

# 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://unibz/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>
	
<b>Enter Name, Description and Location</b>	<b>Select Make of Printer</b>
	
<b>Select Driver</b>	<b>Set initial default Options</b>
	
<b>Set Default Options</b>	
	

When printing from an Application an Authentication Window will/should pop up. If no Window pops up, you should check the taskbar for a Printer Icon, select it and release the print job by typing your login & password.

Enter your unibz username and password!



## 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

Important DO NOT forget to get a Kerberos Ticket manually!!

[Get a Kerberos Ticket](#)

### 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
<input type="text"/>	<input type="text"/>
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
<input type="text"/>	<input type="text"/>
Select Make	Select Driver
<input type="text"/>	<input type="text"/>

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://unibz/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	Enter local username and password
<input type="text"/>	<input type="text"/>
Select Windows Printer via SAMBA	Enter Connection smb URI
<input type="text"/>	<input type="text"/>
Name, Description and Location Names	Select Make Generic
<input type="text"/>	<input type="text"/>

Select Printer Driver Generic Postscript	Set Default Printer Options
	

## 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>

## Troubleshooting

Mac OSX 10.11 El Capitan Ricoh Aficio printer

<http://flying-geek.blogspot.it/2016/05/getting-os-x-1011-el-capitan-printing.html>

Update from Mavericks to El Capitan

<https://discussions.apple.com/thread/7270354?tstart=0>

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

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