Use this command to download the package first

wget <https://packages.chef.io/files/stable/chefdk/2.4.17/ubuntu/16.04/chefdk_2.4.17-1_amd64.deb>

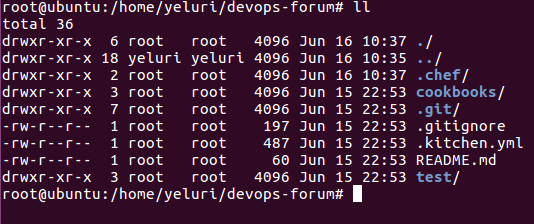
* now type in this following command
  + dpkg -i chefdk\_2.4.17-1\_amd64.deb
  + this will install the latest version of chef – development kit
* Once install with chef DK, now we need to setup the configuration of CHEF DK by following the steps below
  + Before to that we need to install Git by using the following steos to set up the GIT env on Ubuntu
    - apt-get update
    - apt-get install git
    - Now we need to set the user on the GIT env that was installed previously, so follow the steps below:
      * Open Terminal
      * Set a Git username
        + $ git config --global user.name "DevopsForum.info"
        + To check whether the username is set or not, you need to check with the below mentioned command and it should give the username which is set previously,

$ git config --global user.name

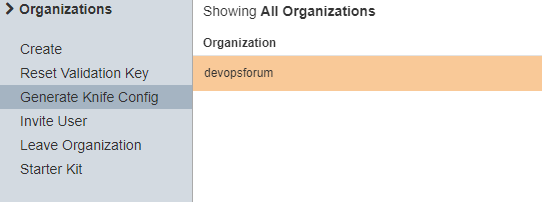
* + - * Now you to configure the email ID for the above configured username, for this you need to follow the below mentioned step:
        + git config --global user.email “[devopsforum@gmail.com](mailto:devopsforum@gmail.com)”
        + To check whether the email is set or not, you need to check with the below mentioned command and it should give the email which is set previously,

$ git config --global user.email

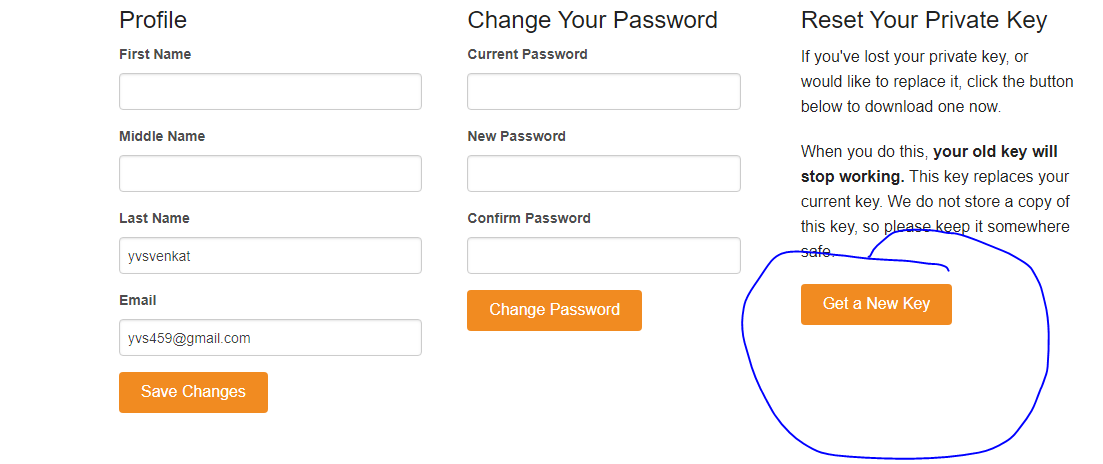
* + Now you need to create the CHEF Repo and there are 2 ways to create this
    - Use the starter kit by using its GUI
    - Manually by using the CLI for GIT
  + So we will see the manual creation of CHEF repo now and for this you need to follow the below mentioned steps carefully:
    - Now we will see the example command below, with repo name as devops-forum
      * $ chef generate app devops-forum
  + Now we will proceed in creating the **.chef** Directory and also creating 3 files in this directory, so for this step please follow the below mentioned steps,
    - The files that need to be created are:
      * Knife.rb
      * ORGANIZATION-validator.pem
      * USER.pem
    - Among the above files, the **ORGANIZATION and USER** are meant to represent strings that will be unique to each organization.
    - **Note:** The files need to be present in the **.chef** directory that we will be creating now,
  + To create the **.chef** directory:
    - Go into the devops-forum directory – cd devops-forum
    - Then create the .chef folder using the command,
      * mkdir .chef
    - to check for the folder try this:
      * ll and you need to see like the below screen



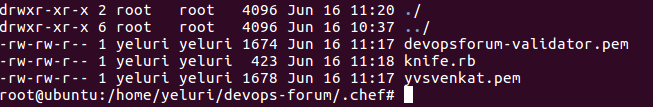
* Knife.rb
* ORGANIZATION-validator.pem
* USER.pem
* To get the above files you need to login to your chef account by following the steps,
* [https://manage.opscode.com/organizations](https://www.youtube.com/redirect?event=video_description&v=7n8ig6qJ5r0&q=https%3A%2F%2Fmanage.opscode.com%2Forganizations&redir_token=1KD5O3RTq87cCewCQQJiwZ_A7St8MTUyOTI1NzY4NEAxNTI5MTcxMjg0) - this will take you to create the organization and then once the organization is created you can select the option of generating the **knife.rb** file



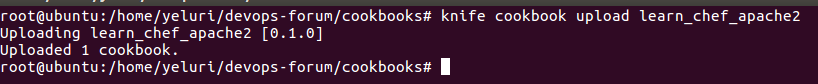
* This will download the requied file – **“knife.rb”**
  + then forthe **ORGANIZATION-validation key –** you to select the option Reset validation key and this will download the organization-validation key named as **“devopsforum-validator.pem”**
  + Now to create the final file (i.e. **USER.pem**) –
    - you need to go to the user account section and check for the change password option and over in that screen you can find the “**create New key”**  download the file and it will give a file named as **“username”.pem**



* Now the downloaded 3 files need to be moved to the .chef directory which we created using the previous steps,
  + - mv ~/Downloads/knife.rb .chef/
    - mv ~/Downloads/USER.pem .chef/
    - mv ~/Downloads/ORGANIZATION-validator.pem .chef/
  + **Note: the folder structure might be different from mine so don’t worry just move the files to .chef folder.**
  + You will see the following files moved to the **.chef** directory as mentioned below,



* Now we will look into how to setup the cookbook which we created previously
  + go into the cookbooks directory which we created previously in the devops-forum directory
  + now we need to get the “**learn\_chef\_apache2”** cookbook from gitHUb
  + use this command to get the clone of cookbook from github using the command
    - git clone <https://github.com/learn-chef/learn_chef_apache2.git>
  + now we need to upload the downloaded cookbook to chef-server and for this we need to follow the below command,
    - knife cookbook upload learn\_chef\_apache2



* + With this we can conclude this section and we learnt how to clone the github project to the chef server and how to install the cookbook.