Chef Server Installation and Configuration

1. Download chef-server

CentOS 6.x:
```
$ wget https://packages.chef.io/stable/el/6/chef-
server-core-12.8.0-1.el6.x86_64.rpm
```

CentOS 7.x:
```
$ wget https://packages.chef.io/stable/el/7/chef-
server-core-12.8.0-1.el7.x86_64.rpm
```

2. Install chef-server

```
rpm -Uvh /tmp/chef-server-core-12.2.0-1.el6.x86_64.rpm
```

Note: you might need to change file permission before you can install via rpm command.

3. Configure chef-server and start services

```
$ chef-server-ctl reconfigure
```

Once the above command is completed successfully, we have chef server components installed and configured on the server.

4. Configure chef-server and start services

You can actually have an optional web interface for chef as well. This web interface is called as chef manage. It can be installed using the below command.

```
$ $ chef-server-ctl install chef-manage
$ chef-server-ctl reconfigure
$ chef-manage-ctl reconfigure
```

Once the above three commands succeeds, you have the web interface called chef manage ready for you to use. You can access the web interface by either using the IP address of your server or the DNS name of the server (if you have DNS configured correctly in your environment.)

5. Create an administrator user

```
$  chef-server-ctl  user-create  user_name  first_name
last_name email password --filename FILE_NAME
```

Example
```
chef-server-ctl user-create chefadmin chef administrator
Sharique.k@mycompany.com   p@ssword   --filename   /home/
vagrant/chefadmin.pem
```

Note: Once above step is complete, an RSA private key is generated automatically. This is the user's private key and should be saved to a safe location. The --filename option will save the RSA private key to a specified path.

6. Create an Organization

```
chef-server-ctl org-create short_name "full_organization_name" --
association_user user_name --filename ORGANIZATION-validator.pem
```

Example
```
chef-server-ctl org-create chef-lab "Chef Lab" --association_user
chefadm --filename /home/chefadm/cheflab-validator.pem
```

Note: Once above step is complete, an RSA private key is generated automatically. This is the organization-validator key and should be saved to a safe location. The --filename option will save the RSA private key to a specified path.

7. Add a user to existing Organization

```
chef-server-ctl   org-user-add   ORG_NAME   USER_NAME
(options)
```

Example:
```
$ chef-server-ctl org-user-add chef-lab appsadm
```