

PXE Boot 3
..... 3
..... 3
..... 3
PXE Boot Menu 4
..... 7

PXE Boot

— 2017/02/07 09:09

DHCP가

- DHCP

```
yum install tftp-server syslinux
```

```
# tftp (/usr/share/syslinux/* )
/var/lib/tftpboot

# pxe
/var/lib/tftpboot/pxelinux.cfg/default
/var/lib/tftpboot/pxelinux.cfg/logo.png

# ISO
/var/lib/tftpboot/RHEL/7.3/x64 -> /ISO/rhel-server-7.3-x86_64-dvd.iso #
Symbolic Link
/var/lib/tftpboot/RHEL/6.8/x64 -> /ISO/rhel-server-6.8-x86_64-dvd.iso #
Symbolic Link
/var/lib/tftpboot/RHEL/5.11/x64 -> /ISO/rhel-server-5.11-x86_64-dvd.iso #
Symbolic Link
```

httpd

- httpd

```
yum install httpd
```

- Repository

```
/etc/httpd/conf.d/repo.conf
```

```
Alias /rhel/ /var/lib/tftpboot/RHEL/
```

```
Alias /centos/ /var/lib/tftpboot/CentOS/  
Alias /fedora/ /var/lib/tftpboot/Fedora/  
Alias /debian/ /var/lib/tftpboot/Debian/  
Alias /ubuntu/ /var/lib/tftpboot/Ubuntu/
```

```
<Directory "/var/lib/tftpboot">  
  Options Indexes FollowSymLinks  
  AllowOverride None  
  
  Order allow,deny  
  Allow from all  
</Directory>
```

PXE Boot Menu

pxelinux.cfg/default

```
DEFAULT vesamenu.c32  
TIMEOUT 600  
  
# 가  
PROMPT 0  
# 가  
NOESCAPE 1  
# 가  
ALLOWOPTIONS 1  
#  
ONTIMEOUT BootLocal  
  
#  
MENU TITLE LinuxDataSystem PXE  
  
#  
MENU VSHIFT 3  
#  
MENU WIDTH 50  
#  
MENU ROWS 10  
#  
MENU MARGIN 10  
#  
MENU TABMSGROW 15  
#  
MENU TIMEOUTROW 16  
  
#####  
MENU COLOR BORDER 30;44 #00000000 #00000000 none  
MENU COLOR SCROLLBAR 30;44 #00000000 #00000000 none  
MENU COLOR TITLE 0 #ffffffff #00000000 none  
MENU COLOR SEL 30;47 #40000000 #ffffffff
```

```
#
MENU BACKGROUND      pxelinux.cfg/logo.png

LABEL BootLocal
  MENU LABEL Boot from local HDD
    localboot 0
    TEXT HELP
    Boot to local hard disk
    ENDTEXT

MENU BEGIN Redhat Enterprise Linux
MENU TITLE Redhat Enterprise Linux
  LABEL Previous
  MENU LABEL Previous Menu
  TEXT HELP
  Return to previous menu
  ENDTEXT
  MENU EXIT
  MENU SEPARATOR
  MENU INCLUDE RHEL/RHEL.menu
MENU END

MENU BEGIN CentOS
MENU TITLE CentOS
  LABEL Previous
MENU LABEL Previous Menu
  TEXT HELP
  Return to previous menu
  ENDTEXT
  MENU EXIT
  MENU SEPARATOR
  MENU INCLUDE CentOS/CentOS.menu
MENU END

MENU BEGIN Fedora
MENU TITLE Fedora
  LABEL Previous
  MENU LABEL Previous Menu
  TEXT HELP
  Return to previous menu
  ENDTEXT
  MENU EXIT
  MENU SEPARATOR
  MENU INCLUDE Fedora/Fedora.menu
MENU END

MENU BEGIN Debian
MENU TITLE Debian
  LABEL Previous
  MENU LABEL Previous Menu
  TEXT HELP
```

```
Return to previous menu
ENDTEXT
MENU EXIT
MENU SEPARATOR
MENU INCLUDE Debian/Debian.menu
MENU END

MENU BEGIN Ubuntu
MENU TITLE Ubuntu
  LABEL Previous
  MENU LABEL Previous Menu
  TEXT HELP
  Return to previous menu
  ENDTEXT
  MENU EXIT
  MENU SEPARATOR
  MENU INCLUDE Ubuntu/Ubuntu.menu
MENU END

MENU BEGIN openSUSE
MENU TITLE openSUSE
  LABEL Previous
  MENU LABEL Previous Menu
  TEXT HELP
  Return to previous menu
  ENDTEXT
  MENU EXIT
  MENU SEPARATOR
  MENU INCLUDE openSUSE/openSUSE.menu
MENU END

MENU BEGIN VMware
MENU TITLE VMware
  LABEL Previous
  MENU LABEL Previous Menu
  TEXT HELP
  Return to previous menu
  ENDTEXT
  MENU EXIT
  MENU SEPARATOR
  MENU INCLUDE VMware/VMware.menu
MENU END

MENU BEGIN Tools and Utilities
MENU TITLE Tools and Utilities
  LABEL Previous
  MENU LABEL Previous Menu
  TEXT HELP
  Return to previous menu
  ENDTEXT
  MENU EXIT
```

```
        MENU SEPARATOR
        MENU INCLUDE UTIL/UTIL.menu
MENU END

MENU BEGIN DOS Based
MENU TITLE DOS Based
        LABEL Previous
        MENU LABEL Previous Menu
        TEXT HELP
        Return to previous menu
        ENDTEXT
        MENU EXIT
        MENU SEPARATOR
        MENU INCLUDE DOS/DOS.menu
MENU END
```

```
ISO . repository http
repository .
```

- RHEL6 : repo=<repository>
- RHEL5 : method=<repository>

RHEL/RHEL.menu

```
LABEL 3
        MENU LABEL RHEL 7.3 (64-bit)
        KERNEL RHEL/7.3/x64/isolinux/vmlinuz
        append initrd=RHEL/7.3/x64/isolinux/initrd.img
repo=http://192.168.222.254/rhel/7.3/x64 devfs=nomount ip=dhcp
        TEXT HELP
        Install RHEL 7.3 (64-bit)
        ENDTEXT

LABEL 2
        MENU LABEL RHEL 6.8 (64-bit)
        KERNEL RHEL/6.8/x64/isolinux/vmlinuz
        append initrd=RHEL/6.8/x64/isolinux/initrd.img
repo=http://192.168.222.254/rhel/6.8/x64 devfs=nomount ip=dhcp
        TEXT HELP
        Install RHEL 6.8 (64-bit)
        ENDTEXT

LABEL 1
        MENU LABEL RHEL 5.11 (64-bit)
        KERNEL RHEL/5.11/x64/isolinux/vmlinuz
        append initrd=RHEL/5.11/x64/isolinux/initrd.img
method=http://192.168.222.254/rhel/5.11/x64 devfs=nomount ip=dhcp
        TEXT HELP
        Install RHEL 5.11 (64-bit)
```

ENDTEXT

- [logo.png](#)

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