

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
	

Select Add Printer from Administration Menu	Chose how to connect to Printer
Chose how to connect to Printer	Enter Connection String SMB URI, enter Domain unibz, YOUR username and password!
	
Enter Name, Description and Location	Select Make of Printer
	
Select Driver	Set initial default Options
	
Set Default Options	
	

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/<printername>">http://gutenberg.inf.unibz.it:631/printers/<printername>	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

Windows and Mac OS X

Windows:

<https://knowledge.scientificnet.org/workspace/#nd=2c1c4d8c-da72-44aa-be88-30adb4167fb6&ld=17f4d8ce-edff-4d42-ad33-d98e2cdebc35&ln=it>

Mac OS X:

<https://knowledge.scientificnet.org/workspace/#nd=2838d956-3d00-4700-9a41-ce8b319433eb&ld=17f4d8ce-edff-4d42-ad33-d98e2cdebc35&ln=en>

List of old and new printer names:

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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