Network Information Service,
NIS was developed by SunMicro Systems in the mid 1980's. The two common
authentication senices are the Network interface service (NIS) and
Light Weight Directory Access protocol Both NIS and LDAp allow
centralisation user accounts.
NIS originally called yellow pages, was invented to simplify the
management of /etc/hosts and /etc/passwd. NIS has client server model.

* The NIS server maintains the database of all server accounts in the
form of maps.
* NIS clients are the hosts that requiest information from the maps.
* The NIS sere er and NIS client must be in a same NIS domain name.
* Initially SunMicro systems had the name YP(yellow pages) for this
service . Because of patent problems
  the vp name had changed to NIS. But the service and configuration files
still having the name YP.

Server Side : (192.168.0.1)
Requirements
packages =
1 YPsery
2 ypbind
3 yp-tools

port no = NIS server random port numbers

TO see the port number information :
rpcinfo -p

Config File : /var/yp/make
Service : yppasswdd, ypserv.
Deamon : yppasswdd, yp serv.

Server side Configuration :
Install the packalies :
rpm -ivh yp* --force --aid
(or)
yum install yp* -y

Configure the NIS Domain name :
To check the NIS domain name : #nisdomain name.
tempararily :
nisdomainname india.com

Permanently:
# vi /etc/syconfig/network
  NETWORKING = yes
  HOSTNAME = sun1.india.com
  NISDOMAIN = india.com

Open the Configuration File :
vi /var/yp/make file
Check 23 line number remove #

Restart the below services :
Service Portmap restart
Service yppasswd restart
Service ypsery restart

To update the usergroup database files to the NIS server

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# /usr/lib/yp/ypinit -m
press ctrl+d at next host to add colon

Create the users and give the password :
# useradd Linux
# passwd Linux

To update the modifications to NIS server :
# cd/var/yp
# make

configure the NFS Service
Install the packages :
# rpm -ivh nfs* --force --aid
# vi /etc/exports
Add this line to above file
/home 192.168.0.0 /255.255.255.0(rw,sync)

Restart the port map service
# service portmap restart
Restart the nfs service:
# service nfs restart

Client side config of NIS : (192.168.0.2)
Client Side requirements :
packages :
1 ypbind
2 yp-tools

Install the packages :
# rpm -ivh ypbind* yp-tools* --force --aid
or
# yum install ypbind* -y
# yum install yp-tools* -y

Cornfigure the Domain Name Tempararily:
# nisdomainname india.com

Permanently :
# vi /etc/sysconfig/network
  NISDOMAIN = india.com

Bind with the server:
# authconfig-tui

Select NIS option  => next => put NIS server ipaddress => ok.

To check servername
# ypwhich

mount to the server home directo with local directory
# mount 192.168.0.1:/home /home
Now logn as a user Linux and provide the password
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