

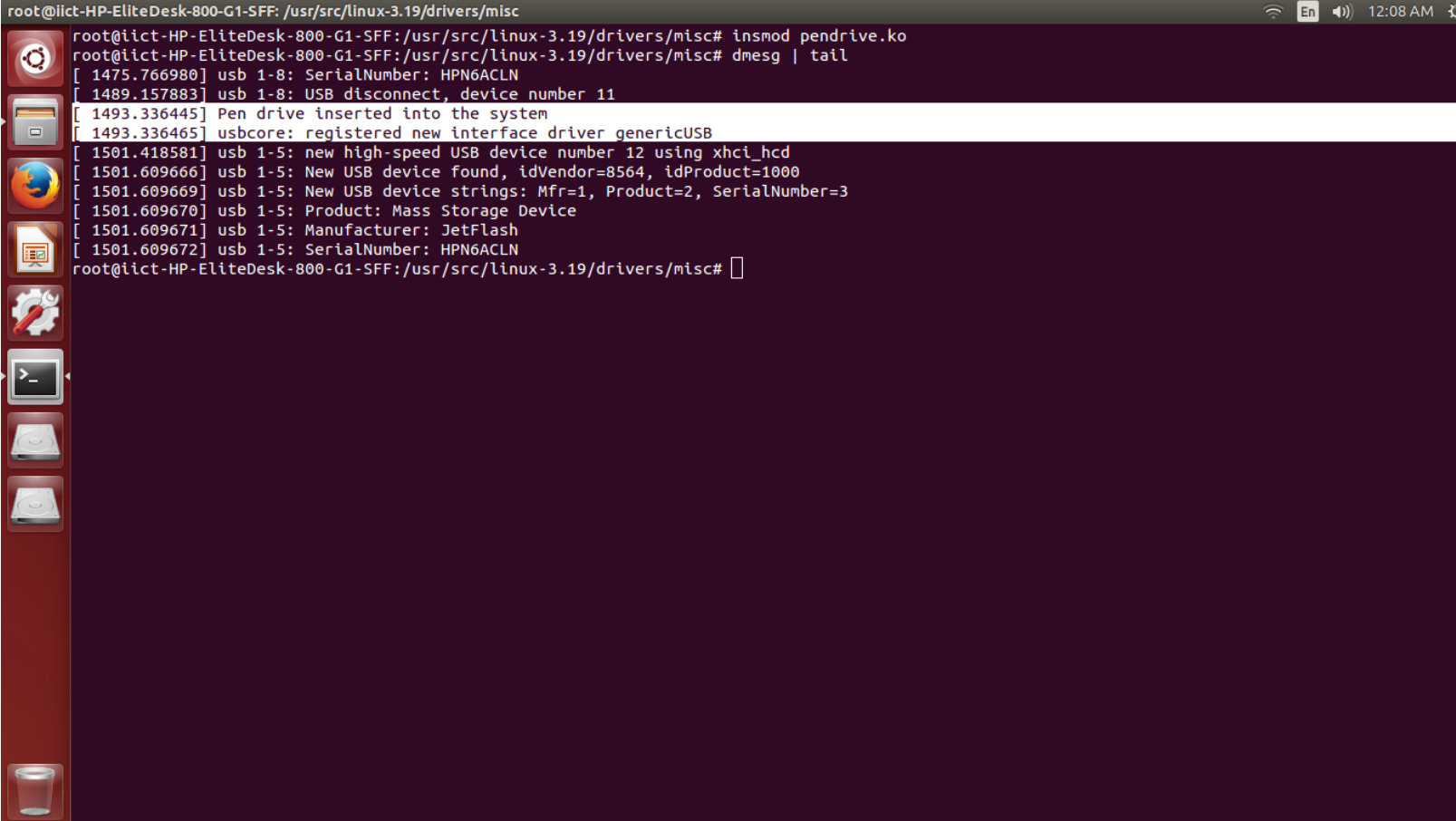
Generic USB Driver

Operating Systems

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- What is Generic USB Driver?
- How does it work?
 - Register
 - Deregister
 - Cleanup

Implementation



```
root@iict-HP-EliteDesk-800-G1-SFF: /usr/src/linux-3.19/drivers/misc
root@iict-HP-EliteDesk-800-G1-SFF:/usr/src/linux-3.19/drivers/misc# insmod pendrive.ko
root@iict-HP-EliteDesk-800-G1-SFF:/usr/src/linux-3.19/drivers/misc# dmesg | tail
[ 1475.766980] usb 1-8: SerialNumber: HPN6ACLN
[ 1489.157883] usb 1-8: USB disconnect, device number 11
[ 1493.336445] Pen drive inserted into the system
[ 1493.336465] usbcore: registered new interface driver genericUSB
[ 1501.418581] usb 1-5: new high-speed USB device number 12 using xhci_hcd
[ 1501.609666] usb 1-5: New USB device found, idVendor=8564, idProduct=1000
[ 1501.609669] usb 1-5: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[ 1501.609670] usb 1-5: Product: Mass Storage Device
[ 1501.609671] usb 1-5: Manufacturer: JetFlash
[ 1501.609672] usb 1-5: SerialNumber: HPN6ACLN
root@iict-HP-EliteDesk-800-G1-SFF:/usr/src/linux-3.19/drivers/misc#
```

Implementation

```
root@iict-HP-EliteDesk-800-G1-SFF: /usr/src/linux-3.19/drivers/misc
root@iict-HP-EliteDesk-800-G1-SFF:/usr/src/linux-3.19/drivers/misc# dmesg | tail
[ 1388.454928] usb 1-6: new high-speed USB device number 10 using xhci_hcd
[ 1388.646209] usb 1-6: New USB device found, idVendor=8564, idProduct=1000
[ 1388.646212] usb 1-6: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[ 1388.646213] usb 1-6: Product: Mass Storage Device
[ 1388.646214] usb 1-6: Manufacturer: JetFlash
[ 1388.646215] usb 1-6: SerialNumber: HPN6ACLN
[ 1401.832751] systemd-hostnamed[6615]: Warning: nss-myhostname is not installed. Changing the local hostname might make it unresolvable. Please install nss-myhostname!
[ 1417.624562] usbcore: deregistering interface driver genericUSB
[ 1417.624581] Pen drive has been removed from the system
[ 1420.899447] usb 1-6: USB disconnect, device number 10
root@iict-HP-EliteDesk-800-G1-SFF:/usr/src/linux-3.19/drivers/misc#
```

Thank You