

# Print from Linux to the UNI Print Server

## Method 1 - Print a PostScript-file from the command prompt

SAMBA version 3.6.23 or higher must be installed!

Example for printing the file 'golfer.ps' to the printer '5123-300-c-2':

```
$ smbclient //prt01.uni.au.dk/5123-300-c-2 -U au12345 -W uni -c "print golfer.ps"
```

Enter au12345's password:

In case you log on to Kerberos with the command:

```
$ kinit au12345@UNI.AU.DK
```

Password for au12345@UNI.AU.DK:

you can avoid further validation by using the option '-k':

```
$ smbclient //prt01.uni.au.dk/5123-300-c-2 -k -c "print golfer.ps"
```

In order to simplify the print command, you may create the shell script below and put it somewhere in your PATH with the name 'mylpr':

```
#!/bin/sh
/usr/bin/smbclient //prt01.uni.au.dk/$1 -U au12345 -W uni -c "print $2"
exit 0
```

The script must be given execute permissions:

```
$ chmod 755 mylpr
```

Now you can print using the script like this:

```
$ mylpr 5123-300-c-2 golfer.ps
```

## Method 2 – Insert a print entry into /etc/cups/printers.conf

This method requires you to have a running version of CUPS on your machine and, for security reasons, that you are the only person with root permissions.

Insert the following entry into '/etc/cups/printers.conf' for the printer '5123-300-c-2':

```
<Printer 5123-300-c-2>
Info
Location 5123-300
MakeModel
DeviceURI smb://<username>:<password>@uni/prt01.uni.au.dk:139/5123-300-c-2
State Idle
StateTime 1479952801
Type 8400916
Accepting Yes
Shared Yes
JobSheets none none
QuotaPeriod 0
PageLimit 0
KLimit 0
OpPolicy default
ErrorPolicy retry-job
</Printer>
```

and insert your own values for <username>: <password>

Reload the CUPS configuration using the command:

```
# /etc/init.d/cups reload
```

If there are other persons with access to the machine, remember that the file '/etc/cups/printers.conf' (and thereby your personal login information) must only be readable by you!

If you want to install a PPD file for the printer, it must be placed in the folder '/etc/cups/ppd'. If, for example, the name of the PPD file is 'xrx7120.ppd', the following link should be created:

```
# cd /etc/cups/ppd
# ln -s ./xrx7120.ppd 5123-300-c-2.ppd
```

The same physical PPD file can be linked to from as many printers as required.

/Kurt Marcussen – 20170815