http://www.cnblogs.com/nidey/p/6200685.html

1背景

由于开发环境只有局域网，没法使用网上的各种YUM源，来回拷贝rpm包安装麻烦，还得解决依赖问题。

想着搭建个本地/局域网YUM源，方便自己跟同事安装软件。

2环境

[root@min-base ~]# cat /etc/redhat-release

CentOS Linux release 7.2.1511 (Core)

并且是Minimal Install。

3安装

3.1本地YUM源

3.1.1 ISO源

准备rpm包

挂载CentOS-7-x86\_64-Everything-1511.iso，把里面所有文件都拷贝到本地目录/yum/yum-iso

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[root@min-base ~]# mkdir /mnt/yum-iso

[root@min-base ~]# mount /dev/cdrom /mnt/yum-iso/

mount: /dev/sr0 is write-protected, mounting read-only

[root@min-base ~]# mkdir /yum/

[root@min-base ~]# cp -a /mnt/yum-iso/ /yum/

[root@min-base ~]# ll /yum/

total 4

dr-xr-xr-x. 8 root root 4096 Dec 10 2015 yum-iso

[root@min-base ~]# ll /yum/yum-iso/

total 640

-r--r--r--. 1 root root 14 Dec 10 2015 CentOS\_BuildTag

dr-xr-xr-x. 3 root root 33 Dec 10 2015 EFI

-r--r--r--. 1 root root 215 Dec 10 2015 EULA

-r--r--r--. 1 root root 18009 Dec 10 2015 GPL

dr-xr-xr-x. 3 root root 69 Dec 10 2015 images

dr-xr-xr-x. 2 root root 4096 Dec 10 2015 isolinux

dr-xr-xr-x. 2 root root 41 Dec 10 2015 LiveOS

dr-xr-xr-x. 2 root root 483328 Dec 10 2015 Packages

dr-xr-xr-x. 2 root root 4096 Dec 10 2015 repodata

-r--r--r--. 1 root root 1690 Dec 10 2015 RPM-GPG-KEY-CentOS-7

-r--r--r--. 1 root root 1690 Dec 10 2015 RPM-GPG-KEY-CentOS-Testing-7

-r--r--r--. 1 root root 2883 Dec 10 2015 TRANS.TBL

[root@min-base ~]#

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备份、移除其他repo

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[root@min-base ~]# cd /etc/yum.repos.d/

[root@min-base yum.repos.d]# ll

-rw-r--r--. 1 root root 1664 Dec 9 2015 CentOS-Base.repo

-rw-r--r--. 1 root root 1309 Dec 9 2015 CentOS-CR.repo

-rw-r--r--. 1 root root 649 Dec 9 2015 CentOS-Debuginfo.repo

-rw-r--r--. 1 root root 290 Dec 9 2015 CentOS-fasttrack.repo

-rw-r--r--. 1 root root 630 Dec 9 2015 CentOS-Media.repo

-rw-r--r--. 1 root root 1331 Dec 9 2015 CentOS-Sources.repo

-rw-r--r--. 1 root root 1952 Dec 9 2015 CentOS-Vault.repo

[root@min-base yum.repos.d]# tar zcvf repo-bk.tar.gz CentOS-\*

CentOS-Base.repo

CentOS-CR.repo

CentOS-Debuginfo.repo

CentOS-fasttrack.repo

CentOS-Media.repo

CentOS-Sources.repo

CentOS-Vault.repo

[root@min-base yum.repos.d]# rm -f CentOS-Base.repo CentOS-CR.repo CentOS-Debuginfo.repo CentOS-fasttrack.repo CentOS-Sources.repo CentOS-Vault.repo

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配置本地repo

[root@min-base yum.repos.d]# vi CentOS-Media.repo

填入如下内容

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[c7-media]

name=CentOS-$releasever - Media

baseurl=file:///yum/yum-iso/

gpgcheck=0

enabled=1

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

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注释：配置repo路径、关闭gbp校验、启用这个repo

制作cache

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[root@min-base yum.repos.d]# yum clean all

Loaded plugins: fastestmirror

Cleaning repos: c7-media

Cleaning up everything

Cleaning up list of fastest mirrors

[root@min-base yum.repos.d]# yum makecache

Loaded plugins: fastestmirror

c7-media | 3.6 kB 00:00:00

(1/4): c7-media/group\_gz | 155 kB 00:00:00

(2/4): c7-media/primary\_db | 5.3 MB 00:00:00

(3/4): c7-media/filelists\_db | 6.2 MB 00:00:00

(4/4): c7-media/other\_db | 2.3 MB 00:00:00

Determining fastest mirrors

Metadata Cache Created

[root@min-base yum.repos.d]#

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这样就可以使用yum安装软件啦

复制代码

[root@min-base yum.repos.d]# yum groupinstall "Development tools"

Loaded plugins: fastestmirror

There is no installed groups file.

Maybe run: yum groups mark convert (see man yum)

Loading mirror speeds from cached hostfile

Resolving Dependencies

--> Running transaction check

---> Package autoconf.noarch 0:2.69-11.el7 will be installed

--> Processing Dependency: perl >= 5.006 for package: autoconf-2.69-11.el7.noarch

--> Processing Dependency: m4 >= 1.4.14 for package: autoconf-2.69-11.el7.noarch

--> Processing Dependency: perl(warnings) for package: autoconf-2.69-11.el7.noarch

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或者

复制代码

[root@min-base yum.repos.d]# yum install tree

Loaded plugins: fastestmirror

Loading mirror speeds from cached hostfile

Resolving Dependencies

--> Running transaction check

---> Package tree.x86\_64 0:1.6.0-10.el7 will be installed

--> Finished Dependency Resolution

复制代码

3.1.2 自定义YUM源

[root@min-base yum.repos.d]# yum -y install createrepo

准备rpm包

（需要自己确定依赖包）、目录。这里使用tree做演示。

[root@min-base ~]# mkdir -p /yum/yum-custom/packages

[root@min-base ~]# cp tree-1.6.0-10.el7.x86\_64.rpm /yum/yum-custom/packages/

创建repo

复制代码

[root@min-base ~]# createrepo -u -d /yum/yum-custom/

Spawning worker 0 with 1 pkgs

Spawning worker 1 with 0 pkgs

Workers Finished

Saving Primary metadata

Saving file lists metadata

Saving other metadata

Generating sqlite DBs

Sqlite DBs complete

[root@min-base ~]# ll /yum/yum-custom/

total 4

drwxr-xr-x. 2 root root 41 Dec 20 07:03 packages

drwxr-xr-x. 2 root root 4096 Dec 20 07:08 repodata

[root@min-base ~]#

复制代码

配置自定义repo

[root@min-base ~]# vi /etc/yum.repos.d/CentOS-Media.repo

填入如下内容

复制代码

[c7-media]

name=CentOS-$releasever - Media

baseurl=file:///yum/yum-custom/

gpgcheck=0

enabled=1

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

复制代码

制作cache

复制代码

[root@min-base ~]# yum clean all

Loaded plugins: fastestmirror

Cleaning repos: c7-media

Cleaning up everything

Cleaning up list of fastest mirrors

[root@min-base ~]#

[root@min-base ~]# yum makecache

Loaded plugins: fastestmirror

c7-media | 3.0 kB 00:00:00

(1/3): c7-media/filelists\_db | 880 B 00:00:00

(2/3): c7-media/primary\_db | 1.8 kB 00:00:00

(3/3): c7-media/other\_db | 1.3 kB 00:00:00

Determining fastest mirrors

Metadata Cache Created

[root@min-base ~]#

复制代码

使用自定义repo

复制代码

[root@min-base ~]# yum install tree

Loaded plugins: fastestmirror

Loading mirror speeds from cached hostfile

Resolving Dependencies

--> Running transaction check

---> Package tree.x86\_64 0:1.6.0-10.el7 will be installed

--> Finished Dependency Resolution

复制代码

3.2 局域网YUM源

局域网YUM源可以配成：本地YUM源 + FTP服务器

这里使用自定义源yum-custom（见上面） + VSFTP演示。

下载vsftpd

[root@min-base ~]# yum -y install vsftpd

配置vsftpd

编辑vsftp.conf

[root@min-base ~]# vi /etc/vsftpd/vsftpd.conf

并增加匿名用户root目录（默认已经启用匿名访问）

anon\_root=/yum/

注意目录权限如下

复制代码

[root@min-base ~]# ll -a /yum/

total 8

drwxr-xr-x. 4 root root 37 Dec 20 07:37 .

dr-xr-xr-x. 18 root root 4096 Dec 20 06:32 ..

drwxr-xr-x. 4 root root 36 Dec 20 07:08 yum-custom

dr-xr-xr-x. 8 root root 4096 Dec 10 2015 yum-iso

复制代码

关闭selinux

临时

[root@min-base ~]# setenforce 0

或者，永久：

编辑config

[root@min-base ~]# vi /etc/selinux/config

设置

SELINUX=disabled

重启

[root@min-base ~]# reboot

启用vsftp

[root@min-base ~]# systemctl start vsftpd

[root@min-base ~]# systemctl enable vsftpd

Created symlink from /etc/systemd/system/multi-user.target.wants/vsftpd.service to /usr/lib/systemd/system/vsftpd.service.

[root@min-base ~]#

局域网使用

局域网另外一台机器min-client，

配置repo

编辑repo

[root@min-client ~]# vim /etc/yum.repos.d/CentOS-Media.repo

内容如下

复制代码

[c7-media]

name=CentOS-$releasever - Media

baseurl=ftp://192.168.118.133/yum-custom

gpgcheck=0

enabled=1

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

复制代码

其中192.168.118.133为上面vsftp服务器地址

启用这个局域网的repo

复制代码

[root@min-client ~]# yum clean all

Loaded plugins: fastestmirror

Cleaning repos: c7-media

Cleaning up everything

[root@min-client ~]# yum makecache

Loaded plugins: fastestmirror

c7-media | 3.0 kB 00:00

(1/3): c7-media/filelists\_db | 880 B 00:00

(2/3): c7-media/other\_db | 1.3 kB 00:00

(3/3): c7-media/primary\_db | 1.8 kB 00:00

Determining fastest mirrors

Metadata Cache Created

[root@min-client ~]#

复制代码

使用

复制代码

[root@min-base ~]# yum -y install tree

Loaded plugins: fastestmirror

Loading mirror speeds from cached hostfile

Resolving Dependencies

--> Running transaction check

---> Package tree.x86\_64 0:1.6.0-10.el7 will be installed

--> Finished Dependency Resolution

复制代码

目前差不多这些就够用了。以后有时间把163的YUM源爬下来，当本地源用。