

pxe_

Last

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2022/03/16
01:00

https://atl.kr/dokuwiki/doku.php/pxe_%EB%A9%80%ED%8B%B0%EB%B6%80%ED%8C%85-%EC%88%98%EC%A0%95%EC%A4%91

```
firewalld, selinux disable
```

```
yum -y install *dhcp* *tftp* *httpd* *syslinux*
```

```
mkdir /var/www/html/rhel8.4 mkdir /var/www/html/rhel7.8 mkdir /var/www/html/centos8stream
```

```
cp -avr /run/media/root/RHEL-8-4-0-BaseOS-x86_64/* /var/www/html/rhel8.4/ cp -avr /run/media/root/RHEL-7.8\ Server.x86_64/* /var/www/html/rhel7.8/ cp -avr /run/media/root/CentOS-Stream-8-x86_64-dvd/* /var/www/html/centos8stream/
```

```
cp /run/media/root/RHEL-8-4-0-BaseOS-x86_64/.discinfo /var/www/html/rhel8.4/ cp /run/media/root/RHEL-8-4-0-BaseOS-x86_64/.treeinfo /var/www/html/rhel8.4/ cp /run/media/root/RHEL-7.8\ Server.x86_64/.discinfo /var/www/html/rhel7.8/ cp /run/media/root/RHEL-7.8\ Server.x86_64/.treeinfo /var/www/html/rhel7.8/ cp /run/media/root/CentOS-Stream-8-x86_64-dvd/.discinfo /var/www/html/centos8stream/ cp /run/media/root/CentOS-Stream-8-x86_64-dvd/.treeinfo /var/www/html/centos8stream/
```

```
chmod -R 755 /var/www/html/*
```

```
cp -a /usr/share/syslinux/* /var/lib/tftpboot/
```

```
mkdir /var/lib/tftpboot/rhel8.4 mkdir /var/lib/tftpboot/rhel7.8 mkdir /var/lib/tftpboot/centos8stream
```

```
cp /run/media/root/RHEL-8-4-0-BaseOS-x86_64/images/pxeboot/initrd.img /var/lib/tftpboot/rhel8.4/ cp /run/media/root/RHEL-8-4-0-BaseOS-x86_64/images/pxeboot/vmlinuz /var/lib/tftpboot/rhel8.4/ cp /run/media/root/RHEL-7.8\ Server.x86_64/images/pxeboot/vmlinuz /var/lib/tftpboot/rhel7.8/ cp /run/media/root/RHEL-7.8\ Server.x86_64/images/pxeboot/initrd.img /var/lib/tftpboot/rhel7.8/ cp /run/media/root/CentOS-Stream-8-x86_64-dvd/images/pxeboot/initrd.img /var/lib/tftpboot/centos8stream/ cp /run/media/root/CentOS-Stream-8-x86_64-dvd/images/pxeboot/vmlinuz /var/lib/tftpboot/centos8stream/
```

```
mkdir /var/lib/tftpboot/pxelinux.cfg
```

```
vim /var/lib/tftpboot/pxelinux.cfg/default
```

```
default menu.c32 prompt 0 timeout 100 ONTIMEOUT local
```

```
menu title ##### PXE BOOT MENU #####
```

```
label 1 menu label ^1) Install RHEL 8.4 kernel rhel8.4/vmlinuz append initrd=rhel8/initrd.img  
repo=http://192.168.100.10/rhel8.4
```

```
label 2 menu label ^2) Install RHEL 7.8 kernel rhel7.8/vmlinuz append initrd=rhel7.8/initrd.img  
repo=http://192.168.100.10/rhel7.8
```

```
label 3 menu label ^3) Install CentOS 8 Stream kernel centos8stream/vmlinuz append  
initrd=centos8stream/initrd.img repo=http://192.168.100.10/centos8stream
```

```
label 4 menu label ^4) Install RHEL 8.4 Kickstart kernel rhel8.4/vmlinuz append  
initrd=rhel8.4/initrd.img inst.ks=http://192.168.100.10/rhel8.4/anaconda-ks.cfg
```

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label 5 menu label ^5) Install RHEL 7.8 Kickstart kernel rhel7.8/vmlinuz append
initrd=rhel7.8/initrd.img inst.ks=<http://192.168.100.10/rhel7.8/anaconda-ks.cfg>

label 6 menu label ^6) Install CentOS 8 Stream Kickstart kernel centos8stream/vmlinuz append
initrd=centos8stream/initrd.img inst.ks=<http://192.168.100.10/centos8stream/anaconda-ks.cfg>

label 7 menu label ^7) Boot from local drive

vim /etc/dhcp/dhcpd.conf

```
# dhcpd.conf # # Sample configuration file for ISC dhcpd #
```

```
default-lease-time 600; max-lease-time 7200;
```

```
allow booting; allow bootp; authoritative;
```

```
subnet 192.168.21.0 netmask 255.255.255.0 {
```

```
    range 192.168.21.100 192.168.21.200;  
    option routers 192.168.21.2;  
    default-lease-time 21600;  
    max-lease-time 43200;  
    filename "pxelinux.0";  
    next-server 192.168.21.10;
```

```
}
```

vim /var/www/html/rhel8.4/anaconda-ks.cfg

```
#version=DEVEL # System authorization information auth -enablesshadow -passalgo=sha512 # Use  
graphical install graphical # Run the Setup Agent on first boot firstboot -enable #ignoredisk -only-  
use=sda # Keyboard layouts keyboard -vckeymap=us -xlayouts='us' # System language lang  
en_US.UTF-8 -addsupport=ko_KR.UTF-8
```

```
# Network information network -bootproto=dhcp -ipv6=auto -activate network -hostname=pxe
```

```
# Use network installation url -url="http://192.168.21.10/rhel8.4" # Root password rootpw -iscrypted  
$6$CtanAVNgDJlmvZi3$Xez6UWf49xVJNZt5qQcadcoYRgq6pfWSx0JvDLDRVzC27ZE.nmi0AfsqkmlSmk/k  
UyaMo2UqkWYKkbG3pMtUW0
```

```
# System services services -enabled="chronyd" # System timezone timezone Asia/Seoul -isUtc # X
```

```

Window System configuration information xconfig -startxonboot # System bootloader configuration
bootloader -append=" crashkernel=auto" -location=mbr # Partition clearing information clearpart
-none -initlabel # Disk partitioning information part /boot -fstype="xfs" -size=1024 part pv.145
-fstype="lvm" -grow volgroup rhel -pesize=4096 pv.145 logvol / -fstype="xfs" -size=102400
-name=root -vgname=rhel logvol swap -fstype="swap" -size=16380 -name=swap -vgname=rhel

```

```

selinux -disabled firewall -disabled

```

```

%packages @^graphical-server-environment @base @core

```

```

chrony kexec-tools

```

```

%end # ##### %packages @^minimal rhel7 @^minimal-
environment rhel8 @core chrony kexec-tools %end
#####

```

```

%addon com_redhat_kdump -enable -reserve-mb='auto'

```

```

%end

```

```

%anaconda pwpolicy root -minlen=6 -minquality=1 -notstrict -nochanges -notempty pwpolicy user
-minlen=6 -minquality=1 -notstrict -nochanges -emptyok pwpolicy luks -minlen=6 -minquality=1
-notstrict -nochanges -notempty %end

```

```

reboot

```

```

vim /var/www/html/rhel7.8/anaconda-ks.cfg vim /var/www/html/centos8stream/anaconda-ks.cfg

```

```

chmod 755 /var/www/html/rhel8.4/anaconda-ks.cfg chmod 755 /var/www/html/rhel7.8/anaconda-
ks.cfg chmod 755 /var/www/html/centos8stream/anaconda-ks.cfg

```

```

systemctl start dhcpd systemctl start httpd systemctl start tftp systemctl enable dhcpd systemctl
enable httpd systemctl enable tftp

```

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