

# SYSLINUX configuration for CRUX Linux (Cheat Sheet)

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/dev/sda1 is already mounted as /boot and filesystem is vfat +500M

Anything in **Green** is specifically for **BIOS** and anything in **Blue** is specifically for **UEFI**

	MBR	GPT (GUID)
<b>BIOS</b>	<pre># Boot partition MUST be set with the bootable flag mkdir -p /boot/EFI/BOOT/ cd /boot/EFI/BOOT/ cp /usr/share/syslinux/ldlinux.c32 . vi syslinux.cfg extlinux --install /boot/EFI/BOOT/ dd bs=440 count=1 conv=notrunc if=/usr/share/syslinux/mbr.bin of=/dev/sda</pre>	<pre># Boot partition MUST be set with the bootable flag mkdir -p /boot/EFI/BOOT/ cd /boot/EFI/BOOT/ cp /usr/share/syslinux/ldlinux.c32 . vi syslinux.cfg extlinux --install /boot/EFI/BOOT/ dd bs=440 count=1 conv=notrunc if=/usr/share/syslinux/gptmbr.bin of=/dev/sda</pre>
<b>UEFI</b>	<pre>mkdir -p /boot/EFI/BOOT/ cd /boot/EFI/BOOT/ cp /usr/share/syslinux/efi64/ldlinux.e64 . cp /usr/share/syslinux/efi64/syslinux.efi BOOTX64.EFI vi syslinux.cfg</pre>	<pre>mkdir -p /boot/EFI/BOOT/ cd /boot/EFI/BOOT/ cp /usr/share/syslinux/efi64/ldlinux.e64 . cp /usr/share/syslinux/efi64/syslinux.efi BOOTX64.EFI vi syslinux.cfg</pre>
<b>BIOS &amp; UEFI</b>	<pre># Boot partition MUST be set with the bootable flag mkdir -p /boot/EFI/BOOT/ cd /boot/EFI/BOOT/ cp /usr/share/syslinux/ldlinux.c32 . cp /usr/share/syslinux/efi64/ldlinux.e64 . cp /usr/share/syslinux/efi64/syslinux.efi BOOTX64.EFI vi syslinux.cfg extlinux --install /boot/EFI/BOOT/ dd bs=440 count=1 conv=notrunc if=/usr/share/syslinux/mbr.bin of=/dev/sda</pre>	<pre># Boot partition MUST be set with the bootable flag mkdir -p /boot/EFI/BOOT/ cd /boot/EFI/BOOT/ cp /usr/share/syslinux/ldlinux.c32 . cp /usr/share/syslinux/efi64/ldlinux.e64 . cp /usr/share/syslinux/efi64/syslinux.efi BOOTX64.EFI vi syslinux.cfg extlinux --install /boot/EFI/BOOT/ dd bs=440 count=1 conv=notrunc if=/usr/share/syslinux/gptmbr.bin of=/dev/sda</pre>

Optional only if you wish to modify the systems UEFI. By default UEFI looks for \EFI\BOOT\BOOTX64.EFI so if you have syslinux.efi in another location you will need to run the following command pointing to the location of syslinux.efi or what ever you named it.

```
efibootmgr -c -d /dev/<DISK> -p <PARTITION NUMBER> -l \\<LOCATION>\\<TO>\\<SOME.EFI>> -L <MENU LABEL> -v
```

For the above scenario you would run

```
efibootmgr -c -d /dev/sda -p 1 -l \\EFI\\BOOT\\BOOTX64.EFI -L CRUX -v
```

The kernel is copied into /boot/EFI/BOOT/ and syslinux.cfg edited appropriately