

Procedure to enable scanning of Exams/PIS etc

Use the VM gutenberg.inf.unibz.it Ubuntu 20.04.6 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/

Check status of samba:

```
root@gutenberg:~# smbstatus
```

Samba version 4.15.13-Ubuntu

PID	Username	Group	Machine
Protocol	Version	Encryption	Signing

3510511	skanners	skanners	10.7.88.144 (ipv4:10.7.88.144:59559)
SMB3_11		-	partial(AES-128-CMAC)

Service	pid	Machine	Connected at
Encryption	Signing		

scans	3510511	10.7.88.144	Thu Mar 7 14:57:37 2024 CET	-
AES-128-CMAC				

Locked files:

Pid	User(ID)	DenyMode	Access	R/W	Oplock
SharePath	Name	Time			
3510511	1004	DENY_NONE	0x100081	RDONLY	NONE
/home/scans	.	Thu Mar 7 15:05:26 2024			

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

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
```

Login from Windows Explorer

Open Windows Explorer (Win+E) and enter into the path: \\gutenberg.inf.unibz.it\scans

When it asks for login information:

Last update: 2024/03/07
15:34

tech:documentation:exams:scanning <https://wiki.inf.unibz.it/doku.php?id=tech:documentation:exams:scanning>

username: skanners
password: Igloo#2inter

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