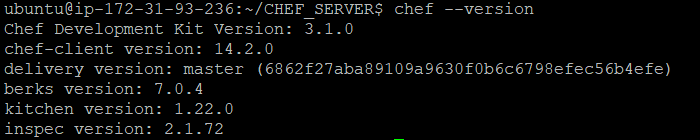
**How to Use a hosted Chef Server for Configuration Management**

1. **Work Station Setup**
2. **Download A Chef DK as per the platform you want to use.**

<https://downloads.chef.io/chefdk>

1. **I am using a Debian machine(ubuntu) for the Project.**
2. mkdir CHEF\_DK #In your home directory /home/ubuntu/
3. Download : sudo wget <https://packages.chef.io/files/stable/chefdk/3.1.0/debian/9/chefdk_3.1.0-1_amd64.deb>
4. Install : sudo apt install ./chefdk\_3.1.0-1\_amd64.deb
5. **Check the version of Chef DK installed.**



1. **Make a working directory.**

mkdir ~/learn-chef

1. **Check for git and place the configuration when you have to commit it to the repo**
2. ubuntu@ip-172-31-93-236:~/CHEF\_SERVER$ git --version

git version 2.7.4

1. ubuntu@ip-172-31-93-236:~/CHEF\_SERVER$ git config --global user.name "Deepak Kumar"

ubuntu@ip-172-31-93-236:~/CHEF\_SERVER$ git config --global user.email [deepak2717@gmail.com](mailto:deepak2717@gmail.com)

1. **HOSTED Server Setup for Workstation**
2. **Create a login account in :** [**https://manage.chef.io/signup/**](https://manage.chef.io/signup/)

After that, navigate to <https://manage.chef.io/login> and sign in. Then follow these steps to create an organization.

Click **Create New Organization**.

Enter a full name and short name for your organization. An organization is typically a company name or a department within a company. These names can be whatever you want but the short name must be unique.

Click **Create Organization**.

1. **In Workstation machine create a .chef file inside your working directory.**

mkdir ~/learn-chef/.chef

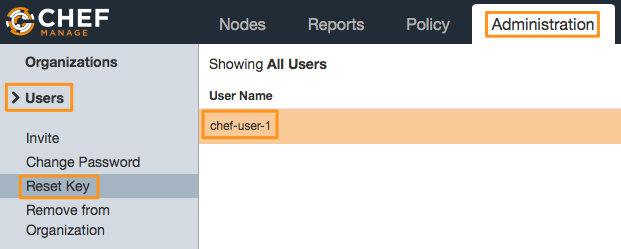
1. **Generate a knife configuration file**
2. Login to the manage chef.
3. From the administration tab select your organization
4. And click on generate knife config. Save the file in your machine and we need to copy to workstation .chef directory
5. Using gitbash I copied the knife.rb file to the workstation

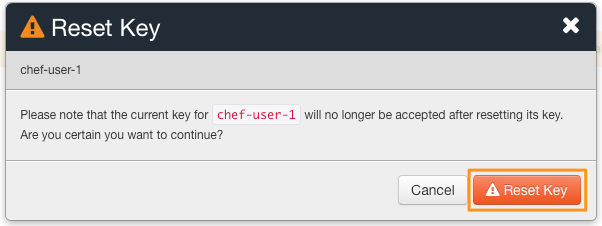
scp -i MyNewEC2\_KP.pem /c/Users/Nivaan/Downloads/knife.rb [ubuntu@35.171.28.150:/home/ubuntu/learn-chef/.chef](mailto:ubuntu@35.171.28.150:/home/ubuntu/learn-chef/.chef)

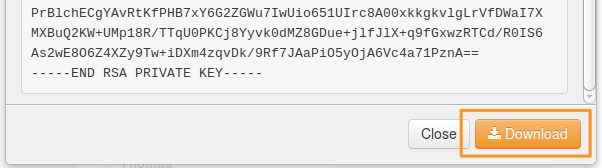
1. **Generate your RSA private key**

Here's how to create your RSA private key. Your file will be located at ~/learn-chef/.chef/*<username>*.pem, where <username> is the name you chose when you created your hosted Chef account.

1. Sign in to <https://manage.chef.io/>.
2. From the **Administration** tab, select **Users** from the menu on the left.
3. Select your user name, select **Reset key** from the menu on the left.

1. Select **Reset key** from the window that appears.

1. A second window appears that displays your private key. From the bottom of that window, click **Download** to download your private key file.

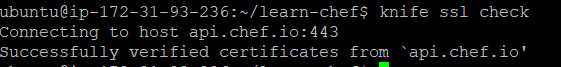
1. From the command line, copy your private key file to your ~/learn-chef/.chef directory. For example:

|  |
| --- |
| cp ~/Downloads/username.pem ~/learn-chef/.chef |

Your RSA private key should resemble this one.

|  |  |
| --- | --- |
| cat ~/learn-chef/.chef/username.pem-----BEGIN RSA PRIVATE KEY----------END RSA PRIVATE KEY----- | |
|  | You should treat your RSA private key like you would any other sensitive information, such as SSH keys or passwords. Never commit your RSA private key to your version control system. Git users typically add the .chef directory to their [gitignore file](https://git-scm.com/docs/gitignore). |

1. **Verify Your connection to the Chef Server**
2. Make sure you're in the ~/learn-chef directory.
3. Next, validate that your ~/learn-chef/.chef contains your knife.rb file and your private key file. (Your user name will appear instead of "chef-user-1.pem".)
4. Now, run the knife ssl check command to validate your connection to the Chef server.



At this point, you have two of the three parts of a typical Chef setup. Your workstation is set up and you have access to the Chef server.