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## CentOS / Redhat: Protect Yum Repo's Packages

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How do I protect my yum repo's packages from certain repositories getting replaced / updated via yum command itself under CentOS / RHEL / Redhat Enterprise Linux?

You need to install the **yum-protectbase** plugin package:

This plugin allows certain repositories to be protected. Packages in the protected repositories can't be overridden by packages in non-protected repositories even if the non-protected repo has a later version.



[2]



[1]

## Step # 1: Install yum-protectbase

Type the following command as the root user:

```
# yum install yum-protectbase
```

Sample outputs:

```
Loaded plugins: downloadonly, rhnplugin, security, verify
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package yum-protectbase.noarch 0:1.1.16-13.el5 set to be updated
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version
Installing:		
yum-protectbase	noarch	1.1.16-13.el5

Transaction Summary

Install	1 Package(s)
Update	0 Package(s)
Remove	0 Package(s)

Total download size: 11 k

Is this ok [y/N]: y

Downloading Packages:

yum-protectbase-1.1.16-13.el5.noarch.rpm

Running rpm\_check\_debug

Running Transaction Test

Finished Transaction Test

Transaction Test Succeeded

Running Transaction

Installing : yum-protectbase

Installed:

yum-protectbase.noarch 0:1.1.16-13.el5

Complete!

## Step #2: Enable Plugin

Edit /etc/yum/pluginconf.d/protectbase.conf, enter:

```
# vi /etc/yum/pluginconf.d/protectbase.conf
```

Make sure enabled is set to 1:

```
[main]
enabled = 1
```

Save and close the file.

## How Do I Protect Base Repo?

Change directory to /etc/yum.repos.d, enter:

```
# cd /etc/yum.repos.d
# ls -l
```

Sample outputs:

```
total 16
-rw-r--r-- 1 root root 954 Apr 25 2008 epel.repo
-rw-r--r-- 1 root root 1054 Apr 25 2008 epel-testing.repo
-rw-r--r-- 1 root root 254 Aug 4 03:24 rhel-debuginfo.repo
-rw-r--r-- 1 root root 235 Mar 3 2009 rhel-src.repo
```

You can also use the yum repolist command to display repo lists:

```
# yum repolist
```

```
Loaded plugins: downloadonly, protectbase, rhnplugin, security, verify
repo id                                repo name
epel                                   Extra Packages for Enterprise Linux 5
rhel-src                              Red Hat Enterprise Linux 5Server
rhel-x86_64-server-5                  Red Hat Enterprise Linux (v. 5 for
rhel-x86_64-server-vt-5               RHEL Virtualization (v. 5 for 64
repolist: 15,612
```

To protect epel.repo repository, edit epel.repo file, enter:

```
# vi epel.repo
```

Add protect = 1 to each repo section as follows:

```
[epel]
name=Extra Packages for Enterprise Linux 5 - $basearch
#baseurl=http://download.fedoraproject.org/pub/epel/5/$basearch
mirrorlist=http://mirrors.fedoraproject.org/mirrorlist?repo=epel-5&arch=$basearch
failovermethod=priority
enabled=1
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL
protect = 1

[epel-debuginfo]
name=Extra Packages for Enterprise Linux 5 - $basearch - Debug
#baseurl=http://download.fedoraproject.org/pub/epel/5/$basearch/debug
mirrorlist=http://mirrors.fedoraproject.org/mirrorlist?repo=epel-debug-5&arch=$basearch
failovermethod=priority
enabled=0
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL
gpgcheck=1

[epel-source]
```

```
name=Extra Packages for Enterprise Linux 5 - $basearch - Source
#baseurl=http://download.fedoraproject.org/pub/epel/5/SRPMS
mirrorlist=http://mirrors.fedoraproject.org/mirrorlist?repo=epel-source-5&arch=$basearch
failovermethod=priority
enabled=0
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-EPEL
gpgcheck=1
```

Save and close the file. Now epel repo will be protected and will not be updated by newer packages from unprotected repositories.

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