

# Continued Setup (Repo Locations)

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## Repository Overview

A Linux repository is a storage location from which your system retrieves and installs OS updates and applications. Each repository is a collection of software hosted on a remote server and intended to be used for installing and updating software packages on Linux systems

## Objectives

This tutorial will teach you how view the Linux default repositories as well as modify them

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## Updating CentOS

It is always a good idea to check for updates before installing repos.

 sudo yum update

- This command will update installed software

```
[dave@localhost ~]$ sudo yum update
[sudo] password for dave:
Loaded plugins: fastestmirror, langpacks
Loading mirror speeds from cached hostfile
 * base: mirror.umd.edu
 * extras: mirror.centos.iad1.serverforge.org
 * updates: mirrors.greenmountainaccess.net
base                                         | 3.6 kB  00:00:00
extras                                        | 2.9 kB  00:00:00
updates                                       | 2.9 kB  00:00:00
No packages marked for update
[dave@localhost ~]$ _
```

## Updating Ubuntu✓

It is always a good idea to check for updates before installing repos.

ⓘ sudo apt-get update

- This command will update installed software

```
dave@acme:~$ sudo apt-get update
E: Invalid operation upgate
dave@acme:~$ sudo apt-get update
Hit:1 http://us.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://us.archive.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:5 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1,750 kB]
Get:6 http://us.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [325 kB]
Get:7 http://us.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [15.0 kB]
Get:8 http://us.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [947 kB]
Get:9 http://us.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [135 kB]
Get:10 http://us.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 c-n-f Metadata [528 kB]
Get:11 http://us.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [920 kB]
Get:12 http://us.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [206 kB]
Get:13 http://us.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [20.6 kB]
Get:14 http://us.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 Packages [24.4 kB]
Get:15 http://us.archive.ubuntu.com/ubuntu focal-updates/multiverse Translation-en [7,336 B]
Get:16 http://us.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 c-n-f Metadata [592 B]
Get:17 http://us.archive.ubuntu.com/ubuntu focal-backports/main amd64 Packages [42.2 kB]
Get:18 http://us.archive.ubuntu.com/ubuntu focal-backports/main Translation-en [10.1 kB]
Get:19 http://us.archive.ubuntu.com/ubuntu focal-backports/main amd64 c-n-f Metadata [864 B]
Get:20 http://us.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [22.7 kB]
Get:21 http://us.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [15.5 kB]
Get:22 http://us.archive.ubuntu.com/ubuntu focal-backports/universe amd64 c-n-f Metadata [804 B]
Get:23 http://us.archive.ubuntu.com/ubuntu focal-security/main amd64 Packages [1,422 kB]
Get:24 http://us.archive.ubuntu.com/ubuntu focal-security/main Translation-en [246 kB]
Get:25 http://us.archive.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [10.1 kB]
Get:26 http://us.archive.ubuntu.com/ubuntu focal-security/restricted amd64 Packages [886 kB]
Get:27 http://us.archive.ubuntu.com/ubuntu focal-security/restricted Translation-en [126 kB]
Get:28 http://us.archive.ubuntu.com/ubuntu focal-security/restricted amd64 c-n-f Metadata [532 B]
Get:29 http://us.archive.ubuntu.com/ubuntu focal-security/universe amd64 Packages [700 kB]
Get:30 http://us.archive.ubuntu.com/ubuntu focal-security/universe Translation-en [124 kB]
Get:31 http://us.archive.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [14.4 kB]
Fetched 8,309 kB in 2s (3,364 kB/s)
Reading package lists... Done
dave@acme:~$
```

## Repository Locations CentOS✓

ⓘ yum repolist all

- This command will list all repositories.

repo	repo name	status	repo	repo name	status
C7_0.1800-base	x86_64	CentOS-7.8.1406 - Base	C7_4.1700-updates	x86_64	CentOS-7.4.1700 - Updates
Loaded plugins: fastestmirror, langpacks		disabled	C7_5.1800-base	x86_64	CentOS-7.5.1800 - Base
Determining fastest mirrors		disabled	C7_5.1800-centosplus	x86_64	CentOS-7.5.1800 - CentOSPlus
* base: mirror.dal.nexrill.net		disabled	C7_5.1800-extras	x86_64	CentOS-7.5.1800 - Extras
* extras: mirror.wcl.us.leaseweb.net		disabled	C7_5.1800-fasttrack	x86_64	CentOS-7.5.1800 - Fasttrack
* updates: mirror.greennountainaccess.net		disabled	C7_5.1800-updates	x86_64	CentOS-7.5.1800 - Updates
repolist: 136		disabled	C7_6.1810-base	x86_64	CentOS-7.6.1810 - Base
C7_0.1800-base	x86_64	CentOS-7.8.1406 - Base	C7_6.1810-centosplus	x86_64	CentOS-7.6.1810 - CentOSPlus
C7_0.1800-centosplus	x86_64	CentOS-7.8.1406 - CentOSPlus	C7_6.1810-extras	x86_64	CentOS-7.6.1810 - Extras
C7_0.1800-extras	x86_64	CentOS-7.8.1406 - Extras	C7_6.1810-fasttrack	x86_64	CentOS-7.6.1810 - Fasttrack
C7_0.1800-updates	x86_64	CentOS-7.8.1406 - Updates	C7_6.1810-updates	x86_64	CentOS-7.6.1810 - Updates
C7_1.1800-base	x86_64	CentOS-7.8.1406 - Base	C7_7.1900-base	x86_64	CentOS-7.7.1900 - Base
C7_1.1800-centosplus	x86_64	CentOS-7.8.1406 - CentOSPlus	C7_7.1900-centosplus	x86_64	CentOS-7.7.1900 - CentOSPlus
C7_1.1800-extras	x86_64	CentOS-7.8.1406 - Extras	C7_7.1900-extras	x86_64	CentOS-7.7.1900 - Extras
C7_1.1800-fasttrack	x86_64	CentOS-7.8.1406 - Fasttrack	C7_7.1900-fasttrack	x86_64	CentOS-7.7.1900 - Fasttrack
C7_1.1800-updates	x86_64	CentOS-7.8.1406 - Updates	C7_7.1900-updates	x86_64	CentOS-7.7.1900 - Updates
C7_2.1511-base	x86_64	CentOS-7.2.1511 - Base	C7_8.2003-base	x86_64	CentOS-7.8.2003 - Base
C7_2.1511-centosplus	x86_64	CentOS-7.2.1511 - CentOSPlus	C7_8.2003-centosplus	x86_64	CentOS-7.8.2003 - CentOSPlus
C7_2.1511-extras	x86_64	CentOS-7.2.1511 - Extras	C7_8.2003-extras	x86_64	CentOS-7.8.2003 - Extras
C7_2.1511-fasttrack	x86_64	CentOS-7.2.1511 - Fasttrack	C7_8.2003-fasttrack	x86_64	CentOS-7.8.2003 - Fasttrack
C7_2.1511-updates	x86_64	CentOS-7.2.1511 - Updates	C7_8.2003-updates	x86_64	CentOS-7.8.2003 - Updates
C7_3.1611-base	x86_64	CentOS-7.3.1611 - Base	base-debuginfo	x86_64	CentOS-7 - Debuginfo
C7_3.1611-centosplus	x86_64	CentOS-7.3.1611 - CentOSPlus	base-source	/	CentOS-7 - Base Sources
C7_3.1611-extras	x86_64	CentOS-7.3.1611 - Extras	c7-media		CentOS-7 - Media
C7_3.1611-fasttrack	x86_64	CentOS-7.3.1611 - Fasttrack	centos-kernel	/x86_64	CentOS LTS Kernels for x86_64
C7_3.1611-updates	x86_64	CentOS-7.3.1611 - Updates	centos-kernel-experimental	/x86_64	CentOS Experimental Kernels for x86_64
C7_4.1700-base	x86_64	CentOS-7.4.1700 - Base	centos-lts	/x86_64	CentOS LTS
C7_4.1700-centosplus	x86_64	CentOS-7.4.1700 - CentOSPlus	centosplus-source	/	CentOS Plus Sources
C7_4.1700-extras	x86_64	CentOS-7.4.1700 - Extras	cr	/x86_64	CentOS-7 - cr
C7_4.1700-fasttrack	x86_64	CentOS-7.4.1700 - Fasttrack	extras	/x86_64	CentOS-7 - Extras
C7_4.1700-updates	x86_64	CentOS-7.4.1700 - Updates	fasttrack	/x86_64	CentOS-7 - Fasttrack
C7_5.1800-base	x86_64	CentOS-7.5.1804 - Base	updates	/x86_64	CentOS-7 - Updates
C7_5.1800-centosplus	x86_64	CentOS-7.5.1804 - CentOSPlus	update-source	/	CentOS-7 - Updates Sources
C7_5.1800-extras	x86_64	CentOS-7.5.1804 - Extras	repolist	:136	CentOS-7 - repolist: 136
C7_5.1800-fasttrack	x86_64	CentOS-7.5.1804 - Fasttrack	dave@localhost: ~		
C7_5.1800-updates	x86_64	CentOS-7.5.1804 - Updates			

## Repository Locations Ubuntu✓

- This command will list all repositories.

```
500 http://us.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages
    release v=20.04,o=Ubuntu,a=focal,n=focal,l=Ubuntu,c=multiverse,b=amd64
    origin us.archive.ubuntu.com
500 http://us.archive.ubuntu.com/ubuntu focal/universe amd64 Packages
    release v=20.04,o=Ubuntu,a=focal,n=focal,l=Ubuntu,c=universe,b=amd64
    origin us.archive.ubuntu.com
500 http://us.archive.ubuntu.com/ubuntu focal/restricted amd64 Packages
    release v=20.04,o=Ubuntu,a=focal,n=focal,l=Ubuntu,c=restricted,b=amd64
    origin us.archive.ubuntu.com
500 http://us.archive.ubuntu.com/ubuntu focal/main amd64 Packages
    release v=20.04,o=Ubuntu,a=focal,n=focal,l=Ubuntu,c=main,b=amd64
    origin us.archive.ubuntu.com
Pinned packages:
(END)
```

## Example of command line

## Example of command line code

## Ubuntu Repository Modifications✓

- i sudo add-apt-repo multiverse
  - sudo add-apt-repo universe
  - sudo add-apt-repo restricted

- This command will enable a repo of choice.

ⓘ sudo add-apt-repo --remove multiverse  
sudo add-apt-repo --remove universe  
sudo add-apt-repo --remove restricted

- This command will disable a repo of choice.

## CentOS Repository Modifications ✓

ⓘ sudo yum-config-manager --enable "repo"

- This command will enable a repo of choice.

ⓘ sudo yum-config-manager --disable "repo"

- This command will disable a repo of choice.

## Citations 📚

Repository Overview

<https://www.networkworld.com/article/3305810/how-to-list-repositories-on-linux.html>

PDF Template

[slite.com](#)

## Technical Support Contact Information 💬

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