

# Procedure to enable scanning of Exams/PIS etc

Use the VM gutenber.inf.unibz.it Ubuntu 20.04 LTS with samba version: Version 4.13.17-Ubuntu

## IMPORTANT

To make scan to folder work, this 2 options in [global] section are necessary in smb.conf

```
vi /etc/samba/smb.conf
```

```
client min protocol = NT1  
server min protocol = NT1
```

```
systemctl restart smbd.service
```

[https://wiki.ubuntuusers.de/Samba\\_Server/smb.conf/](https://wiki.ubuntuusers.de/Samba_Server/smb.conf/)

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This allows to scan exams on the Multifunction Printer Canon and save them in a folder in the Archive.

Printer: UBZ125POS100 <http://10.10.32.125>

Archive/Path: \\fsu.unibz.it\Users\Faculty of Computer Science\1 Didattica\1.7 Esami\Copie Esami\scans

Infos: IP: 10.7.28.68

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## Prepare Printer

Login into printer via web:

<http://10.10.32.125:8000/>

login: administrator

password:

1. Click on **Address Book**
2. Select Address List 02
3. Register New Destination...
4. Type: file
5. Click Set
6. Enter Name: gutenber
7. Protocol: Windows (SMB)
8. Hostname: \\gutenberg.inf.unibz.it\scans
9. Click: OK

## Set Firewall/ACL rules

Open SMB port 139 or 445 on the firewall for the 2 machines!

```
telnet 10.7.28.68 445
Trying 10.7.28.68...
Connected to 10.7.28.68.
Escape character is '^]'.
^CConnection closed by foreign host.
```

ACL rulez set by Andreas Zöschg!

## Set-up VM: gutenber

```
ssh gutenber
```

Make sure after reboot that the drive is mounted!

```
cat /root/start-at-reboot.sh
mount -a
```

Entry in /etc/fstab

```
\fsu.unibz.itinfFaculty40of40Computer40Science140Didattica1.740EsamiCopie40E
samiScans /mnt/fsu.unibz.it cifs
username=service_scanfolderinf@unibz.it,password=*****,rw,vers=2.0,auto
0 0
```

Cronjob

```
crontab -l
```

```
# execute mount -a command
@reboot /root/start-at-reboot.sh

# copy exams scans to Archive fsu
*/2 7-19 * * MON-FRI rsync -vauh --progress /home/scans/*.pdf
/mnt/fsu.unibz.it/

# remove all pdfs if the file: remove is found in /mnt/fsu.unibz.it
*/5 * * * * /home/scans/.cleanup.sh
```

To clean up all pdfs in /home/scans run the hidden command: **.cleanup.sh**

```
cat /home/scans/.cleanup.sh
```

```
#!/bin/sh -x

# Create file: "remove" in directory
# touch remove
# run the script to remove all pdf files in directory
# sh .cleanup.sh
if [ -f "remove" ]
then
    echo File "remove" file exists, will remove all pdfs!
    rm -I /home/scans/*.pdf
fi
```

Run script!

```
cd /home/scans
sh .cleanup.sh
```

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