

# SETUP PRINTER UNDER LINUX

## 1. PRINTING via SAMBA (using a Windows Print Server)

Your user must be a member of the admin/sudo group

First get the name(s) of the printer(s) you want to use:

To get the printer names use smbclient. If the program is not installed do:

- apt-get update; apt-get install smbclient

Now execute this line to get a list of the printer names:

- smbclient -L \\<windowsprintserver> -U <unibz-login> -W <domain>

e.g.

- smbclient -L \\print.unibz.it -U bgates -W unibz

Printer naming scheme:

```
UBZ 066 POS 300
|   |   |   | -> Room number

|   |   | -> POS Building

|   | -> IP-Adress

|-> UBZ University Site Bolzano
```

A list of old and new printer names you can find here:

<http://www.unibz.it/en/ict/Documents/PrinterList.pdf>

Now that you know the name of the printer, you can starting adding a printer.


SMB URI

```
smb://<domain>@print.unibz.it/<printername>
```

Open your preferred browser and type this address:

- localhost:631

Follow this guides as shown on the next screen shots

Select Add Printer from Administration Menu	Chose how to connect to Printer
	

<b>Select Add Printer from Administration Menu</b>	<b>Chose how to connect to Printer</b>
<b>Chose how to connect to Printer</b>	<b>Enter Connection String SMB URI, enter Domain unibz, YOUR username and password!</b>
<input type="text"/>	<input type="text"/>
<b>Enter Name, Description and Location</b>	<b>Select Make of Printer</b>
<input type="text"/>	<input type="text"/>
<b>Select Driver</b>	<b>Set initial default Options</b>
<input type="text"/>	<input type="text"/>
<b>Set Default Options</b>	
<input type="text"/>	<input type="text"/>

## 2. PRINTING via KERBEROS (using a Windows Print Server)

Follow the steps as described in the link below

[https://www.inf.unibz.it/wiki/tech/documentation/sysadmin/linux/printing\\_to\\_windows\\_print\\_server?s\[\]=krbsmb](https://www.inf.unibz.it/wiki/tech/documentation/sysadmin/linux/printing_to_windows_print_server?s[]=krbsmb)

### Cups printer setup and URI format

Now add a printer using cups (localhost:631)

In cups select Kerberized Printer and the uri format is

```
krbsmb://DOMAIN/PRINTSERVER/PRINTER_SHARE
```

e.g.

```
krbsmb://unibz/print.unibz.it/UBZ066POS300
```

Continue by selecting Printer Make, Printer Driver and set the Default Options

## 3. PRINTING VIA CUPS (using a Linux Print Server)







First get the name(s) of the available printer(s):

```
http://gutenberg.inf.unibz.it:631/printers
```

Open your preferred browser and type this address:

- localhost:631

Follow this guides as shown on the next screen shots

Select Add Printer	Enter local username (must be in admin/sudo group) and local password
	
Enter Connection string e.g. <a href="http://gutenberg.inf.unibz.it:631/printers/&lt;printername&gt;">http://gutenberg.inf.unibz.it:631/printers/&lt;printername&gt;</a>	Name, Description and Location Names
	
Select Make	Select Driver
	

Last select newly added printer; Click on **Administration** and select: **Set Default Options**

## 4. CHIPCARD PRINTER (using a Windows Print Server)

Your user must be a member of the admin/sudo group








SMB URI

```
smb://domain\username:password@ubz02cps.unibz.it/CPSPrn01
```

Open your preferred browser and type this address:

- localhost:631

Follow this guides as shown on the next screen shots

Select Add Printer from Administration Menu	Chose how to connect to Printer
	
Enter Connection smb URI, Domain, YOUR username and password!	Name, Description and Location Names
	
Select Make Generic	Select Printer Driver Generic Postscript
	
Modify Options	
	

Check that the cups printer config file printers contains the string:

```
smb://domain\username:password@ubz02cps.unibz.it/CPSPrn01
```

In a terminal type:

```
sudo cat /etc/cups/printers.conf | grep smb:
```

Restart cups daemon:

```
sudo /etc/init.d/cups restart
```

## Remove clear password from /etc/cups/printers.conf config file

Please note: NOT ALL Programs show the prompt to enter DOMAIN\username and password

Open the config file and make the following modifications:

- sudo vi /etc/cups/printers.conf

Place this line in:

```
AuthInfoRequired username,password
```

Next search for the the DeviceURI line and substitute it with this line.

```
DeviceURI smb://ubz02cps.unibz.it/CPSPrn01
```

## Printing of private and confidential Documents

[https://www.inf.unibz.it/wiki/auth/printing\\_of\\_private\\_and\\_confidential\\_documents](https://www.inf.unibz.it/wiki/auth/printing_of_private_and_confidential_documents)

## Windows 7 and Mac OSX

[Home>To Computer & Internet>Computer - Network>Printers](#)

List of old and new printer names:

<http://www.unibz.it/en/ict/Documents/PrinterList.pdf>

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<https://wiki.inf.unibz.it/> - **Engineering-Tech Wiki**

Permanent link:

[https://wiki.inf.unibz.it/doku.php?id=auth:setup\\_printers&rev=1355142687](https://wiki.inf.unibz.it/doku.php?id=auth:setup_printers&rev=1355142687)

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