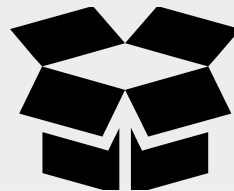# Berkshelf

Berkshelf is a cookbook management tool that allows us to upload your cookbooks and all of its dependencies to the Chef Server.

http://berkshelf.com

Change to the cookbooks/myhaproxy Directory

```
$ cd cookbooks/myhaproxy
```

Run berks --help

```
$ berks --help
```

```
Commands:
  berks apply ENVIRONMENT       # Apply version locks from Berksfile.lock to a Chef
environment
  berks contingent COOKBOOK     # List all cookbooks that depend on the given cookbook in
your
  berks cookbook NAME [PATH]    # Create a skeleton for a new cookbook
  berks help [COMMAND]          # Describe available commands or one specific command
  berks info [COOKBOOK]         # Display name, author, copyright, and dependency
information
  berks init [PATH]             # Initialize Berkshelf in the given directory
  berks install                 # Install the cookbooks specified in the Berksfile
  berks list                    # List cookbooks and their dependencies specified by your
  berks outdated [COOKBOOKS]    # List dependencies that have new versions available that
  berks package [PATH]          # Vendor and archive the dependencies of a Berksfile
```

Run berks install

```
$ berks install
```

```
Resolving cookbook dependencies...

Fetching 'myhaproxy' from source at .

Fetching cookbook index from https://supermarket.chef.io...

Using build-essential (7.0.2)

Using cpu (1.0.0)

Using compat_resource (12.16.2)

Installing haproxy (2.0.0)

Using myhaproxy (1.0.1) from source at .

Using ohai (4.2.3)

Using seven_zip (2.0.2)

Using mingw (1.2.4)

Using windows (2.1.1)
```

CHEF

See the Berksfile.lock

`$ ls -al (or ls -Force if using Powershell)`

```
drwxr-xr-x 7 chef chef 4096 Aug 27 18:44 .
drwxr-xr-x 4 chef chef 4096 Aug 27 16:17 ..
drwxr-xr-x 8 chef chef 4096 Aug 27 16:07 .git
-rw-r--r-- 1 chef chef  126 Aug 27 15:46 .gitignore
drwxr-xr-x 3 chef chef 4096 Aug 27 18:45 .kitchen
-rw-r--r-- 1 chef chef  183 Aug 27 18:44 .kitchen.yml
-rw-r--r-- 1 chef chef   47 Aug 27 15:46 Berksfile
-rw------- 1 chef chef   77 Aug 27 18:45 Berksfile.lock
-rw-r--r-- 1 chef chef   54 Aug 27 15:46 README.md
-rw-r--r-- 1 chef chef  974 Aug 27 15:46 chefignore
-rw-r--r-- 1 chef chef  198 Aug 27 15:46 metadata.rb
drwxr-xr-x 2 chef chef 4096 Aug 27 16:34 recipes
```

CHEF

See the Contents of the Berksfile.lock

```
$ cat Berksfile.lock
```

```
DEPENDENCIES
  myhaproxy
    path: .
    metadata: true


GRAPH
  build-essential (7.0.2)
    compat_resource (>= 12.14)
    mingw (>= 1.1)
    seven_zip (>= 0.0.0)
  ....
```

Upload the Cookbook to the Chef Server

```
$ berks upload
```

```
Uploaded myhaproxy (0.1.0) to:
'https://api.opscode.com:443/organizations/ORG_NAME'
```

Display Cookbooks within Your Org

```
$ knife cookbook list
```

```
apache              0.2.1
build-essential     7.0.2
compat_resource     12.16.2
cpu                 1.0.0
haproxy             2.0.0
mingw               1.2.4
myhaproxy           0.1.0
ohai                4.2.3
seven_zip           2.0.2
windows             2.1.1
workstation         0.2.1
```