

CentOS 7 Repo Fix and Update Commands Documentation

1. Checking Internet Connectivity

```
ping -c 4 google.com
```

- Result: Confirmed working internet connection.

2. Cleaning YUM Cache

```
sudo yum clean all  
sudo yum makecache
```

- Problem: Repositories failing due to old/invalid URLs. - Fix: Cleared cache to remove stale repo data.

3. Listing Existing Repositories

```
ls /etc/yum.repos.d/
```

- Checked existing repo files.

4. Backup and Edit Base Repo

```
sudo cp /etc/yum.repos.d/CentOS-Base.repo /etc/yum.repos.d/CentOS-Base.repo.bak  
sudo vi /etc/yum.repos.d/CentOS-Base.repo
```

- Issue: Old mirrors failing. - Fix: Updated to vault URLs for CentOS 7.9.

Updated `CentOS-Base.repo`

```
[base]  
name=CentOS-7 - Base  
baseurl=http://vault.centos.org/7.9.2009/os/$basearch/  
gpgcheck=1  
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7  
enabled=1
```

```
exclude=postgresql*
```

[updates]

```
name=CentOS-7 - Updates
```

```
baseurl=http://vault.centos.org/7.9.2009/updates/$basearch/
```

```
gpgcheck=1
```

```
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7
```

```
enabled=1
```

```
exclude=postgresql*
```

[extras]

```
name=CentOS-7 - Extras
```

```
baseurl=http://vault.centos.org/7.9.2009/extras/$basearch/
```

```
gpgcheck=1
```

```
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7
```

```
enabled=1
```

[centosplus]

```
name=CentOS-7 - Plus
```

```
baseurl=http://vault.centos.org/7.9.2009/centosplus/$basearch/
```

```
gpgcheck=1
```

```
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7
```

```
enabled=0
```

5. Removing Broken PostgreSQL Repo Files

```
sudo rm -f /etc/yum.repos.d/pgdg-10-centos.repo  
sudo rm -f /etc/yum.repos.d/pgdg-11-centos.repo
```

- Problem: YUM failing due to multiple PostgreSQL repos. - Fix: Removed old/broken repo files.

6. Checking for Duplicate Repositories

```
sudo yum repolist all
```

- Problem: Repo `pgdg10` listed more than once. - Fix: Cleaned duplicate files.

7. Cleaning Proxy Settings

```
# One-liner to remove proxy from shell, yum.conf, and /etc/environment  
unset http_proxy https_proxy ftp_proxy  
sudo sed -i '/proxy/d' /etc/yum.conf
```

```
sudo sed -i '/http_proxy/d;/https_proxy/d;/ftp_proxy/d' /etc/environment  
source /etc/environment
```

- Issue: Proxy settings preventing external downloads. - Fix: Removed all proxy configurations.

8. Force Enabling CA Trust

```
sudo update-ca-trust force-enable
```

- Reason: Ensure HTTPS downloads work with updated certificates.

9. Attempting PostgreSQL Repo Installation

```
sudo yum install -y https://download.postgresql.org/pub/repos/yum/13/redhat/  
rhel-7-x86_64/pgdg-redhat-repo-latest.noarch.rpm
```

- Problem: HTTPS Error 404 / Connection refused. - Fix: After removing proxy and cleaning URLs, connection should succeed.

10. Verifying Installed Packages

```
sudo yum list installed | grep postgresql
```

Notes & Fix Summary

- Old CentOS mirrors were updated to vault URLs.
- Broken PostgreSQL repos were removed and planned upgrade to PostgreSQL 13 repo.
- Proxy settings removed globally.
- YUM cache cleaned multiple times to ensure correct metadata.
- Internet connection verified via ping.
- CA certificates ensured with `update-ca-trust`.

End of Document