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Diskless Client

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PXE

```
[root@dlp ~]# yum -y install dracut-network nfs-utils
```

PXE Client

```
[root@dlp ~]# mkdir -p /var/lib/tftpboot/centos7/root
[root@dlp ~]# yum groups -y install "Server with GUI" --releasever=7 --
installroot=/var/lib/tftpboot/centos7/root/
# generate encrypted root password (remeber it)
[root@dlp ~]# python -c 'import crypt,getpass; \
print(crypt.crypt(getpass.getpass(), \
crypt.mksalt(crypt.METHOD_SHA512)))'
Password:
$6$EC1T.oKN5f3seb20$y1WLMQ7Ih4240w0n.....
[root@dlp ~]# vi /var/lib/tftpboot/centos7/root/etc/shadow
# set root password generated above
root:$6$EC1T.oKN5f3seb20$y1WLMQ7Ih4240w0n.....:16372:0:99999:7:::
[root@dlp ~]# vi /var/lib/tftpboot/centos7/root/etc/fstab
none /tmp tmpfs defaults 0 0
tmpfs /dev/shm tmpfs defaults 0 0
sysfs /sys sysfs defaults 0 0
proc /proc proc defaults 0 0

[root@dlp ~]# wget -P /var/lib/tftpboot/centos7/ \
http://mirror.centos.org/centos/7/os/x86_64/images/pxeboot/vmlinuz \
http://mirror.centos.org/centos/7/os/x86_64/images/pxeboot/initrd.img
[root@dlp ~]# vi /var/lib/tftpboot/pxelinux.cfg/default
# create new
default centos7

label centos7
kernel centos7/vmlinuz
append initrd=centos7/initrd.img
root=nfs:10.0.0.30:/var/lib/tftpboot/centos7/root rw selinux=0
```

Client NFS

```
[root@dlp ~]# vi /etc/exports
/var/lib/tftpboot/centos7/root 10.0.0.0/24(rw,no_root_squash)
```

```
[root@dlp ~]# systemctl start rpcbind nfs-server
[root@dlp ~]# systemctl enable rpcbind nfs-server
```

- https://www.server-world.info/en/note?os=CentOS_7&p=pxe&f=4

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