

## How to Create Yum Repository For System Packages Installation in CentOS/RHEL

By [admin \(https://www.thegeekdiary.com/author/sandeep\\_patil/\)](https://www.thegeekdiary.com/author/sandeep_patil/)

A yum repository holds the rpms and metadata about the rpms. A yum repository must be configured in order to use yum on any yum based Linux system. This post provides steps to configure a yum repository for installing packages on CentOS/RHEL systems.

### Configuring yum repository server

1. Create a directory for you local repository, e.g. **/home/mypackage\_dir/repository**. Move the RPMs into that directory.

```
# cp /media/packages/* /home/mypackage_dir/repo
```

2. Fix some ownership and filesystem permissions:

```
# chown -R root.root /home/mypackage_dir/repo
```

3. Install the createrepo package if not installed yet, and run

```
# createrepo /home/mypackage_dir/repo
# chmod -R o-w+r /home/mypackage_dir/repo
```

4. Create a repository configuration file, e.g. **/etc/yum.repos.d/customrepo.repo** containing:

```
[local]
name=My RPM System Package Repo
```

```
name=My RPM System Package Repo
baseurl=file:///home/mypackage_dir/repository
enabled=1
gpgcheck=0
```

5. Install your package using yum command like below, replace package\_name with the package you want to install and locate on mypackage\_dir/repository:

```
# yum install package_name
```

**Note:** If there is requirement to use same repository on multiple nodes. The below instructions given for patching a DB node with patch channels packages.

6. To use the yum repository configured on node1 on node2 through http url please follow the below instructions.

```
# yum install httpd
# ln -s /var/www/html/repo /home/mypackage_dir/repo
# service httpd start
```

Then in a web browser access the URL [http://\[node1-ip\]/repo](http://[node1-ip]/repo)

## Configuring yum Client Server

In node 2 configure .repo file as below.

```
[node1-repo]
name=My RPM System Package Repo
baseurl=http:///repo
enabled=1
gpgcheck=0
```

Then run the below command on node2 followed by yum update to update the machine.

```
# yum repolist  
# yum update
```

## YOU MAY ALSO LIKE