

CentOS7 系统配置国内 yum 源和 epel 源

1.首先进入/etc/yum.repos.d/目录下，新建一个 repo_bak 目录，用于保存系统中原来的 repo 文件

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

```
[root@bogon yum.repos.d]# mkdir repo_bak
```

```
[root@bogon yum.repos.d]# mv *.repo repo_bak/
```

2.在 CentOS 中配置使用网易和阿里的开源镜像

到网易和阿里开源镜像站点下载系统对应版本的 repo 文件

```
[root@bogon yum.repos.d]# wget http://mirrors.aliyun.com/repo/Centos-7.repo
```

```
[root@bogon yum.repos.d]# wget http://mirrors.163.com/.help/CentOS7-Base-163.repo
```

```
[root@bogon yum.repos.d]# ls
```

Centos-7.repo CentOS-Base-163.repo repo.bak

或者手动下载 repo 文件并上传到/etc/yum.repos.d/目录

网易开源镜像站

阿里开源镜像站

3.清除系统 yum 缓存并生成新的 yum 缓存

```
[root@bogon yum.repos.d]# ls # 列出/etc/yum.repos.d/目录下的文件
```

Centos-7.repo CentOS-Base-163.repo repo.bak

```
[root@bogon yum.repos.d]# yum clean all # 清除系统所有的 yum 缓存
```

Loaded plugins: fastestmirror, langpacks

Repository base is listed more than once in the configuration

Repository updates is listed more than once in the configuration

Repository extras is listed more than once in the configuration

Repository centosplus is listed more than once in the configuration

Cleaning repos: base extras updates

Cleaning up everything

Cleaning up list of fastest mirrors

```
[root@bogon yum.repos.d]# yum makecache # 生成 yum 缓存
```

Loaded plugins: fastestmirror, langpacks

Repository base is listed more than once in the configuration

Repository updates is listed more than once in the configuration

Repository extras is listed more than once in the configuration

Repository centosplus is listed more than once in the configuration

base | 3.6 kB

00:00:00

extras | 3.4 kB

00:00:00

updates | 3.4 kB

00:00:00

(1/12): base/7/x86_64/filelists_db | 6.7 MB 00:00:02

```

(2/12): base/7/x86_64/group_gz | 156 kB 00:00:02
(3/12): base/7/x86_64/other_db | 2.5 MB 00:00:01
(4/12): base/7/x86_64/primary_db | 5.7 MB 00:00:02
(5/12): extras/7/x86_64/prestodelta | 51 kB 00:00:01
(6/12): extras/7/x86_64/filelists_db | 494 kB 00:00:02
(7/12): extras/7/x86_64/other_db | 86 kB 00:00:00
(8/12): extras/7/x86_64/primary_db | 130 kB 00:00:01
(9/12): updates/7/x86_64/prestodelta | 406 kB 00:00:01
(10/12): updates/7/x86_64/filelists_db | 2.1 MB 00:00:01
(11/12): updates/7/x86_64/other_db | 354 kB 00:00:00
(12/12): updates/7/x86_64/primary_db | 3.6 MB 00:00:01

```

Determining fastest mirrors

Metadata Cache Created

4.安装 epel 源

```
[root@bogon yum.repos.d]# yum list | grep epel-release
```

Repository base is listed more than once in the configuration

Repository updates is listed more than once in the configuration

Repository extras is listed more than once in the configuration

Repository centosplus is listed more than once in the configuration

```
epel-release.noarch          7-9          extras
```

```
[root@bogon yum.repos.d]# yum install -y epel-release
```

Loaded plugins: fastestmirror, langpacks

Repository base is listed more than once in the configuration

Repository updates is listed more than once in the configuration

Repository extras is listed more than once in the configuration

Repository centosplus is listed more than once in the configuration

Loading mirror speeds from cached hostfile

Resolving Dependencies

--> Running transaction check

---> Package epel-release.noarch 0:7-9 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

```

=====
=====
Package                               Arch          Version          Repository
Size
=====
=====
Installing:
  epel-release                        noarch        7-9              extras
14 k

```

Transaction Summary

```

=====
=====
Install 1 Package

```

```
Total download size: 14 k
Installed size: 24 k
Downloading packages:
epel-release-7-9.noarch.rpm | 14 kB
00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing                               : epel-release-7-9.noarch
1/1
  Verifying                               : epel-release-7-9.noarch
1/1

Installed:
  epel-release.noarch 0:7-9
```

Complete!

```
[root@bogon yum.repos.d]# ls          # epel 源安装成功，比原来多了一个 epel.repo 和 epel-testing.repo 文件
Centos-7.repo  CentOS-Base-163.repo  epel.repo  epel-testing.repo  repo.bak
5.使用阿里开源镜像提供的 epel 源
[root@bogon yum.repos.d]# wget -O /etc/yum.repos.d/epel-7.repo http://mirrors.aliyun.com/repo/epel-7.repo
# 下载阿里开源镜像的 epel 源文件
--2018-03-08 20:22:14-- http://mirrors.aliyun.com/repo/epel-7.repo
Resolving mirrors.aliyun.com (mirrors.aliyun.com)... 183.2.199.237, 113.96.109.95, 113.96.109.93, ...
Connecting to mirrors.aliyun.com (mirrors.aliyun.com)|183.2.199.237|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1084 (1.1K) [application/octet-stream]
Saving to: '/etc/yum.repos.d/epel-7.repo'
```

```
100%[=====
=====>] 1,084      --.-K/s   in 0s
```

2018-03-08 20:22:14 (130 MB/s) - '/etc/yum.repos.d/epel-7.repo' saved [1084/1084]

```
[root@bogon yum.repos.d]# ls
CentOS7-Base-163.repo  Centos-7.repo  epel-7.repo  epel.repo  epel-testing.repo  repo_bak
```

6.再次清除系统 yum 缓存，并重新生成新的 yum 缓存

```
[root@bogon yum.repos.d]# yum clean all
Loaded plugins: fastestmirror, langpacks
Repository base is listed more than once in the configuration
Repository updates is listed more than once in the configuration
Repository extras is listed more than once in the configuration
Repository centosplus is listed more than once in the configuration
Repository epel is listed more than once in the configuration
Repository epel-debuginfo is listed more than once in the configuration
Repository epel-source is listed more than once in the configuration
Cleaning repos: base epel extras updates
```

Cleaning up everything
Cleaning up list of fastest mirrors

```
[root@bogon yum.repos.d]# yum makecache
```

Loaded plugins: fastestmirror, langpacks

Repository base is listed more than once in the configuration

Repository updates is listed more than once in the configuration

Repository extras is listed more than once in the configuration

Repository centosplus is listed more than once in the configuration

Repository epel is listed more than once in the configuration

Repository epel-debuginfo is listed more than once in the configuration

Repository epel-source is listed more than once in the configuration

base	
3.6 kB 00:00:00	
epel	
4.7 kB 00:00:00	
extras	
3.4 kB 00:00:00	
updates	
3.4 kB 00:00:00	
(1/18):	base/7/x86_64/group_gz
156 kB 00:00:01	
(2/18):	base/7/x86_64/filelists_db
6.7 MB 00:00:07	
(3/18):	base/7/x86_64/primary_db
5.7 MB 00:00:06	
(4/18):	epel/x86_64/group_gz
266 kB 00:00:01	
(5/18):	epel/x86_64/updateinfo
899 kB 00:00:02	
(6/18):	epel/x86_64/prestodelta
7.1 kB 00:00:00	
(7/18):	base/7/x86_64/other_db
2.5 MB 00:00:05	
(8/18):	epel/x86_64/primary_db
6.3 MB 00:00:04	
(9/18):	extras/7/x86_64/filelists_db
636 kB 00:00:00	
(10/18):	extras/7/x86_64/primary_db
166 kB 00:00:00	
(11/18):	extras/7/x86_64/other_db
108 kB 00:00:00	
(12/18):	extras/7/x86_64/prestodelta
102 kB 00:00:01	
(13/18):	epel/x86_64/other_db
3.0 MB 00:00:01	
(14/18):	epel/x86_64/filelists_db
10 MB 00:00:09	
(15/18):	updates/7/x86_64/filelists_db

```
| 3.5 MB 00:00:02
(16/18): updates/7/x86_64/prestodelta
| 771 kB 00:00:02
(17/18): updates/7/x86_64/other_db
| 621 kB 00:00:00
(18/18): updates/7/x86_64/primary_db
| 6.0 MB 00:00:03
```

Determining fastest mirrors

* epel: mirrors.aliyun.com

Metadata Cache Created

7.查看系统可用的 yum 源和所有的 yum 源

```
[root@bogon yum.repos.d]# yum repolist enabled
```

Loaded plugins: fastestmirror, langpacks

Repository base is listed more than once in the configuration

Repository updates is listed more than once in the configuration

Repository extras is listed more than once in the configuration

Repository centosplus is listed more than once in the configuration

Repository epel is listed more than once in the configuration

Repository epel-debuginfo is listed more than once in the configuration

Repository epel-source is listed more than once in the configuration

Loading mirror speeds from cached hostfile

* epel: mirrors.aliyun.com

repo id	repo name
status	
base/7/x86_64	CentOS-7 - Base - 163.com
9,591	
epel/x86_64	Extra Packages for Enterprise Linux 7 - x86_64
12,382	
extras/7/x86_64	CentOS-7 - Extras - 163.com
390	
updates/7/x86_64	CentOS-7 - Updates - 163.com
1,941	
repolist: 24,304	

```
[root@bogon yum.repos.d]# yum repolist all
```

Loaded plugins: fastestmirror, langpacks

Repository base is listed more than once in the configuration

Repository updates is listed more than once in the configuration

Repository extras is listed more than once in the configuration

Repository centosplus is listed more than once in the configuration

Repository epel is listed more than once in the configuration

Repository epel-debuginfo is listed more than once in the configuration

Repository epel-source is listed more than once in the configuration

Loading mirror speeds from cached hostfile

* epel: mirrors.aliyun.com

repo id	repo name
status	
base/7/x86_64	CentOS-7 - Base - 163.com
enabled: 9,591	

centosplus/7/x86_64	CentOS-7 - Plus - 163.com
disabled	
contrib/7/x86_64	CentOS-7 - Contrib - mirrors.aliyun.com
disabled	
epel/x86_64	Extra Packages for Enterprise Linux 7 - x86_64
enabled: 12,382	
epel-debuginfo/x86_64	Extra Packages for Enterprise Linux 7 - x86_64 - Debug
disabled	
epel-source	Extra Packages for Enterprise Linux 7 - x86_64 - Source
disabled	
epel-testing/x86_64	Extra Packages for Enterprise Linux 7 - Testing - x86_64
disabled	
epel-testing-debuginfo/x86_64	Extra Packages for Enterprise Linux 7 - Testing - x86_64 - Debug
disabled	
epel-testing-source/x86_64	Extra Packages for Enterprise Linux 7 - Testing - x86_64 - Source
disabled	
extras/7/x86_64	CentOS-7 - Extras - 163.com
enabled: 390	
updates/7/x86_64	CentOS-7 - Updates - 163.com
enabled: 1,941	
repolist: 24,304	