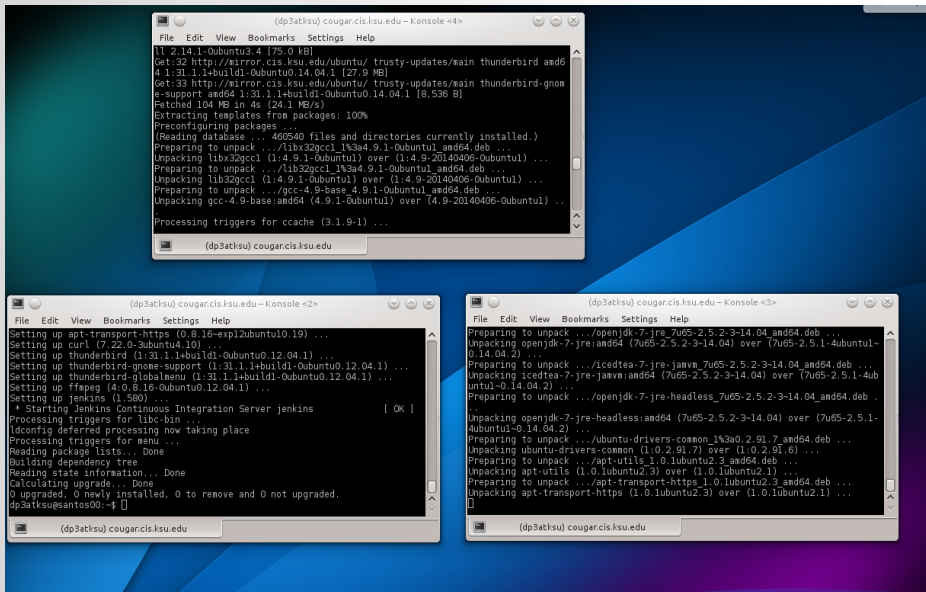


# Linux Update Manager

Devon Peel

# Current Set Up



```
(dp3atksu) cougar.cis.ksu.edu - Kons
File Edit View Bookmarks Settings Help

The following packages were automatically installed and are no longer require
d:
  libann0 libfltk-images1.3 liboce-foundation8 liboce-modeling8
Use 'apt-get autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
dp3atksu@santos14:~$ cat /common/admin/ubuntu/bin/trusty/update_santos.sh
#!/bin/bash

# Treat unset variables as an error
set -o nounset

PATH="/usr/bin:/usr/sbin:/bin:/sbin"

# Update the package lists
dselect update > /dev/null
apt-get update > /dev/null

# Preapprove proprietary licenses
/usr/bin/debconf-set-selections /common/admin/ubuntu/package-lists/trusty/0*

# Reset the CIS Custom Package List
cat /common/admin/ubuntu/package-lists/trusty/[123459]* | dpkg --set-selectio
ns

if [ -e /etc/apt/90localpkgs ];
then
    cat /etc/apt/90localpkgs | dpkg --set-selections
fi

# Perform an install on the selections
DEBIAN_FRONTEND='noninteractive' apt-get -y --force-yes dselect-upgrade

# Perform the final upgrade on any remaining un-upgraded pkgs
DEBIAN_FRONTEND='noninteractive' apt-get -y --force-yes dist-upgrade
dp3atksu@santos14:~$
```

# Terms

KVM - Kernel Virtual Machine

Configuration Management - Cfengine, Puppet

Package Manager - Apt-get, Yum, Ports

Apache

Print Server

DNS

DHCP

AD Mirror

KVM/Ganeti

# Goals

- Allow Administrator to verify certain updates, and ignore others
- Warn the Administrator of necessary daemon restarts and system restarts
- Integrate with configuration manager, Puppet, Chef, Cfengine
- Alert administrator that update failed and automatically reinstall the working version

# Tools

- Vim
- Cfengine
- Python
- Bash
- Apt-get



```
#!/bin/bash
```