

## Yum repo Documents

```
[root@localhost ~]# lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
sda          8:0    0   20G  0 disk
├─sda1       8:1    0    1G  0 part /boot
├─sda2       8:2    0   19G  0 part
│   └─cs-root 253:0    0   17G  0 lvm  /
│       └─cs-swap 253:1    0    2G  0 lvm  [SWAP]
sr0         11:0    1   8.1G  0 rom   /run/media/santhosh/CentOS-Stream-9-BaseOS-x86_64
```

```
[root@localhost ~]# cd /etc/yum.repos.d/
[root@localhost yum.repos.d]# ls -l
total 12
-rw-r--r--. 1 root root 4229 Mar  3  2022 centos-addons.repo
-rw-r--r--. 1 root root 2588 Mar  3  2022 centos.repo
[root@localhost yum.repos.d]# mkdir /iso
[root@localhost yum.repos.d]# mv centos* /iso
[root@localhost yum.repos.d]# mount /dev/sr0 /iso
mount: /iso: WARNING: source write-protected, mounted read-only.
[root@localhost yum.repos.d]# cd /iso
[root@localhost iso]# mkdir -p /var/ftp/santhosh/AppStream
[root@localhost iso]# mkdir -p /var/ftp/santhosh/BaseOS
[root@localhost iso]# cp -rv AppStream/Packages/ /var/ftp/santhosh/AppStream/
```

```
'AppStream/Packages/yelp-libs-40.3-2.el9.i686.rpm' -> '/var/ftp/santhosh/AppStream/Packages/yelp-libs-40.3-2.el9.i686.rpm'
'AppStream/Packages/yelp-libs-40.3-2.el9.x86_64.rpm' -> '/var/ftp/santhosh/AppStream/Packages/yelp-libs-40.3-2.el9.x86_64.rpm'
'AppStream/Packages/yelp-tools-40.0-3.el9.noarch.rpm' -> '/var/ftp/santhosh/AppStream/Packages/yelp-tools-40.0-3.el9.noarch.rpm'
'AppStream/Packages/yelp-xsl-40.2-1.el9.noarch.rpm' -> '/var/ftp/santhosh/AppStream/Packages/yelp-xsl-40.2-1.el9.noarch.rpm'
'AppStream/Packages/zenity-3.32.0-8.el9.x86_64.rpm' -> '/var/ftp/santhosh/AppStream/Packages/zenity-3.32.0-8.el9.x86_64.rpm'
'AppStream/Packages/zlib-devel-1.2.11-33.el9.i686.rpm' -> '/var/ftp/santhosh/AppStream/Packages/zlib-devel-1.2.11-33.el9.i686.rpm'
'AppStream/Packages/zlib-devel-1.2.11-33.el9.x86_64.rpm' -> '/var/ftp/santhosh/AppStream/Packages/zlib-devel-1.2.11-33.el9.x86_64.rpm'
'AppStream/Packages/zram-generator-0.3.2-7.el9.x86_64.rpm' -> '/var/ftp/santhosh/AppStream/Packages/zram-generator-0.3.2-7.el9.x86_64.rpm'
'AppStream/Packages/zziplib-0.13.71-9.el9.i686.rpm' -> '/var/ftp/santhosh/AppStream/Packages/zziplib-0.13.71-9.el9.i686.rpm'
'AppStream/Packages/zziplib-0.13.71-9.el9.x86_64.rpm' -> '/var/ftp/santhosh/AppStream/Packages/zziplib-0.13.71-9.el9.x86_64.rpm'
'AppStream/Packages/zziplib-utils-0.13.71-9.el9.x86_64.rpm' -> '/var/ftp/santhosh/AppStream/Packages/zziplib-utils-0.13.71-9.el9.x86_64.rpm'
```

```
[root@localhost iso]# cp -rv BaseOS/Packages/ /var/ftp/santhosh/BaseOS/
```

```
'BaseOS/Packages/xz-libs-5.2.5-8.el9.x86_64.rpm' -> '/var/ftp/santhosh/BaseOS/Packages/xz-libs-5.2.5-8.el9.x86_64.rpm'
'BaseOS/Packages/yum-4.12.0-3.el9.noarch.rpm' -> '/var/ftp/santhosh/BaseOS/Packages/yum-4.12.0-3.el9.noarch.rpm'
'BaseOS/Packages/yum-utils-4.1.0-2.el9.noarch.rpm' -> '/var/ftp/santhosh/BaseOS/Packages/yum-utils-4.1.0-2.el9.noarch.rpm'
'BaseOS/Packages/zip-3.0-33.el9.x86_64.rpm' -> '/var/ftp/santhosh/BaseOS/Packages/zip-3.0-33.el9.x86_64.rpm'
'BaseOS/Packages/zlib-1.2.11-33.el9.i686.rpm' -> '/var/ftp/santhosh/BaseOS/Packages/zlib-1.2.11-33.el9.i686.rpm'
'BaseOS/Packages/zlib-1.2.11-33.el9.x86_64.rpm' -> '/var/ftp/santhosh/BaseOS/Packages/zlib-1.2.11-33.el9.x86_64.rpm'
'BaseOS/Packages/zsh-5.8-9.el9.x86_64.rpm' -> '/var/ftp/santhosh/BaseOS/Packages/zsh-5.8-9.el9.x86_64.rpm'
'BaseOS/Packages/zstd-1.5.1-2.el9.x86_64.rpm' -> '/var/ftp/santhosh/BaseOS/Packages/zstd-1.5.1-2.el9.x86_64.rpm'
```

```
[root@localhost iso]# cd /iso/AppStream/Packages
[root@localhost Packages]# rpm -ivh createrepo_c-
createrepo_c-0.17.7-4.el9.x86_64.rpm createrepo_c-libs-0.17.7-4.el9.x86_64.rpm
createrepo_c-libs-0.17.7-4.el9.i686.rpm
```

```
[root@localhost Packages]# rpm -ivh createrepo_c-0.17.7-4.el9.x86_64.rpm createrepo_c-libs-0.17.7-4.el9.x86_64.rpm
warning: createrepo_c-0.17.7-4.el9.x86_64.rpm: Header V3 RSA/SHA256 Signature, key ID 8483c65d: NOKEY
Verifying... ##### [100%]
Preparing... ##### [100%]
Updating / installing...
 1:createrepo_c-libs-0.17.7-4.el9 ##### [ 50%]
 2:createrepo_c-0.17.7-4.el9 ##### [100%]
```

```
[root@localhost Packages]# createrepo -v /var/ftp/santhosh/AppStream/Packages
```

```
Directory walk done - 5412 packages
Temporary output repo path: /var/ftp/santhosh/AppStream/Packages/.repodata/
11:00:18: Creating .xml.gz files
11:00:18: Setting number of packages
Preparing sqlite DBs
11:00:18: Creating databases
11:00:18: Thread pool user data ready
Pool started (with 5 workers)
Pool finished
11:01:26: Generating repomd.xml
11:01:35: Old repodata doesn't exist: Cannot rename /var/ftp/santhosh/AppStream/Packages/repodata/ -> /var/ftp/santhosh/AppStream/Packages/repodata.old.33173.20240503110135.547989: No such file or directory
11:01:35: Renamed /var/ftp/santhosh/AppStream/Packages/.repodata/ -> /var/ftp/santhosh/AppStream/Packages/repodata/
11:01:35: Memory cleanup
11:01:35: All done
```

```
[root@localhost Packages]# createrepo -v /var/ftp/santhosh/BaseOS/Packages
```

```
Directory walk done - 1136 packages
Temporary output repo path: /var/ftp/santhosh/Base0S/Packages/.repodata/
11:03:11: Creating .xml.gz files
11:03:11: Setting number of packages
Preparing sqlite DBs
11:03:11: Creating databases
11:03:11: Thread pool user data ready
Pool started (with 5 workers)
Pool finished
11:03:23: Generating repomd.xml
11:03:26: Old repodata doesn't exists: Cannot rename /var/ftp/santhosh/Base0S/Packages/repodata/ -> /var/ftp/santhosh/Base0S/Packages/repodata.old.33214.20240503110326.576096: No such file or directory
11:03:26: Renamed /var/ftp/santhosh/Base0S/Packages/.repodata/ -> /var/ftp/santhosh/Base0S/Packages/repodata/
11:03:26: Memory cleanup
11:03:26: All done
```

```
[root@localhost Packages]# cd /etc/yum.repos.d/
[root@localhost yum.repos.d]# vi local.repo
```

```
[Localrepo_Base0S]
name=Localrepo_Base0S
baseurl=file:///var/ftp/santhosh/Base0S/Packages
enabled=1
gpgcheck=0

[Localrepo_AppStream]
name=Localrepo_AppStream
baseurl=file:///var/ftp/santhosh/AppStream/Packages
enabled=1
gpgcheck=0
```

```
[root@localhost yum.repos.d]# yum clean all
10 files removed
[root@localhost yum.repos.d]# yum repolist all
```

repo id	repo name	status
Localrepo_AppStream	Localrepo_AppStream	enabled
Localrepo_Base0S	Localrepo_Base0S	enabled

```
[root@localhost yum.repos.d]# yum install samba
```

	Localrepo_Base0S	Localrepo_AppStream
	53 MB/s   1.6 MB	00:00
	51 MB/s   5.9 MB	00:00

```
Last metadata expiration check: 0:00:01 ago on Friday 03 May 2024 11:18:37 AM.
Dependencies resolved.
```

Package	Architecture	Version	Repository	Size
Installing:				
samba	x86_64	4.16.4-100.el9	Localrepo_Base0S	1.5 M
Installing dependencies:				
python3-dns	noarch	2.1.0-6.el9	Localrepo_Base0S	389 k
python3-ldb	x86_64	2.5.2-1.el9	Localrepo_Base0S	55 k
python3-samba	x86_64	4.16.4-100.el9	Localrepo_Base0S	3.3 M
python3-talloc	x86_64	2.3.3-1.el9	Localrepo_Base0S	22 k
python3-tdb	x86_64	1.4.6-1.el9	Localrepo_Base0S	23 k
python3-tevent	x86_64	0.12.0-0.el9	Localrepo_Base0S	20 k
samba-common-tools	x86_64	4.16.4-100.el9	Localrepo_Base0S	468 k
samba-libs	x86_64	4.16.4-100.el9	Localrepo_Base0S	144 k
tdb-tools	x86_64	1.4.6-1.el9	Localrepo_Base0S	36 k

```
Transaction Summary
=====
Install 10 Packages

Total size: 5.9 M
Installed size: 27 M
Is this ok [y/N]: y
Downloading Packages:
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
```

```
Running transaction
Preparing : 1/1
Installing : samba-libs-4.16.4-100.el9.x86_64 1/10
Installing : python3-tdb-1.4.6-1.el9.x86_64 2/10
Installing : python3-ldb-2.5.2-1.el9.x86_64 3/10
Installing : tdb-tools-1.4.6-1.el9.x86_64 4/10
Installing : python3-tevent-0.12.0-0.el9.x86_64 5/10
Installing : python3-talloc-2.3.3-1.el9.x86_64 6/10
Installing : python3-dns-2.1.0-6.el9.noarch 7/10
Installing : samba-4.16.4-100.el9.x86_64 8/10
Running scriptlet: samba-4.16.4-100.el9.x86_64 8/10
Installing : python3-samba-4.16.4-100.el9.x86_64 9/10
Installing : samba-common-tools-4.16.4-100.el9.x86_64 10/10
Running scriptlet: samba-common-tools-4.16.4-100.el9.x86_64 10/10
Verifying : python3-dns-2.1.0-6.el9.noarch 1/10
Verifying : python3-ldb-2.5.2-1.el9.x86_64 2/10
Verifying : python3-samba-4.16.4-100.el9.x86_64 3/10
Verifying : python3-talloc-2.3.3-1.el9.x86_64 4/10
Verifying : python3-tdb-1.4.6-1.el9.x86_64 5/10
Verifying : python3-tevent-0.12.0-0.el9.x86_64 6/10
Verifying : samba-4.16.4-100.el9.x86_64 7/10
Verifying : samba-common-tools-4.16.4-100.el9.x86_64 8/10
Verifying : samba-libs-4.16.4-100.el9.x86_64 9/10
Verifying : tdb-tools-1.4.6-1.el9.x86_64 10/10

Installed:
python3-dns-2.1.0-6.el9.noarch python3-ldb-2.5.2-1.el9.x86_64 python3-samba-4.16.4-100.el9.x86_64
python3-talloc-2.3.3-1.el9.x86_64 python3-tdb-1.4.6-1.el9.x86_64 python3-tevent-0.12.0-0.el9.x86_64
samba-4.16.4-100.el9.x86_64 samba-common-tools-4.16.4-100.el9.x86_64 samba-libs-4.16.4-100.el9.x86_64
tdb-tools-1.4.6-1.el9.x86_64

Complete!
```