

Continued Setup (Repo Locations)

Current Date: 2022-03-23

David Belmont

ACME CORP

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


Table of Contents ⚓

TABLE OF CONTENTS

- Repository Overview 🧐
- Objectives 🎯
- Table of Contents ⚓
- Updating CentOS ✓
- Updating Ubuntu ✓
- Repository Locations CentOS ✓
- Repository Locations Ubuntu ✓
- Ubuntu Repository Modifications ✓
- CentOS Repository Modifications ✓
- Citations 🧑
- Technical Support Contact Information 💬

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 update
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 B]
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.

```

[dave@localhost ~]$ yum repolist all
Loaded plugins: fastestmirror, langpacks
Determining fastest mirrors
 * base: mirror.dal.norill.net
 * extras: mirror.wdc1.us.leaseweb.net
 * updates: mirrors.greenmountainaccess.net

repo id                               repo name                               status
C7.0.1406-base/x86_64                 CentOS-7.0.1406 - Base                 disabled
C7.0.1406-centosplus/x86_64           CentOS-7.0.1406 - CentOSPlus          disabled
C7.0.1406-extras/x86_64               CentOS-7.0.1406 - Extras              disabled
C7.0.1406-fasttrack/x86_64            CentOS-7.0.1406 - Fasttrack           disabled
C7.0.1406-updates/x86_64              CentOS-7.0.1406 - Updates             disabled
C7.1.1503-base/x86_64                 CentOS-7.1.1503 - Base                disabled
C7.1.1503-centosplus/x86_64           CentOS-7.1.1503 - CentOSPlus          disabled
C7.1.1503-extras/x86_64               CentOS-7.1.1503 - Extras              disabled
C7.1.1503-fasttrack/x86_64            CentOS-7.1.1503 - Fasttrack           disabled
C7.1.1503-updates/x86_64              CentOS-7.1.1503 - Updates             disabled
C7.2.1511-base/x86_64                 CentOS-7.2.1511 - Base                disabled
C7.2.1511-centosplus/x86_64           CentOS-7.2.1511 - CentOSPlus          disabled
C7.2.1511-extras/x86_64               CentOS-7.2.1511 - Extras              disabled
C7.2.1511-fasttrack/x86_64            CentOS-7.2.1511 - Fasttrack           disabled
C7.2.1511-updates/x86_64              CentOS-7.2.1511 - Updates             disabled
C7.3.1611-base/x86_64                 CentOS-7.3.1611 - Base                disabled
C7.3.1611-centosplus/x86_64           CentOS-7.3.1611 - CentOSPlus          disabled
C7.3.1611-extras/x86_64               CentOS-7.3.1611 - Extras              disabled
C7.3.1611-fasttrack/x86_64            CentOS-7.3.1611 - Fasttrack           disabled
C7.3.1611-updates/x86_64              CentOS-7.3.1611 - Updates             disabled
C7.4.1708-base/x86_64                 CentOS-7.4.1708 - Base                disabled
C7.4.1708-centosplus/x86_64           CentOS-7.4.1708 - CentOSPlus          disabled
C7.4.1708-extras/x86_64               CentOS-7.4.1708 - Extras              disabled
C7.4.1708-fasttrack/x86_64            CentOS-7.4.1708 - Fasttrack           disabled
C7.4.1708-updates/x86_64              CentOS-7.4.1708 - Updates             disabled
C7.5.1804-base/x86_64                 CentOS-7.5.1804 - Base                disabled
C7.5.1804-centosplus/x86_64           CentOS-7.5.1804 - CentOSPlus          disabled
C7.5.1804-extras/x86_64               CentOS-7.5.1804 - Extras              disabled
C7.5.1804-fasttrack/x86_64            CentOS-7.5.1804 - Fasttrack           disabled
C7.5.1804-updates/x86_64              CentOS-7.5.1804 - Updates             disabled
C7.4.1708-updates/x86_64              CentOS-7.4.1708 - Updates             disabled
C7.5.1804-base/x86_64                 CentOS-7.5.1804 - Base                disabled
C7.5.1804-centosplus/x86_64           CentOS-7.5.1804 - CentOSPlus          disabled
C7.5.1804-extras/x86_64               CentOS-7.5.1804 - Extras              disabled
C7.5.1804-fasttrack/x86_64            CentOS-7.5.1804 - Fasttrack           disabled
C7.5.1804-updates/x86_64              CentOS-7.5.1804 - Updates             disabled
C7.6.1810-base/x86_64                 CentOS-7.6.1810 - Base                disabled
C7.6.1810-centosplus/x86_64           CentOS-7.6.1810 - CentOSPlus          disabled
C7.6.1810-extras/x86_64               CentOS-7.6.1810 - Extras              disabled
C7.6.1810-fasttrack/x86_64            CentOS-7.6.1810 - Fasttrack           disabled
C7.6.1810-updates/x86_64              CentOS-7.6.1810 - Updates             disabled
C7.7.1908-base/x86_64                 CentOS-7.7.1908 - Base                disabled
C7.7.1908-centosplus/x86_64           CentOS-7.7.1908 - CentOSPlus          disabled
C7.7.1908-extras/x86_64               CentOS-7.7.1908 - Extras              disabled
C7.7.1908-fasttrack/x86_64            CentOS-7.7.1908 - Fasttrack           disabled
C7.7.1908-updates/x86_64              CentOS-7.7.1908 - Updates             disabled
C7.8.2003-base/x86_64                 CentOS-7.8.2003 - Base                disabled
C7.8.2003-centosplus/x86_64           CentOS-7.8.2003 - CentOSPlus          disabled
C7.8.2003-extras/x86_64               CentOS-7.8.2003 - Extras              disabled
C7.8.2003-fasttrack/x86_64            CentOS-7.8.2003 - Fasttrack           disabled
C7.8.2003-updates/x86_64              CentOS-7.8.2003 - Updates             disabled
base-source/7                         base-source/7                         enabled: 18,072
base-debuginfo/x86_64                 base-debuginfo/x86_64                disabled
c7-media                               c7-media                             disabled
centos-kernel/7/x86_64                 centos-kernel/7/x86_64                disabled
centos-kernel-experimental/7/x86_64    centos-kernel-experimental/7/x86_64   disabled
centosplus/7/x86_64                   centosplus/7/x86_64                  disabled
centosplus-source/7                   centosplus-source/7                  disabled
cp/7/x86_64                            cp/7/x86_64                          disabled
extras-source/7                       extras-source/7                       disabled
fasttrack/7/x86_64                     fasttrack/7/x86_64                    disabled
updates-source/7                       updates-source/7                      disabled
repolist: 14,309
[dave@localhost ~]$

```

Repository Locations Ubuntu

 `sudo apt-cache policy | less`

- This command will list all repositories.

```


Package files:
500 http://us.archive.ubuntu.com/ubuntu focal-security/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-security/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-security/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-security/main amd64 Packages
release v=20.04,o=Ubuntu,a=focal,n=focal,l=Ubuntu,c=main,b=amd64
origin us.archive.ubuntu.com
500 http://us.archive.ubuntu.com/ubuntu focal-backports/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-backports/main amd64 Packages
release v=20.04,o=Ubuntu,a=focal,n=focal,l=Ubuntu,c=main,b=amd64
origin us.archive.ubuntu.com
500 http://us.archive.ubuntu.com/ubuntu focal-updates/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-updates/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-updates/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-updates/main amd64 Packages
release v=20.04,o=Ubuntu,a=focal,n=focal,l=Ubuntu,c=main,b=amd64
origin us.archive.ubuntu.com
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
Pinned packages:
(END)

```


Example of command line

Example of command line code

Ubuntu Repository Modifications


 `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

David Belmont

 00288849@student.necc.edu