

## LAB :: User management on Linux

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- In this LAB we will see various types of User Management option in Ubuntu system
- OS Ubuntu 14.04

### Login to your server

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- Windows: use puTTY
- Mac and Linux: use your terminal
- Username `apnic` and password `training`
- Login to your server using the above username and password.

### User account creation

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To create a user name `sysadmin1`, type the following command and press enter:

```
sudo adduser sysadmin1  
[sudo] password for apnic:
```

After pressing enter, it will ask you for the password of login user in our case the user is `apnic`. Provide the password and press enter:

```
perl: warning: Setting locale failed.  
perl: warning: Please check that your locale settings:  
    LANGUAGE = "en_US:en",  
    LC_ALL = (unset),  
    LC_CTYPE = "UTF-8",  
    LANG = "en_US.UTF-8"  
are supported and installed on your system.  
perl: warning: Falling back to the standard locale ("C").
```

```
Adding user `sysadmin1' ...
Adding new group `sysadmin1' (1001) ...
Adding new user `sysadmin1' (1001) with group `sysadmin1' ...
Creating home directory `/home/sysadmin1' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
```

The system will ask you a password for the new user `sysadmin1`. Enter a password and press enter. Again, it will ask you for the password as a confirmation. Provide the same password again and press enter:

```
passwd: password updated successfully
Changing the user information for sysadmin1
Enter the new value, or press ENTER for the default

    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:

Is the information correct? [Y/n] Y
```

The system will show you a message that the password is updated successfully. After that it will ask you some information about the new user. For simplicity, we leave this field empty. Just press enter until you see “Is the information correct? [Y/n]” message. Type Y and press enter. The `sysadmin1` user is successfully created in the system.

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## **Login with the new user**

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Let's login with our new user `sysadmin1`. Type the following command, press enter and provide the password for `sysadmin1` user.

```
su - sysadmin1
```

```
Password:
```

You should be login now with the new user. Type the following command and check the output.

```
pwd
```

```
/home/sysadmin1
```

## **Disable user account**

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In some case you need to disable the user account. Logout from `sysadmin1` user. Type the below command to disable the user account.

```
sudo passwd -l sysadmin1
```

```
[sudo] password for apnic:
```

```
passwd: password expiry information changed.
```

Now try to login with `sysadmin1` user. You should see the "Authentication failure" message.

## **Enable user account**

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After disable the account you may need to enable the account again. There are two options which you can enable the account.

**Options 1:** Change the disable user account password by typing the following command.

```
sudo passwd sysadmin1
```

```
Enter new UNIX password:
```

```
Retype new UNIX password:
```

```
passwd: password updated successfully
```

**Options 2:** Type the below command to enable the user account.

```
sudo passwd -u sysadmin1  
passwd: password expiry information changed.
```

You can now login to the account again.

## **Add user to sudo group**

Login with the `sysadmin1` user and try to run the following command and see the output.

```
sudo ls /etc/  
[sudo] password for sysadmin1:  
sysadmin1 is not in the sudoers file. This incident will be reported.
```

The user is not authorized to run commands with `sudo` privilege. We need to add the user in `sudo` group to run command with `sudo` privilege. Logout from `sysadmin1` user account and login with `apnic` user and type the below command to add the user in `sudo` group.

```
sudo usermod -aG sudo sysadmin1
```

This will add the user in `sudo` group (`a` = Append, `G` = Group). Now login again with `sysadmin1` user and try the `sudo ls /etc/` command. This time it should run successfully.

## **Enable root user**

By default, the `root` user is disabled in all Ubuntu systems. If for some reason you want to enable it simply give it a password. Type the following command to enable the `root` user.

```
sudo passwd
```

sudo first ask you to provide your account password and then the new password for the root account as shown below. Provide the password for the root account.

```
[sudo] password for apnic: (enter your own password)
Enter new UNIX password: (enter a new password for root)
Retype new UNIX password: (repeat new password for root)
passwd: password updated successfully
```

## **Delete user account**

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If you need to delete the user account permanently type the following.

```
sudo deluser --remove-all-files sysadmin1
```

This command will remove the user account, including the home directory from the system.

```
*****END of LAB*****
```