

# install and configure samba



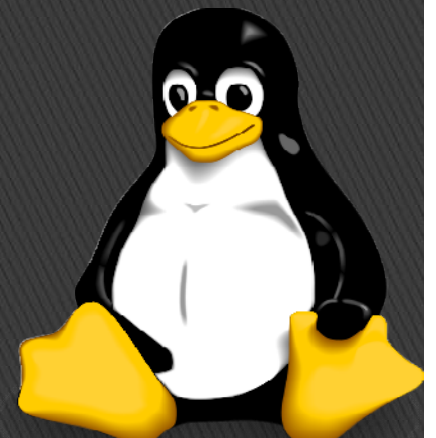
# What is samba?

Samba provides server and client software to allow file sharing between Linux and Windows machines.

Samba is a free software re-implementation of the SMB networking protocol, and was originally developed by Andrew Tridgell.

Samba provides file and print services for various Microsoft Windows clients and can integrate with a Microsoft Windows Server domain, either as a Domain Controller (DC) or as a domain member.

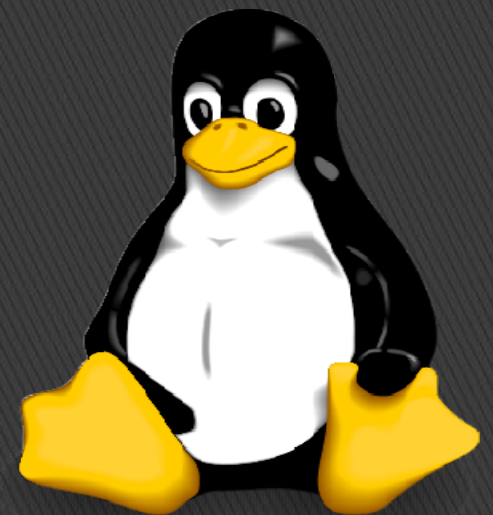
The project provides both server and client software to allow interoperation with Windows machines, representing the ideal solution in mixed environments.





# Install Package

```
#yum install samba samba-common samba-client
```



# Start & Enable service

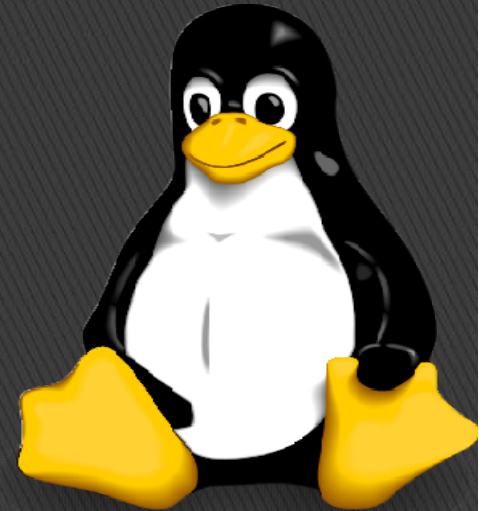
```
#systemctl start smb nmb  
#systemctl enable smb nmb
```





# Firewall

```
#firewall-cmd --permanent --add-service=samba  
#firewall-cmd --reload
```



# Create data to share

```
#mkdir    /sambadir  
#touch    /sambadir/notes{1..10}.txt
```

## For Set SELinux Context:

```
#ls -ldZ    /sambadir  
#semanage fcontext -a -t samba_share_t "/sambadir(/.*)"?"
```

```
#restorecon -Rv /sambadir  
#ls -ldZ    /sambadir
```





# Setup configuration file

```
#vim /etc/samba/smb.conf
```

```
[data]
```

```
comment = data share
```

```
path = /sambadir
```

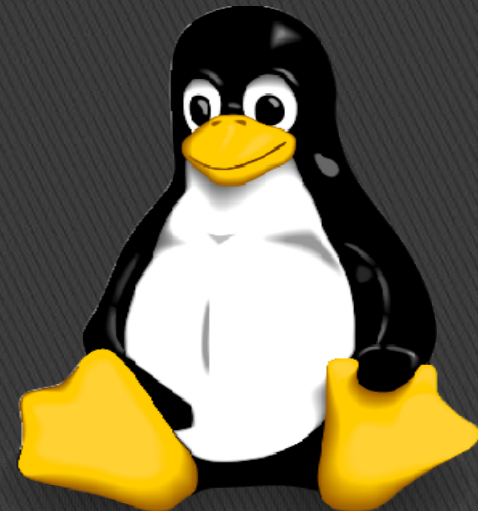
```
browseable = yes
```

```
valid users = susan
```

```
read only =yes
```

```
hosts allow = 192.168.1. (ifconfig and get your ip and only use the 3  
octets)
```

```
:wq
```



# Add samba password

```
#useradd    susan  
#smbpasswd  -a    susan  
Password
```

```
#systemctl restart smb nmb
```





# Client Configuration:

```
#yum -y install cifs-utils samba-client  
#mkdir -p /mnt/smbspace
```

## Access share by samba service

```
#smbclient //192.168.1.2/data -U susan
```

Or

```
#mount -t cifs //192.168.1.2/data /mnt/sambaspace -o  
username=susan
```



# Client Configuration(permanent mount)

## For Permanent Mount

```
#vim /etc/fstab
```

```
//192.168.1.2/data /mnt/smbspace cifs credentials=/mnt/auth.txt,defaults  
0 0
```

```
:wq
```

## Create credential file

```
#vim /mnt/auth.txt
```

```
username=susan
```

```
Password=123
```

```
:wq
```

```
#chmod 600 /mnt/auth.txt
```

```
#mount -a
```

```
#mount
```





# Client Configuration: (Windows)

For Windows Operating System:

Press "Win+r"

\\192.168.1.2\data

Provide Credentials username and password

