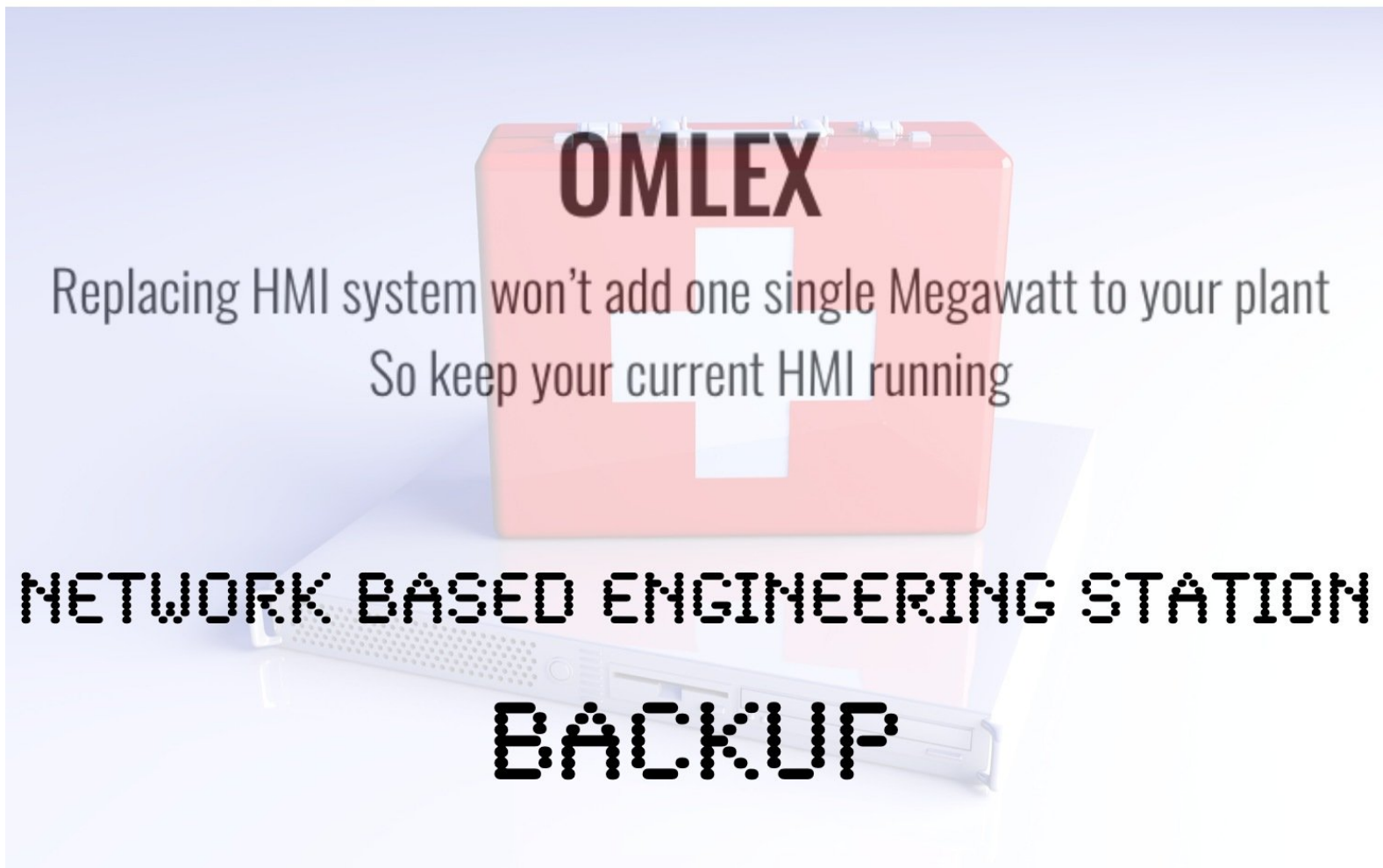




# Backup ES680 component - OMLEX

This is a method of backing up ES680 engineering station to the network server without a need of bootable tape or functional operating system.

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## INTRODUCTION

This is fairly advance way of backing up engineering station.



### TOOLS:

- [Linux Live CD Gentoo HPPA](#) (1)
-

## Step 1 — Power ON and booting from CD

```

Main Menu: Enter command > search
Searching for potential boot device(s)...
This may take several minutes.
To discontinue search, press any key (termination may n

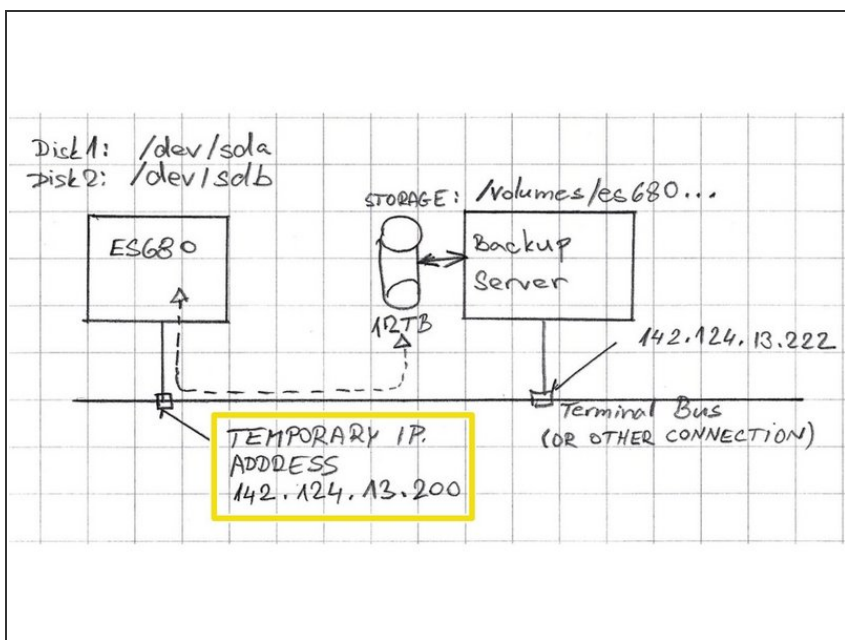
Path Number      Device Path      Device T
-----
P0 IDE           HL-DT-ST
P1 FWSCSI.6.0     COMPAQ
P2 PCI2.3.0       HP

Main Menu: Enter command > boot IDE
Interact with IPL (Y, N, Q)?> n

Booting...
Boot IO Dependent Code (IODC) revision 0
  
```

- Insert bootable CD and interrupt a booting sequence by pressing "ESC" key
- On prompt type:
  - **boot IDE**
- You will asked „Interact with IPL (Y,N)“. Answer with **N**.

## Step 2 — Network configuration



- Configure network card located on the motherboard named *eth0* by following command
  - *ifconfig eth0 142.124.13.200*
- ⚠ **IP address MUST NOT COLLIDE with IP addresses of existing computers**
- ① Test if ftp server can be reached over network by ping command
  - ① *ping 142.124.13.222*

## Step 3 — Storage space verification

```
lived root # fdisk -l
Disk /dev/sda: 18.2 GB, 18210037760 bytes
64 heads, 32 sectors/track, 17366 cylinders
Units = cylinders of 2048 * 512 = 1048576 bytes
Disk identifier: 0x00000000

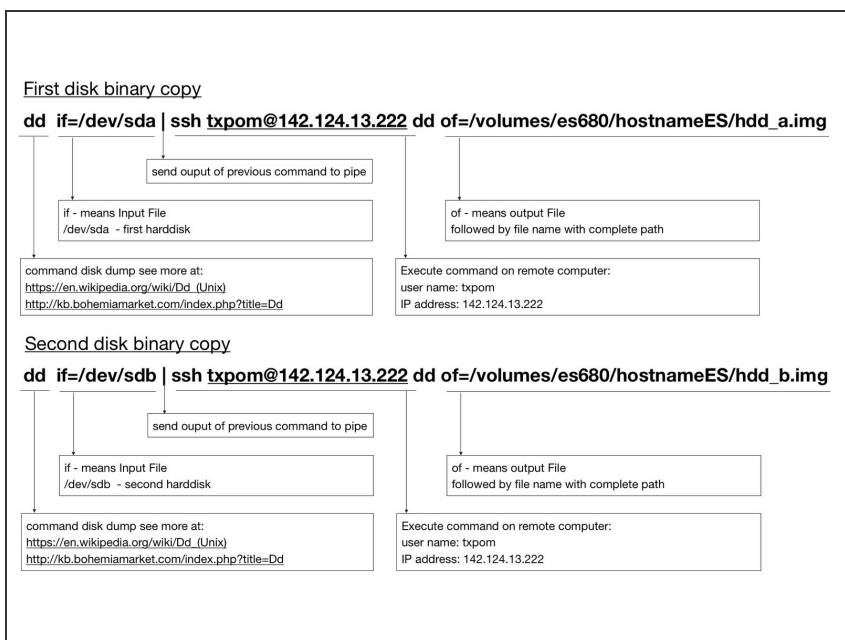
Disk /dev/sda doesn't contain a valid partition table

Disk /dev/sdb: 72.8 GB, 72839168000 bytes
255 heads, 63 sectors/track, 8855 cylinders
Units = cylinders of 16065 * 512 = 8225280 bytes
Disk identifier: 0x00000000

Disk /dev/sdb doesn't contain a valid partition table
lived root # dhcpd(6328): unaligned access
```

- Verify by *fdisk* command if all hard-drives are visible. Some ES680 station might have two disks.
- *fdisk -l*
  - There is a disk /dev/sda with capacity 18.2 GB
  - There is a disk /dev/sdb with capacity 72.8 GB
- ① the parameter above is lower case **L**

## Step 4 — Binary copy of the disk



- Copy content of the disk using *dd* command to the server.