

SETTING NFS SERVER ON **IPA SERVER**

[why installing nfs server]

[because when you login from a computer with a domain user and password and store some file .in ipa server if you login with other computer ,you may login with domain user and password because of the central authentication system(ipa) but you will not find the resources that you make on the other computer with the same domain name,that means your data is not roaming .it stuck with the pc that you use .so it fails to complete the central management cause our target is no matter what ip client pc you are using you can login your domain username and password and also you will get your file .you dont need to sit in the same computer.To make that happen we make a nfs server]

[where we install the nfs server]

[you can install the nfs server in the IPA server. but it is not recommended . Although in this example we use the ipa server as a nfs server .you can install nfs server at any active ipa client[for example you can install it on “client1”].Basically we choose a client which has a lot of space because all the users resources will save in the nfs server .]

STEPS

[nfs server]

step1: choose the server

1) we choose the ipa server as a nfs server [ipa.it.local]

step2: install the nfs server packages

1) sudo yum install nfs-utils

step3: Edit the file /etc/exports

1) vim /etc/exports

/home *(rw, sync)

step3: start the nfs server

- 1) systemctl enable nfs-server
- 2) systemctl start nfs-server

step4: start the rpcbind

- 1) systemctl enable rpcbind
- 2) systemctl start rpcbind

step5: adding firewall rules

- 1) firewall-cmd --permanent --add-service nfs
- 2) firewall-cmd --reload

step6: see the mounted volume for nfs server

1) showmount -e

[if everything goes right you will see the directory that is mounted]

IPA CLIENT CONFIGURATION

[you have to configure the client1 again to sync data with nfs server]

step1: install the nfs utils packages

1) sudo yum install nfs-utils

step2: edit /etc/auto.master

1) vim /etc/auto.master

add this line:

/home /etc/auto.autofs

step3: create /etc/auto.autofs

1) vim /etc/auto.autofs

add this line:

syntax: * <ipa_server>:/home/&

*** ipa:/home/&**

[for example if the client1 is the nfs server the command will be

*** client1:/home/&**

remember, not the whole domain name just the client name is used

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step4: start the autofs process

1) systemctl enable autofs

2) systemctl start autofs

[after that you can login with any ipa client with domain and password and you will find your own resources]