How to install CentOS 6.9 in UEFI mode by console redirection

V1.1

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Version

Version	Date	Editor	Comment
V1.0	2019/04/01	Alan Ku	First released version
V1.1	2020/11/04	Alan Ku	Correct content

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Purpose:

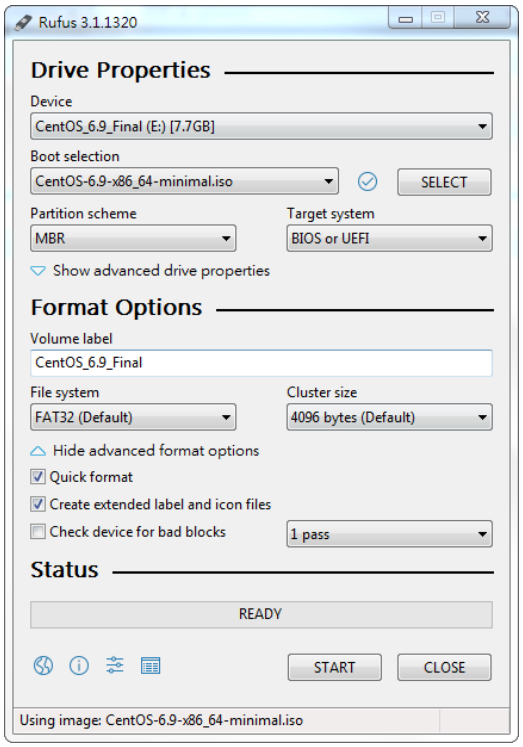
Guide users how to restore OS .iso file to USB drive and select UEFI mode to install.

Procedures:

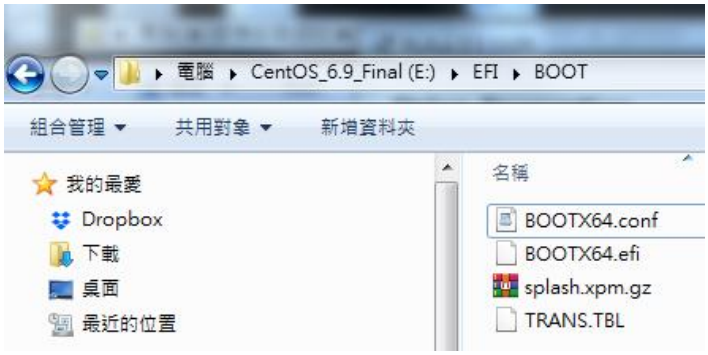
1. Download CentOS .iso file from web official release.

   http://vault.centos.org/

2. Restore .iso file to USB drive. (in this document, “rufus” is a 3rd party tool used to restore .iso file, just for reference)



3. Edit “BOOTX64.conf” under “E:\EFI\BOOT” in USB drive.



   Add “console=tty0 console=ttyS0,115200n8” after vmlinuz.

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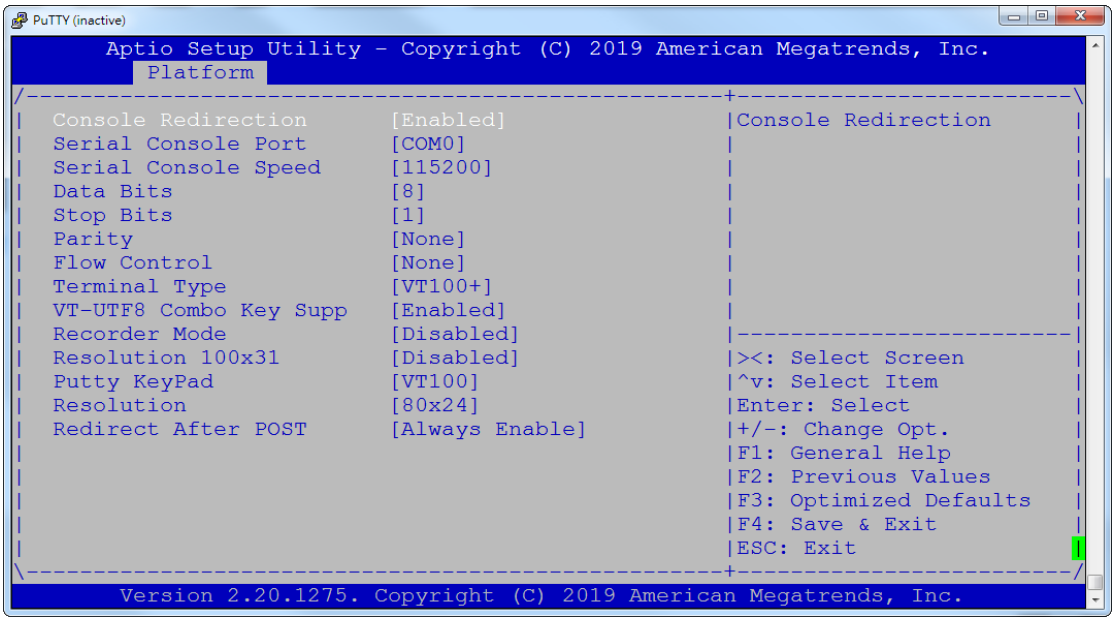
(115200 is the buad rate and a value by user define)

```
#debug --graphics

default=0

splashimage=/EFI/BOOT/splash.xpm.gz

timeout 5

hiddenmenu

title CentOS 6.9

     kernel /images/pxeboot/vmlinuz console=tty0 console=ttyS0,115200n8

     initrd /images/pxeboot/initrd.img

title Install system with basic video driver

     kernel /images/pxeboot/vmlinuz nomodeset askmethod

     initrd /images/pxeboot/initrd.img

title rescue

     kernel /images/pxeboot/vmlinuz rescue askmethod

     initrd /images/pxeboot/initrd.img
```

4. Insert USB drive on x86 platform and enable BIOS console redirection.



5. Set Video to UEFI/do not launch in BIOS “CSM parameters” setting.

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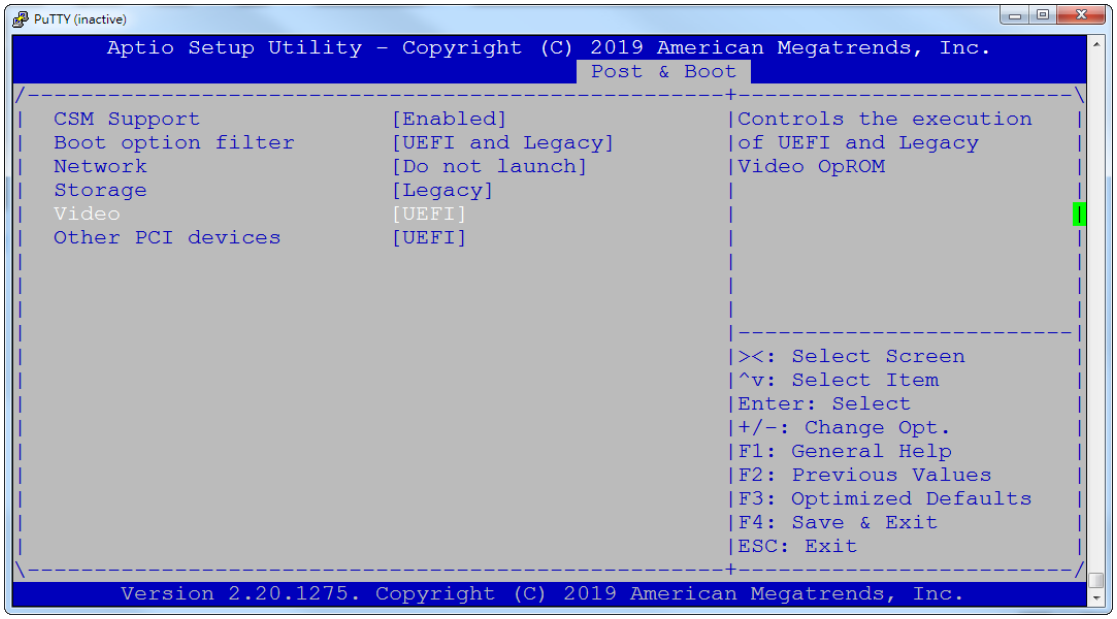
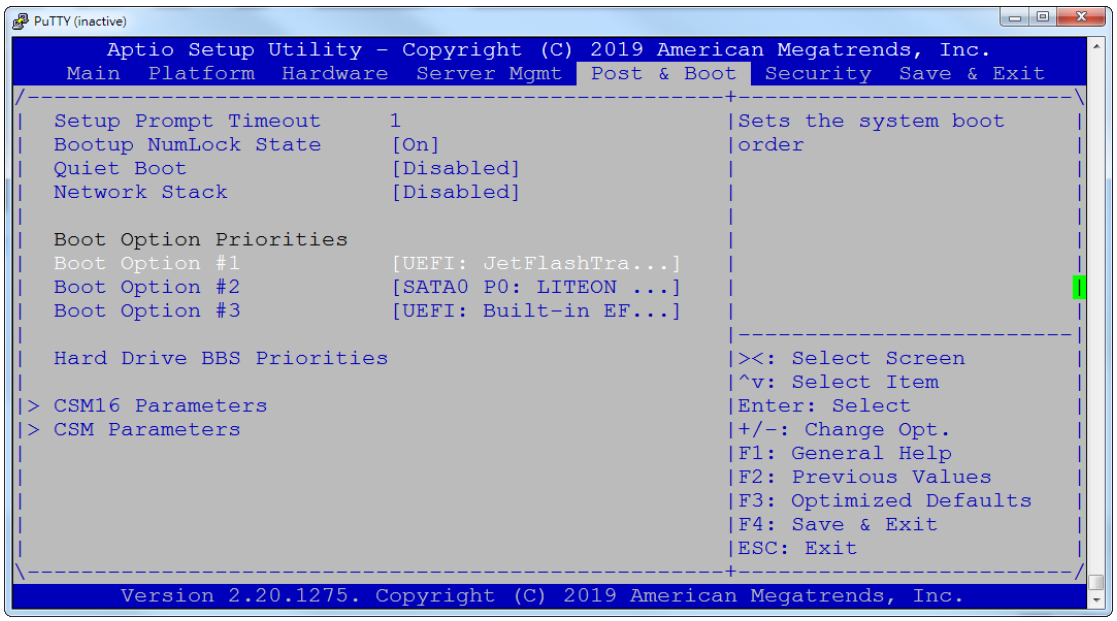


6. Set USB drive UEFI partition on first boot priority, then save changes and reset.



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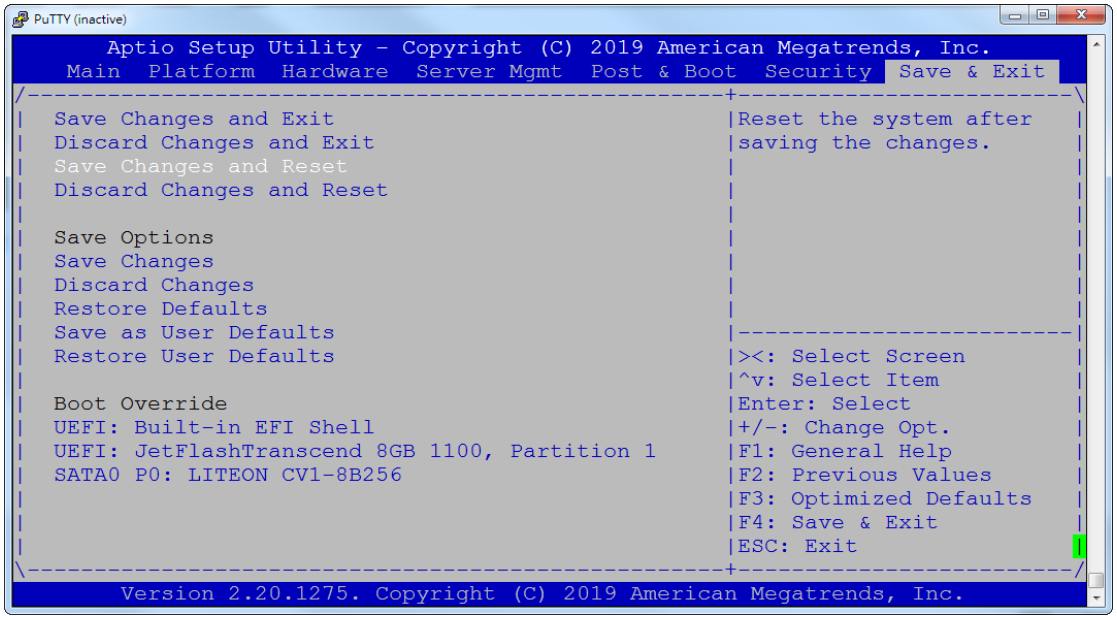
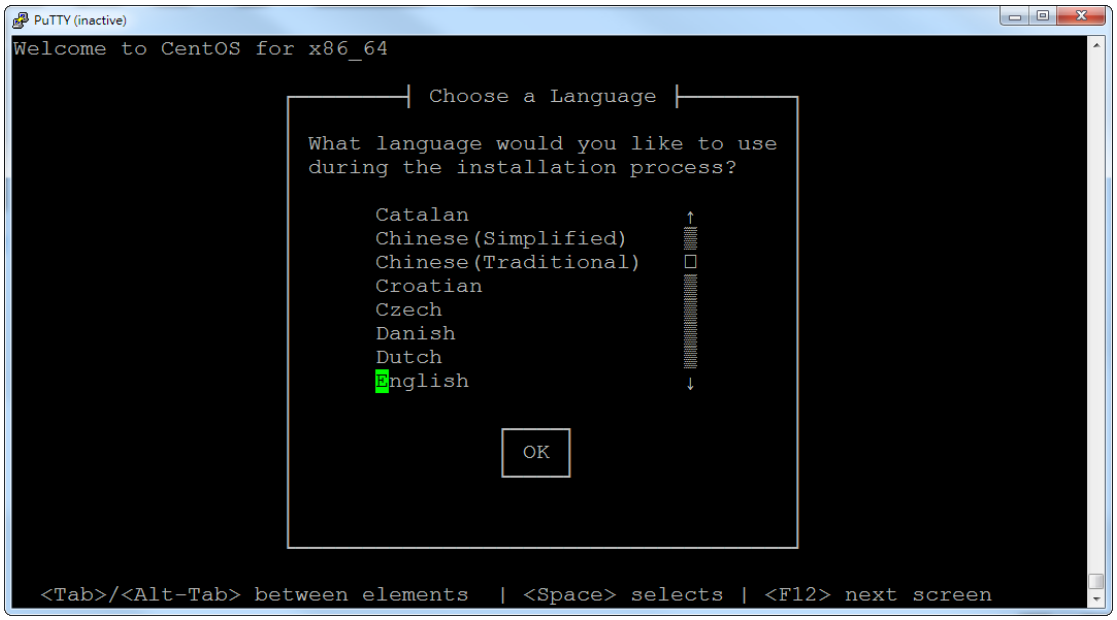


7. After system reboot, installation pages would redirect to console for further steps, example as following.



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