

**Install and run chef-solo in minutes**  
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Install chef  
=====

```
curl -L https://www.opscode.com/chef/install.sh | bash
```

Check  
=====

```
# chef-solo -v  
Chef: 11.6.2
```

Setup chef repository  
=====

```
#wget http://github.com/opscode/chef-repo/tarball/master
```

```
#tar zxvf master  
opscode-chef-repo-f9d4b0c/  
opscode-chef-repo-f9d4b0c/.gitignore  
opscode-chef-repo-f9d4b0c/LICENSE  
opscode-chef-repo-f9d4b0c/README.md  
opscode-chef-repo-f9d4b0c/Rakefile  
opscode-chef-repo-f9d4b0c/certificates/  
opscode-chef-repo-f9d4b0c/certificates/README.md  
opscode-chef-repo-f9d4b0c/chefignore  
opscode-chef-repo-f9d4b0c/config/  
opscode-chef-repo-f9d4b0c/config/rake.rb  
opscode-chef-repo-f9d4b0c/cookbooks/  
opscode-chef-repo-f9d4b0c/cookbooks/README.md  
opscode-chef-repo-f9d4b0c/data_bags/  
opscode-chef-repo-f9d4b0c/data_bags/README.md  
opscode-chef-repo-f9d4b0c/environments/  
opscode-chef-repo-f9d4b0c/environments/README.md  
opscode-chef-repo-f9d4b0c/roles/  
opscode-chef-repo-f9d4b0c/roles/README.md
```

```
#mv opscod-chef-repo-f9d4b0c/ chef-repo
```

```
# ls chef-repo/  
certificates  config      data_bags   LICENSE    README.md  
chefignore    cookbooks  environments Rakefile   roles
```

Notice the directory structure created in the chef repository?

Create .chef directory inside chef-repo  
=====

```
# mkdir chef-repo/.chef
```

Setup a local cookbook path  
=====

```
# vi chef-repo/.chef/knife.rb

cookbook_path [ '/root/chef-repo/cookbooks' ]

Create your first cookbook
=====

# knife cookbook create ntp
** Creating cookbook ntp
** Creating README for cookbook: ntp
** Creating CHANGELOG for cookbook: ntp
** Creating metadata for cookbook: ntp

Here's the cookbook
=====

# ls chef-repo/cookbooks/ntp/
attributes      definitions  libraries    providers    recipes
templates
CHANGELOG.md   files      metadata.rb  README.md   resources

Writing your first recipe
=====

# vi chef-repo/cookbooks/ntp/recipes/default.rb
package 'ntp'

This will install ntp if it is not installed. If it is already
installed, it will do nothing.

Now configure your server using chef-solo
=====

# vi chef-repo/solo.rb
file_cache_path "/root/chef-solo"
cookbook_path "/root/chef-repo/cookbooks"

# vi web.json
{
    "run_list": [ "recipe[ntp]" ]
}

Ensure ntp is not installed
=====

# yum remove -y ntp

Use chef-solo to configure your server
=====

# chef-solo -c chef-repo/solo.rb -j chef-repo/web.json
Starting Chef Client, version 11.6.2
Compiling Cookbooks...
Converging 1 resources
```

```
Recipe: ntp::default
  * package[ntp] action install
    - install version 4.2.4p8-3.el6.centos of package ntp
```

Chef Client finished, 1 resources updated

Confirm ntp is installed

=====

```
# yum info ntp
```

Notes

=====

### **Uninstall chef**

```
#yum remove -y chef
```

### **Other ways to install chef**

```
# wget https://www.opscode.com/chef/install.sh
```

```
# bash install.sh
```

or

Go <http://www.opscode.com/chef/install/> and select your distro, distro version and architecture. Download the package.

In my case, I use CentOS:

```
# wget https://opscode-omnibus-packages.s3.amazonaws.com/el/6/x86\_64/chef-11.6.2-1.el6.x86\_64.rpm
```

```
# yum localinstall -y chef-11.6.2-1.el6.x86_64.rpm
```

### **Another to setup your chef repo**

```
# git clone git://github.com/opscode/chef-repo.git
```

```
# ls chef-repo/
```

```
certificates  chefireignore  config  cookbooks  data_bags  environments
```

```
LICENSE  Rakefile  README.md  roles
```

### **References**

1. <http://gettingstartedwithchef.com/first-steps-with-chef.html>
2. <https://learnchef.opscode.com/starter-use-cases/ntp/>

