SAMBA

* It is an implementation of cifs (common internet file system) also known as SMB. Microsoft also uses this protocol server to share printer’s files to any Unix-like machines.
* Package = **SAMBA, SAMBA-COMMON, SAMBA-CLIENT**.
* Daemon = **smb**, **nmb**.
* Config file = **/etc/samba/smb.conf**.
* **138** (net bios – datagram service)
* **139** (net bios – session service)
* **187** (net bios – name service).
* **445** (Microsoft windows).
* Create a dir, give full permissions and change selinux context of that dir to **“samba\_share\_t”**.

**chcon –R –t samba\_share\_t /dir**

* Give write permission to others field to create file sfrom client side.

**chmod –R o+w dir.**

* Creater an user and add that user to samba.
* Add a user to samba share = **smbpasswd -a username**.
* Type a password for samba user two times.
* To remove user from samba share = **smbpasswd -x username**.
* To check all samba user use **=** **pdbedit -L**.
* Open the **/etc/samba/smb.conf**
* In global section,
* Change **workgroup** to your client system workgroup.
* Copy the last seven lines from the smb.conf and paste it at the end of the file and edit them.

**[ktshare] Share Name**

**Path = /ktsamba (Share Directory).**

**valid users = ktuser (Authorized user).**

**Writable = yes (Write Permission).**

**Printable = yes (Print permission).**

**read only = no**

**guest ok = no**

**create mask = 666**

* To test the samba parameters = **testparm** (it will test samba config file and show errors).
* Restart the service.
* In windows side :
* Click on network,
* In the address bar, type
* [\\serverip\](file:///\\serverip\)
* You will be asking username and password which you have added for samba.
* After mentioned those credentials, you can see you shared directory. You can create, edit and delete the files from client system, if you have write permission.
* Whatever action you do in client side, it will effect in server like file deleting, adding, updating etc.
* Yo can make this shared directory permanently by mapping it in windows.

**Right click on network**

**Select** **Map a network drive.**

**Mention your url path=\\ip\sharename\**

**Click, finish.**

* It will ask for samba username and password. Give samba credentials.
* The dir will open. add some data to it from both sides.
* To check how many samba servers are there in your network = **findsmb**.
* To check the share name of particular samba server = **smbclient -L //ip**(press enter no passwd).
* To connect to samba server = **smbclient -L //ip/sharename -U username**.
* To mount samba dir on Linux = **mount -t cifs //ip/sharename /mntpoint -o user=username**.