

## Failed to download metadata for repo 'AppStream' [CentOS]

Written by BiRU

Wednesday, 31 August 2022 18:18 -

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I had installed a minimalist CentOS 8 on one of my servers. Installation went successful, however, when I tried to update the system using yum update I see this error message: Failed to download metadata for repo. Below is the complete error.

```
[root@autocontroller ~]# yum update CentOS-8 - AppStream 70 B/s | 38 B 00:00 Error:
Failed to download metadata for repo 'AppStream': Cannot prepare internal mirrorlist: No URLs
in mirrorlist
```

Output from the /var/log/dnf.log for more DEBUG information:

```
2022-02-02T11:39:36Z DEBUG error: Curl error (6): Couldn't resolve host name for
http://mirrorlist.centos.org/?release=8&arch=x86_64&repo=AppStream&infra=stock [Could not
resolve host: mirrorlist.centos.org]
(http://mirrorlist.centos.org/?release=8&arch=x86_64&repo=AppStream&infra=stock).
2022-02-02T11:39:36Z WARNING Errors during downloading metadata for repository
'AppStream': - Curl error (6): Couldn't resolve host name for
http://mirrorlist.centos.org/?release=8&arch=x86_64&repo=AppStream&infra=stock [Could not
resolve host: mirrorlist.centos.org] 2022-02-02T11:39:36Z DDEBUG Cleaning up.
2022-02-02T11:39:36Z SUBDEBUG Traceback (most recent call last): File
"/usr/lib/python3.6/site-packages/dnf/repo.py", line 573, in load ret = self._repo.load() File
"/usr/lib64/python3.6/site-packages/libdnf/repo.py", line 394, in load return
_repo.Repo_load(self) RuntimeError: Failed to download metadata for repo 'AppStream':
Cannot prepare internal mirrorlist: Curl error (6): Couldn't resolve host name for
http://mirrorlist.centos.org/?release=8&arch=x86_64&repo=AppStream&infra=stock [Could not
resolve host: mirrorlist.centos.org]
```

But, then verified with the internet connection and DNS and it works just fine as below:

```
[root@autocontroller ~]# ping google.com PING google.com (172.217.166.206) 56(84) bytes
of data. 64 bytes from del03s13-in-f14.1e100.net (172.217.166.206): icmp_seq=1 ttl=115 ti
me=43.5 ms --- google.com ping statistics --- 1 packets transmitted, 1 received, 0% packet
loss, time 0ms rtt min/avg/max/mdev = 43.508/43.508/43.508/0.000 ms
```

So how did I fix the issue? Here it is.

## Fix Failed to download metadata for repo

[CentOS Linux 8 had reached the End Of Life \(EOL\)](#) on December 31st, 2021. It means that

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CentOS 8 will no longer receive development resources from the official CentOS project. After Dec 31st, 2021, if you need to update your CentOS, you need to change the mirrors to

[vault.centos.org](https://vault.centos.org)

where they will be archived permanently. Alternatively, you may want to

[upgrade to CentOS Stream](#)

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**Step 1:** Go to the /etc/yum.repos.d/ directory.

```
[root@autocontroller ~]# cd /etc/yum.repos.d/
```

**Step 2:** Run the below commands

```
[root@autocontroller ~]# sed -i 's/mirrorlist/#mirrorlist/g' /etc/yum.repos.d/CentOS-*  
[root@autocontroller ~]# sed -i  
's|#baseurl=http://mirror.centos.org|baseurl=http://vault.centos.org|g' /etc/yum.repos.d/CentOS-*
```

**Step 3:** Now run the yum update

```
[root@autocontroller ~]# yum update -y
```

That's it!