



root@dhcp: ~



joe@yavin: ~/s21/it3110



root@dhcp: ~



```
root@dhcp:~# echo "I am on the machine I am currently using for my dhcp/tftp server"
I am on the machine I am currently using for my dhcp/tftp server
root@dhcp:~#
```



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```
root@dhcp:~# echo "we first must create a ram disk for clients to load"
we first must create a ram disk for clients to load
root@dhcp:~#
```



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root@dhcp: ~

```
root@dhcp:~# echo "we first must create a ram disk for clients to load"
we first must create a ram disk for clients to load
root@dhcp:~# cp /etc/initramfs-tools/initramfs.conf /etc/initramfs-tools/initramfs.conf.0
root@dhcp:~# echo "Make sure to make a backup like I did above"
Make sure to make a backup like I did above
root@dhcp:~# █
```



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```
root@dhcp:~# vi /etc/initramfs-tools/initramfs.conf
```



```
#  
# COMPRESS: [ gzip | bzip2 | lz4 | lzma | lzop | xz ]  
#
```

```
COMPRESS=lz4
```

```
#  
# NFS Section of the config.  
#
```

```
#  
# DEVICE: ...  
#  
# Specify a specific network interface, like eth0  
# Overridden by optional ip= or BOOTIF= bootarg  
#
```

```
# you should check what device your nic is using  
DEVICE=ens4
```

```
#  
# NFSROOT: [ auto | HOST:MOUNT ]  
#
```



```
#  
# netboot - Add the base modules, network modules, but skip block devices.  
#  
# list - Only include modules from the 'additional modules' list  
#  
  
MODULES=netboot  
BOOT=nfs  
  
#  
# BUSYBOX: [ y | n | auto ]  
#  
# Use busybox shell and utilities. If set to n, klibc utilities will be used.  
# If set to auto (or unset), busybox will be used if installed and klibc will  
# be used otherwise.  
#  
  
BUSYBOX=auto  
  
#  
# COMPCACHE_SIZE: [ "x K" | "x M" | "x G" | "x %" ]  
#  
# Amount of RAM to use for RAM-based compressed swap space.  
#  
-- INSERT --
```



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```
root@dhcp:~# mkinitramfs -o /var/lib/tftpboot/diskless1/initrd.img
```

```
I: The initramfs will attempt to resume from /dev/sda2
```

```
I: (UUID=83579614-96e6-4370-9419-b257535cbcb0)
```

```
I: Set the RESUME variable to override this.
```

```
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```



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```
root@dhcp:~# cp /boot/vmlinuz-$(uname -r) /var/lib/tftpboot/diskless1/vmlinuz
```




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```
root@dhcp:~# echo "Copy initrd stuff back over so this machine doesn't break"
Copy initrd stuff back over so this machine doesn't break
root@dhcp:~#
```



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```
root@dhcp:~# cp /etc/initramfs-tools/initramfs.conf.0 /etc/initramfs-tools/initramfs.conf
root@dhcp:~#
```



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```
root@dhcp:~# echo "Now make all system files available via nfs"
```

```
Now make all system files available via nfs
```

```
root@dhcp:~# █
```