

Filename: compTIA-linuxxk0004-11-2-1-managing_software_with_yum

Show Name: CompTIA Linux+ (XK0-004)

Topic: Managing Packages and Software

Episode Name: Managing Software with Yum

Description: In this episode, Zach and Don focus on supporting Red Hat, CentOS and Fedora. Specifically, they demonstrate how to perform system updates and install software from the vendor repositories. They wrap up by showing how to install software from third-party vendors that are not found in the vendor repos.

Managing Software with Yum/DNF

[?] What is the difference between yum and dnf?

- `yum` is the "Yellowdog Update Manager"
- `dnf` is "Dandified YUM"
- Basic syntax is identical between the two
- `dnf` improvements:
 - Fully documented API
 - Better dependency handling

[?] Where does the software we're installing actually come from?

- Repositories
 - Defined in `/etc/yum.repos.d/*`
 - Eventually will move to `/etc/dnf/dnf.conf`

[?] Can we see the list of software available in the repo?

- Finding software
 - `yum list httpd` (search by name)
 - `yum search httpd` (search by keyword)
- Viewing information about a package
 - `yum info httpd`

[?] Once we have found our software, how do we install it?

- Installing software
 - `yum install httpd`

[?] What if the software we want isn't in the repo?

1. Add the new repository to reposd
 - `vi /etc/yum.repos.d/webmin.repo`
2. Import the signing key
 - `wget http://www.webmin.com/jcameron-key.asc`
 - `rpm --import jcameron-key.asc`
3. Install the new software
 - `yum install webmin`

```
[Webmin]
name=Webmin Distribution Neutral
#baseurl=http://download.webmin.com/download/yum
mirrorlist=http://download.webmin.com/download/yum/mirrorlist
enabled=1
```

[?] Does yum automatically update software when new versions are released?

- Perform updates
 - `sudo yum update -y`

[?] How can we remove software if we no longer need it?

- Removing software
 - `dnf remove httpd`
 - `dnf autoremove`
 - `yum erase httpd`