

CS 497: Assignment 3

Abstract

Using your Ubuntu virtual machine, update all installed software and install Google Chrome from the official Google Chrome stable repository.

Assignment

Using your Ubuntu virtual machine, complete the following tasks using only the bash shell. All activities must be done using the Linux command prompt in the bash shell.

Provide a single document detailing the activity, including your process, methods, and results. All screenshots should be nicely resized and annotated. Your document should show what you did, how you did it, display the results, and explain what happened.

Include all of the commands used during your work in separate text file to be included with your submission.

Activity

Use the Apt package management system to install Google Chrome from the official Google Chrome stable repository.

Package Management

Save a backup of the sources file:

```
sudo cp /etc/apt/sources.list /etc/apt/sources.list.backup
```

View the contents of the /etc/apt/sources.list file

```
cat /etc/apt/sources.list
```

Confirm that you have the following repos: main, universe, restricted, multiverse
Find the release name or version of your distribution in this file.

Also get the release from the command prompt.

```
lsb_release -sc
```

(Also show where this can be found using the GUI)

Now that sources are selected, update the system.

```
apt-get update
```

Add a PPA for Google Chrome

Download the required public key for Google

```
wget -q -O - https://dl.google.com/linux/linux_signing_key.pub | sudo apt-key add -
```

Now add the repository

```
sudo sh -c 'echo "deb [arch=amd64] http://dl.google.com/linux/chrome/deb/ stable  
main" >> /etc/apt/sources.list.d/google.list'
```

Update the local cache

```
sudo apt-get update
```

Install Google Chrome Stable

```
sudo apt install google-chrome-stable
```

Launch Google Chrome from the command prompt

```
google-chrome &
```

Review the contents of the /etc/apt/sources.d/google.list file.

Conclusion

In addition to your conclusion, add the following:

First, research the Yum package management system. Compare and contrast the apt-get system used in Ubuntu with the Yum system found in Red Hat Linux distributions.

Deliverables

A document with detailing your process, methods, and results. This includes annotated screenshots. Clearly detail your work in a reproducible way following the provided sample format.

Additionally, submit all text files created for this assignment. Attach these files to your submission. Do not zip, tar, or archive.

Additionally, submit a single text file with all of the commands used for this assignment. One command per line. This should be complete and organized in order of use.

Upload these files to Canvas before the deadline.