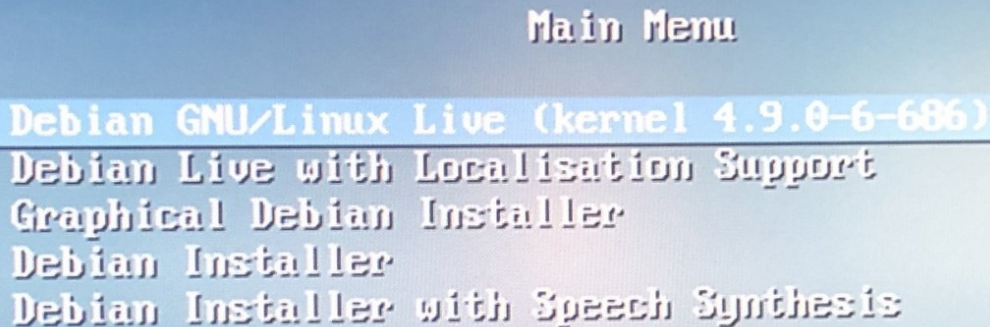




OMLEX - TXP Computer Backup - Variant II

This is a procedure describing backup of TXP V7.4 Computer. This backup will be used for the migration to the OMLEX computer.

Written By: Petr Roupec



The screenshot shows a terminal window with a blue background. At the top, the text "Main Menu" is displayed. Below it, a list of options is shown, with the first option, "Debian GNU/Linux Live (kernel 4.9.0-6-686)", highlighted by a blue bar. The other options are "Debian Live with Localisation Support", "Graphical Debian Installer", "Debian Installer", and "Debian Installer with Speech Synthesis". A right-pointing arrow is visible to the right of the second option.

```
Main Menu  
Debian GNU/Linux Live (kernel 4.9.0-6-686)  
Debian Live with Localisation Support >  
Graphical Debian Installer  
Debian Installer  
Debian Installer with Speech Synthesis
```

INTRODUCTION

This is a procedure describing backup of TXP V7.4 of the computer to be migrated to the OMLEX computer.

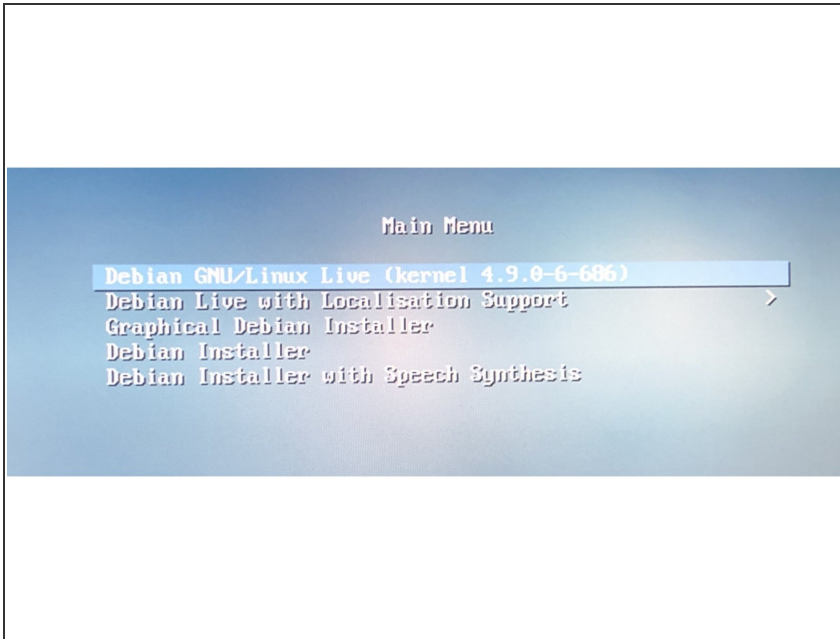
For this purpose any Unix computer accepting ssh connection can be used. On the machine which is being migrated or surveyed "Live CD Linux" is booted and content of the hardisk is copied to the "Backup Computer"



TOOLS:

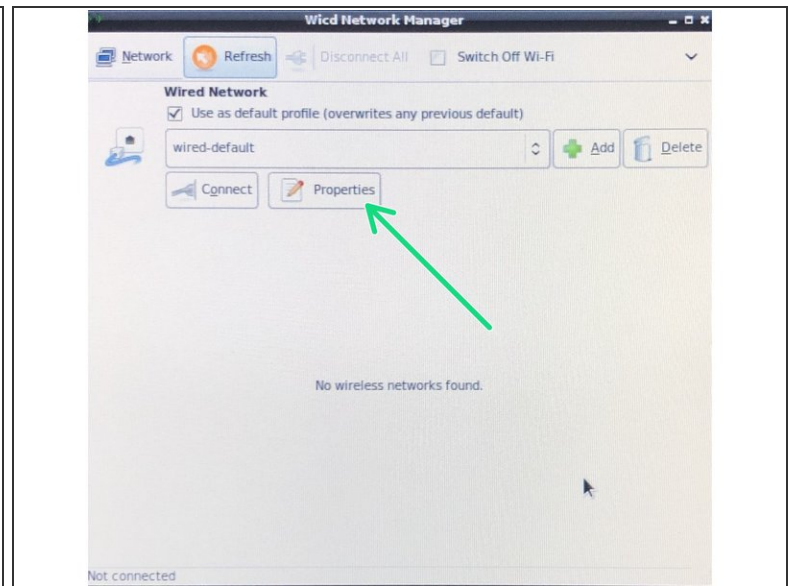
- [Bootable Linux CD](#) (1)
 - [Backup Server](#) (1)
 - [DVD drive installed in the computer](#) (1)
-

Step 1 — Environment setup



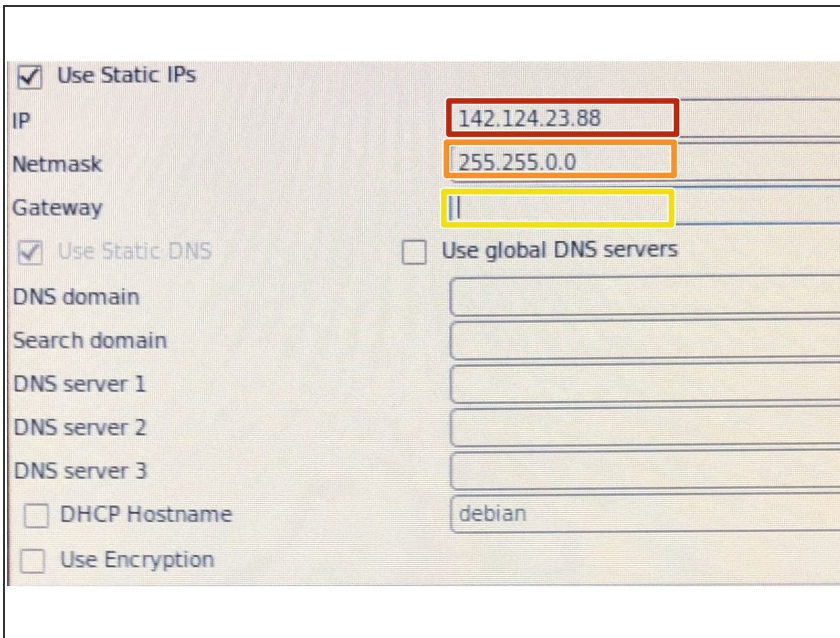
- Shutdown TXP computer to be migrated
- Connect it to the migration kit or backup computer via network cable
- Clean DVD drive from the dust
- Insert provided DVD
- "Switch ON" the computer

Step 2 — Network Setup



- After operating system start from live CD, network card need to be configured
- Click on the network symbol located in bottom right corner
- Click on "Properties" button to setup IP address

Step 3 — Network IP address



☒ Use Static IPs

IP: 142.124.23.88

Netmask: 255.255.0.0

Gateway: ||

☒ Use Static DNS ☐ Use global DNS servers

DNS domain:

Search domain:

DNS server 1:

DNS server 2:

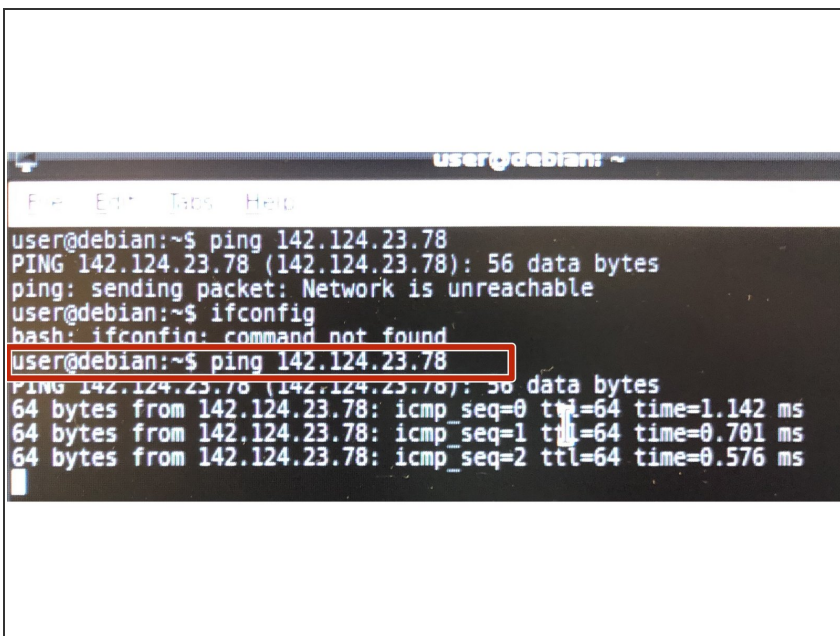
DNS server 3:

☐ DHCP Hostname: debian

☐ Use Encryption

- Enter IP address
- Enter Network MASK 255.255.0.0
- Do not enter GATEWAY setting

Step 4 — Network Test



```
user@debian: ~  
File Edit Tabs Help  
user@debian:~$ ping 142.124.23.78  
PING 142.124.23.78 (142.124.23.78): 56 data bytes  
ping: sending packet: Network is unreachable  
user@debian:~$ ifconfig  
bash: ifconfig: command not found  
user@debian:~$ ping 142.124.23.78  
PING 142.124.23.78 (142.124.23.78): 56 data bytes  
64 bytes from 142.124.23.78: icmp_seq=0 ttl=64 time=1.142 ms  
64 bytes from 142.124.23.78: icmp_seq=1 ttl=64 time=0.701 ms  
64 bytes from 142.124.23.78: icmp_seq=2 ttl=64 time=0.576 ms
```

- Open Terminal
- Ping backup computer
- *ping 142.124.23.78*

Step 5 — Login to backup server

```

142.124.23.78 ping statistics ---
8 packets transmitted, 8 packets received, 0% packet loss
round-trip min/avg/max/stddev = 0.560/0.699/1.142/0.178
user@debian:~$ ssh 142.124.23.78
The authenticity of host '142.124.23.78 (142.124.23.78)'
RSA key fingerprint is SHA256:dXXmdH0dYFPbTrcwknm06zwMK
Are you sure you want to continue connecting (yes/no)?
Warning: Permanently added '142.124.23.78' (RSA) to the
Password:
Password:
user@debian:~$ ssh BM010@142.124.23.78
Password:

```

- ssh login test with command:
- ssh BM010@142.124.23.78

Step 6 — Backup command first disk

```

root@debian:/home/user# dmesg | grep sd
[ 2.275408] sd 0:0:0:0 512-byte logical blocks: (82.0 GB/76.
3 GiB)
[ 2.275574] sd 0:0:0:0 [sda] Write Protect is off
[ 2.275628] sd 0:0:0:0 [sda] Mode Sense: 00 3a 00 00
[ 2.275661] sd 0:0:0:0 [sda] Write cache: enabled, read cache: does
n't support DPO or FUA
[ 2.282449] sd 0:0:1:0 [sdb] 241254720 512-byte logical blocks: (124 GB/115
GiB)
[ 2.282636] sd 0:0:1:0 [sdb] Write Protect is off
[ 2.282690] sd 0:0:1:0 [sdb] Mode Sense: 00 3a 00 00
[ 2.282735] sd 0:0:1:0 [sdb] Write cache: enabled, read cache: enabled, does
n't support DPO or FUA
[ 2.348067] sdb: sdb3 sdb4
[ 2.354577] sda: sda4
[ 2.355073] sd 0:0:1:0 [sdb] Attached SCSI disk
[ 2.356450] sd 0:0:0:0 [sda] Attached SCSI disk
[ 61.866836] sd 0:0:0:0: Attached scsi generic sg0 type 0
[ 61.867001] sd 0:0:1:0: Attached scsi generic sg1 type 0
root@debian:/home/user# dd if=/dev/sda | ssh BM010@142.124.23.78 dd of=/Users/bm010/G20_2020-03-07/p02spa_sda.img

```

- Now enter backup command
- `dd if=sda | ssh BM010@142.124.23.78 dd of=/tmp/my_backup.dd`
- First disk ID: /dev/sda
- Second disk ID: /dev/sdb
- Output of dmesg command display above mentioned:
 - `dmesg | grep sd`