pdo_mysql: already enabled for cli SAPI
php5_invoke mysql: already enabled for cli SAPI
php5_invoke opcache: already enabled for cli SAPI
php5_invoke: Enable module cusotm for cli SAPI
php5_invoke readline: already enabled for cli SAPI
php5_invoke pdo: already enabled for cli SAPI
php5_invoke: Enable module custom for cli SAPI
php5_invoke intl: already enabled for cli SAPI
php5_invoke mcrypt: already enabled for cli SAPI
php5_invoke sqlite3: already enabled for cli SAPI
php5_invoke json: already enabled for cli SAPI
php5_invoke gd: already enabled for cli SAPI
php5_invoke pdo_sqlite: already enabled for cli SAPI
Setting up php5-readline (5.5.9+dfsg-1ubuntu4.7) ...
php5_invoke readline: already enabled for cli SAPI
php5_invoke readline: already enabled for apache2 SAPI
Setting up apache2-bin (2.4.7-1ubuntu4.4) ...
Setting up apache2-data (2.4.7-1ubuntu4.4) ...
Setting up apache2 (2.4.7-1ubuntu4.4) ...
* Restarting web server apache2
[ OK ]

```

New package installed after `sudo apt-get dist-upgrade` was typed into terminal.

```
rarjune@sandbox:~$ sudo apt-get dist-upgrade
```

```

linux-headers-3.13.0-48 linux-headers-3.13.0-48-generic
linux-image-3.13.0-48-generic linux-image-extra-3.13.0-48-generic

```

Linux patches were updated successfully.

```
Setting up linux-image-extra-3.13.0-48-generic (3.13.0-48.80) ...
run-parts: executing /etc/kernel/postinst.d/apt-auto-removal 3.13.0-48-generic /boot/
linux-3.13.0-48-generic
run-parts: executing /etc/kernel/postinst.d/dkms 3.13.0-48-generic /boot/vmlinuz-3.1
-48-generic
run-parts: executing /etc/kernel/postinst.d/initramfs-tools 3.13.0-48-generic /boot/
inuz-3.13.0-48-generic
update-initramfs: Generating /boot/initrd.img-3.13.0-48-generic
run-parts: executing /etc/kernel/postinst.d/update-notifier 3.13.0-48-generic /boot/
inuz-3.13.0-48-generic
run-parts: executing /etc/kernel/postinst.d/zz-update-grub 3.13.0-48-generic /boot/v
nuz-3.13.0-48-generic
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-3.13.0-48-generic
Found initrd image: /boot/initrd.img-3.13.0-48-generic
Found linux image: /boot/vmlinuz-3.13.0-46-generic
Found initrd image: /boot/initrd.img-3.13.0-46-generic
Found linux image: /boot/vmlinuz-3.13.0-32-generic
Found initrd image: /boot/initrd.img-3.13.0-32-generic
Found memtest86+ image: /memtest86+.elf
Found memtest86+ image: /memtest86+.bin
done
Setting up linux-image-generic (3.13.0.48.55) ...
Setting up linux-headers-3.13.0-48 (3.13.0-48.80) ...
Setting up linux-headers-3.13.0-48-generic (3.13.0-48.80) ...
Examining /etc/kernel/header_postinst.d.
run-parts: executing /etc/kernel/header_postinst.d/dkms 3.13.0-48-generic /boot/vmlin
-3.13.0-48-generic
Setting up linux-headers-generic (3.13.0.48.55) ...
Setting up linux-generic (3.13.0.48.55) ...
Setting up linux-headers-virtual (3.13.0.48.55) ...
```