How to configure a Planet Print Server FPS-5P-D with a Brother HL-1030 Laser printer under Linux SuSE 9.0

Steps

1. Configure Planet Print Server FPS-5P-D
2. Configure Linux SuSE 9.0

Configure Planet Print Server FPS-5P-D

- As root from any system in the LAN type:

```
$ arp –s <ip_address> <mac_address>
$ arp –s 192.168.0.105 00:40:01:23:DF:0F
```

  The IP address you have to choose out of your LAN address range (e.g. 192.168.0.105 out of 192.168.0.1 – 192.168.0.254 with net mask 255.255.255.0). You can test if the IP address is already used with e.g.
```
$ ping –b 192.168.0.255
```
  The MAC address is written on the back side of your print server (e.g. 00400123DF0F -> 00:40:01:23:DF:0F)

- Check you arp table for the appropriate result with:

```
$ arp -v
```

- Check for the print server with:

```
$ ping <ip_address>
$ ping 192.168.0.105
```

- Download the print server configuration file:

```
$ tftp <ip_address>
tftp> get config.txt
tftp> quit
```

- Change with your favorite editor the line "05 BoxIPAddress" in the config.txt file. It looks like this:

```
01 BoxName      : 1P_PrintServ23DF0F
02 BoxVersion   : 6.08 (fixed)
03 BoxNodeID    : 00-40-01-23-DF-0F (fixed)
04 DHCP/BOOTP   : OFF
05 BoxIPAddress : 192.168.0.105
06 Gateway      : 0.0.0.0
07 SubnetMask   : 0.0.0.0
08 NetWare      : Disable
09 PrinterMode  : Fast (Fast, Normal, Slow)
10 Printer1Name : lp1 (fixed)
```

- Upload the modified configuration file back to the print server:

```
$ tftp <ip_address>
tftp> put config.txt
tftp> quit
```

- Switch off and on printer server for testing if new configuration works. Then again:

```
$ ping <ip_address>
```

Configure Linux SuSE 9.0

- Choose System/YaST from your SuSE Linux Menu
- Enter root password
- Choose Hardware --> Printer
- Click on "Change..." button for "Already installed printers and queues:"
- Add a new Printer for CUPS
- Choose "Print via LPD-Style Network Server"
- Enter IP of print server (e.g. 192.168.0.105) and a remote queue name (lookup seems not to find the print server).
- Do NOT test remote LPD access.
- Enter description and location of printer. Enable local filtering.
- Do NOT test printing because it will print some trash.
- Choose printer Brother HL-1030
- You can test NOW!
- That's it...

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