3. Samba

Introduction

**Login**

The login credential for all server and client machines:

Username: root / user

Password: Skill39@Lyon

**Network Topology**

|  |
| --- |
| This will be the network topology that will be referenced for setting up the infrastructure. |
|  |

## Samba

**Do the following on int-srv01**

apt install samba -y

#create the directories (shares)

mkdir -p /internal

mkdir -p /public

#configure permissions accordingly

chown root:sambashare /internal

chown root:sambashare /public

chmod 775 /public

chmod 770 /internal

#backup the original copy

mv /etc/samba/smb.conf /etc/samba/smb.conf.bak

vim /etc/samba/smb.conf

[public]

path = /public

browseable = yes

guest ok = yes

read only = yes

write list = @sambashare

create mask = 0664

directory mask = 0775

[internal]

path = /internal

browseable = yes

guest ok = no

valid users = @sambashare

writeable = yes

#add user

useradd -p Skill39@Lyon -md /home/samba/jamie -s /bin/bash jamie

adduser jamie sambashare

smbpasswd -a jamie

Test

**Test case 1:** jamie can login on Samba Server

|  |
| --- |
| smbclient -L //localhost/ -I 127.0.0.1 -U “jamie%Skill39@Lyon” |
|  |

**Test Case 2:** /public is accessible without login

|  |
| --- |
| smbclient //localhost/public -I 127.0.0.1 -U “%” -c ls |
|  |

**Test Case 3:** /public is rw after login with a valid user

|  |
| --- |
| echo "Lorem Ipsum" > /tmp/lorem.txt; smbclient //localhost/public -I 127.0.0.1 -U "jamie%Skill39@Lyon" -c "put /tmp/lorem.txt lorem.txt" |
|  |

**Test Case 4:** /public is ro without login

|  |
| --- |
| echo "Lorem Ipsum" > /tmp/lorem.txt; smbclient //localhost/public -I 127.0.0.1 -U "%" -c "put /tmp/lorem.txt lorem.txt" |
|  |

**Test Case 5:** /internal is not accessible without login

|  |
| --- |
| smbclient //localhost/internal -I 127.0.0.1 -U "%" -c "ls" 2>&1 || true |
|  |

**Test Case 6:** /internal is rw after login

|  |
| --- |
| echo "Lorem Ipsum" > /tmp/lorem.txt; smbclient //localhost/internal -I 127.0.0.1 -U "jamie%Skill39@Lyon" -c "put /tmp/lorem.txt lorem.txt" |
|  |