搭建Cobbler装机平台

环境：centos7.4虚拟机一台，关闭防火墙、SELinux、清空iptables规则，配置好yum源

IP地址：192.168.4.1

硬件：内存2G，硬盘20G

[root@node01 ~]# unzip Cobbler.zip

[root@node01 ~]# cd Cobbler/

[root@node01 Cobbler]# unzip cobbler.zip

[root@node01 Cobbler]# cd cobbler/

#此处如果安装rpm提示冲突，需要用yum源中的rpm包替换掉已有的http、dhcp相关的rpm包

[root@node01 cobbler]# yum -y install ./\*.rpm

[root@node01 ~]# vim /etc/cobbler/settings

[root@node01 ~]# sed -rn "/^server/p" /etc/cobbler/settings

server: 192.168.4.1

[root@node01 ~]# sed -rn "/^next\_server/p" /etc/cobbler/settings

next\_server: 192.168.4.1

[root@node01 ~]# sed -rn "/^manage\_dhcp/p" /etc/cobbler/settings

manage\_dhcp: 1

[root@node01 ~]# sed -rn "/^pxe\_just/p" /etc/cobbler/settings

pxe\_just\_once: 1

[root@node01 ~]#

[root@node01 ~]# vim /etc/cobbler/dhcp.template

[root@node01 ~]# sed -rn '21,25p' /etc/cobbler/dhcp.template

subnet 192.168.4.0 netmask 255.255.255.0 {

option routers 192.168.4.254;

option domain-name-servers 192.168.4.254;

option subnet-mask 255.255.255.0;

range dynamic-bootp 192.168.4.100 192.168.4.200;

[root@node01 ~]#

[root@node01 ~]# tar -xPf Cobbler/cobbler\_boot.tar.gz

[root@node01 ~]# ls /var/lib/cobbler/

config kickstarts scripts triggers

distro\_signatures.json loaders snippets webui\_sessions

[root@node01 ~]# ls /var/lib/cobbler/loaders/

COPYING.elilo COPYING.yaboot grub-x86\_64.efi menu.c32 README

COPYING.syslinux elilo-ia64.efi grub-x86.efi pxelinux.0 yaboot

[root@node01 ~]#

[root@node01 ~]#systemctl restart httpd cobblerd tftp rsyncd

[root@node01 ~]#systemctl enable httpd cobblerd tftp rsyncd

[root@node01 ~]# cobbler sync

……

\*\*\* TASK COMPLETE \*\*\*

#连接centos系统的iso文件并导入

[root@node01 ~]# mount /dev/cdrom /mnt/

[root@node01 ~]# cobbler import --path=/mnt --name=CentOS7 --arch=x86\_64

……

\*\*\* TASK COMPLETE \*\*\*

[root@node01 ~]# ls /var/www/cobbler/ks\_mirror/

CentOS7-x86\_64 config

[root@node01 ~]# umount /mnt

#连接Redhat系统的iso文件并导入

[root@node01 ~]# mount /dev/cdrom /mnt

[root@node01 ~]# cobbler import --path=/mnt --name=RedHat7 --arch=x86\_64

……

\*\*\* TASK COMPLETE \*\*\*

[root@node01 ~]# ls /var/www/cobbler/ks\_mirror/

config RedHat7-x86\_64

#装机测试

#自定义ks文件

[root@node01 ~]# cobbler report CentOS7-x86\_64 | grep -i kickstart

Kickstart Metadata : {'tree': 'http://@@http\_server@@/cblr/links/CentOS7-x86\_64'}

Kickstart : /var/lib/cobbler/kickstarts/sample\_end.ks

Kickstart Metadata : {}

[root@node01 ~]# cobbler profile edit --distro=CentOS7-x86\_64 --name=CentOS7-x86\_64 --kickstart=/var/lib/cobbler/kickstarts/centos\_ks.cfg

[root@node01 ~]# cobbler sync

\*\*\* TASK COMPLETE \*\*\*

[root@node01 ~]# cobbler report CentOS7-x86\_64 | grep -i kickstart

Kickstart Metadata : {'tree': 'http://@@http\_server@@/cblr/links/CentOS7-x86\_64'}

Kickstart : /var/lib/cobbler/kickstarts/centos\_ks.cfg

Kickstart Metadata : {}