



Chef Fundamentals

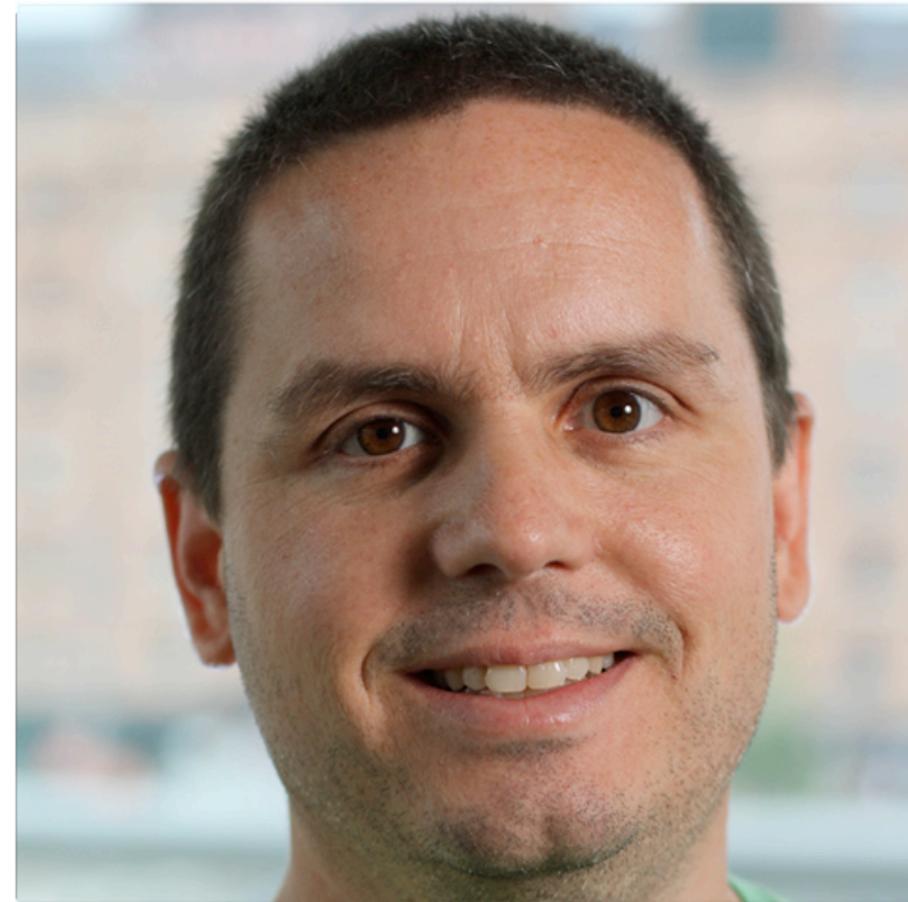
Chef Fundamentals

Chef Fundamentals Webinar Series - Module 6
Roles, Environments, Community Cookbooks, & Further Resources

training@opscode.com

Nathen Harvey

- Technical Community Manager at Opscode
- Co-host of the Food Fight Show Podcast
- @nathenharvey
- nharvey@opscode.com



Roles

Role-based Attributes and Merge Order Precedence

Lesson Objectives

- After completing the lesson, you will be able to
 - Explain what Roles are, and how they are used to provide clarity
 - Manipulate a node's run_list using a Role
 - Use attributes in a Role
 - Show a Role with Knife

What is a Role?

- So far, we've been just adding recipes directly to a single node
- But that's not how your infrastructure works - think about how you refer to servers
 - "***It's a web server***"
 - "***It's a database server***"
 - "***It's a monitoring server***"

What is a Role?

- Roles allow you to conveniently encapsulate the run lists and attributes required for a server to "be" what you already think it is
- In practice, Roles make it **easy to configure many nodes identically** without repeating yourself each time

Exercise: Create the webserver role



OPEN IN EDITOR: roles/webserver.rb

- A Role has a:

- name
- description
- run_list

```
name "webserver"
description "Web Server"
run_list "recipe[my-company]", "recipe[apache]"
default_attributes(
  "company" => "Opscode"
)
```

SAVE FILE!

Exercise: Create the role

Updated Role webserver!

Exercise: Create the role

```
$ knife role from file webserver.rb
```

Updated Role webserver!

When you combine merge
order and precedence
rules, you get this:

Merge Order and Precedence

	Attribute Files	Node / Recipe	Environment	Role
default	1	2	3	4
force_default	5	6		
normal	7	8		
override	9	10	12	11
force_override	13	14		
automatic			15	

Environments

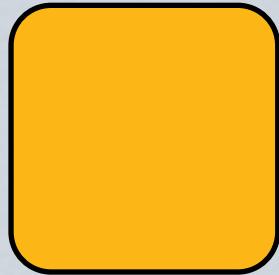
Cookbook Version Constraints

Lesson Objectives

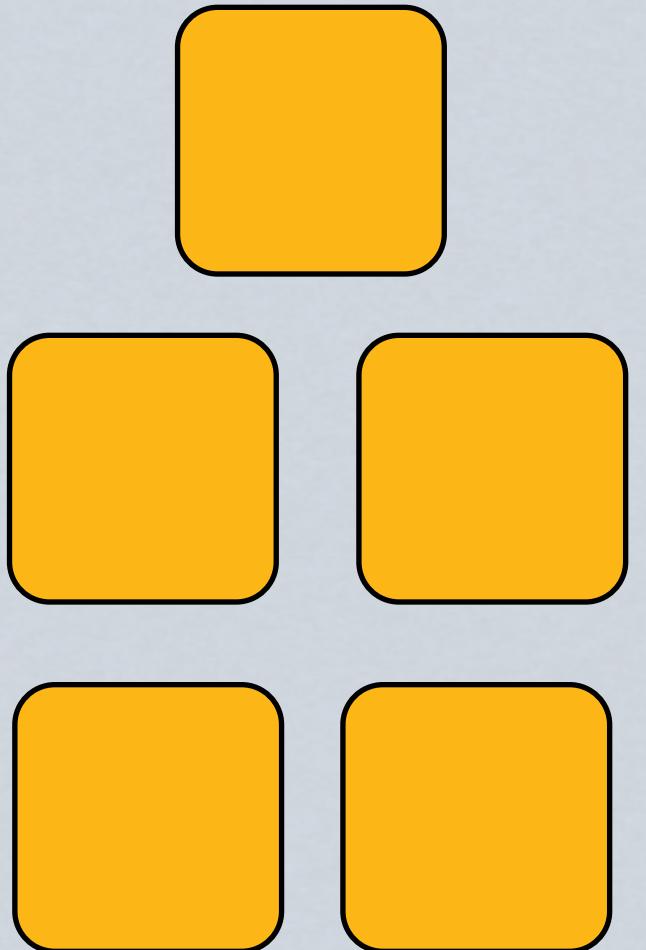
- After completing the lesson, you will be able to
 - Describe what an Environment is, and how it is different from an Organization
 - Set cookbook version constraints

Environments

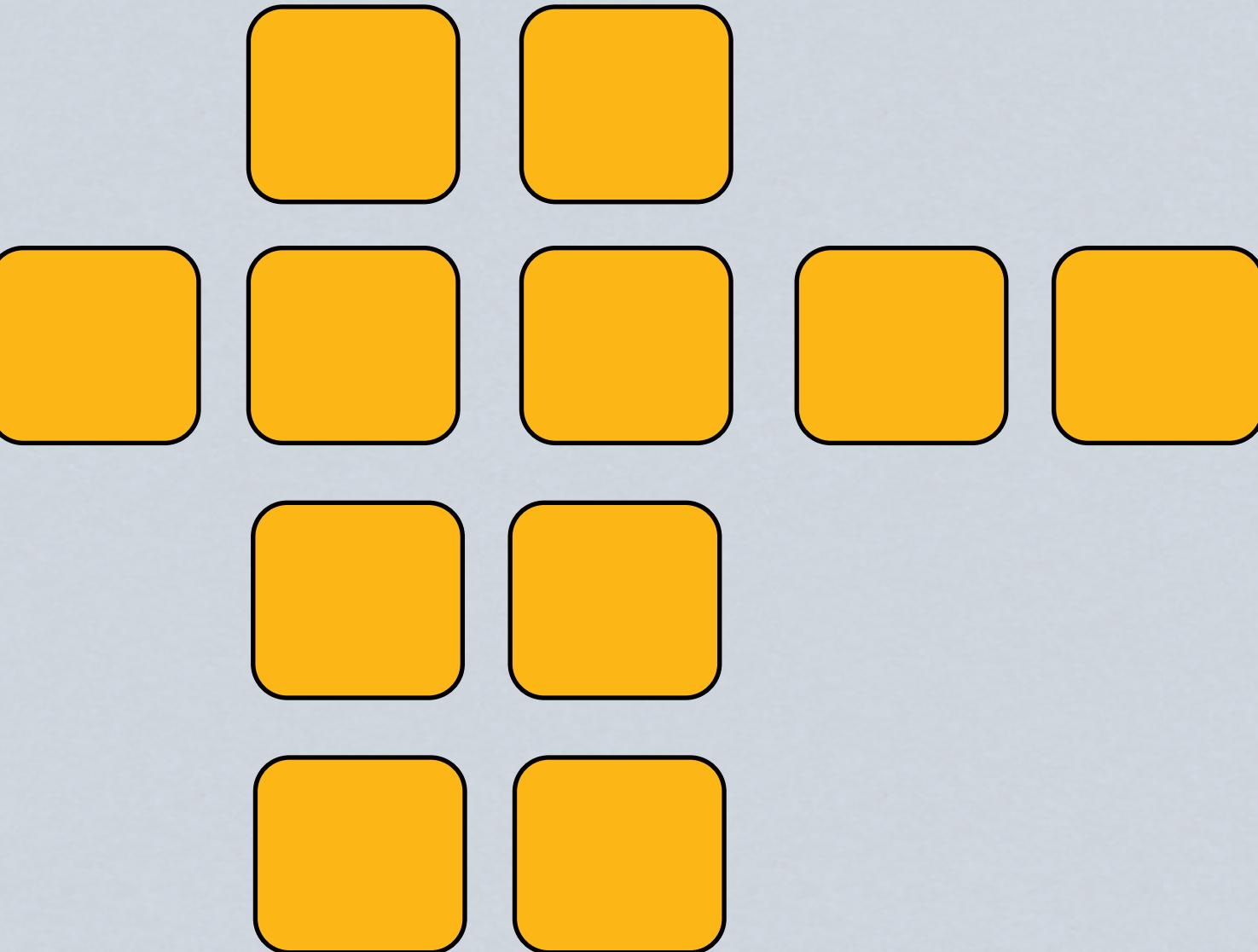
Development



Staging



Production



Organization

Environments

- Every Organization starts with a single environment
- Environments reflect your patterns and workflow
 - Development
 - Test
 - Staging
 - Production
 - etc.

Environments Define Policy

- Each environment may include attributes necessary for configuring the infrastructure in that environment
 - Production needs certain Yum repos
 - QA needs different Yum repos
 - The version of the Chef cookbooks to be used

Environment Best Practice

- Best Practice: If you need to share cookbooks or roles, you likely want an Environment rather than an organization
- Environments allow for isolating resources within a single organization

Using Community Cookbooks

Open Source: Saving you time!

Lesson Objectives

- After completing the lesson, you will be able to
 - Use the Opscode Chef Community site to find, preview and download cookbooks
 - Use knife to work with the Community Site API
 - Download, extract, examine and implement cookbooks from the Community site

The easy way...

- We've been writing some cookbooks so far...
- Hundreds already exist for a large number of use cases and purposes. Many (but only a fraction) are maintained by Opscode.
- Think of it like RubyGems.org, CPAN.org, or other focused plugin-style distribution sites.

Exercise: Find and preview cookbooks on the community site

Screenshot of the Opscode Community website (community.opscode.com) showing the homepage.

The page features a navigation bar with links for Community Login, Sign Up, Recover Password, Facebook, Twitter, Cookbooks, Users, Chat, and Opscode.com.

A search bar at the top right includes "Search Cookbooks" and "Advanced Search".

The main content area includes:

- Download & Install Chef**: Includes a large Chef logo and a list of links:
 - Quick Start
 - Other ways to install Chef
 - Learn the basics of Chef
 - Learn about Chef's Architecture
 - Plugins for Chef, Knife, and Ohai
- Cookbooks**: A table showing the most popular cookbooks:

Cookbook	Downloads
mysql	*****
apache2	*****
nginx	*****
apt	*****
application	*****
java	*****

[See all cookbooks](#)
- Helpful Links**: A list of links:
 - Plugins for Chef, Knife, and Ohai
 - Source code on github
 - Opscode's bug tracker
 - #chef on irc.freenode.net
 - Presentations on Chef
 - Community MVPs
- Blog Posts**: A summary of recent posts:
 - We had a fantastic webinar last week with Glenn O'Donnell from Forrester Research, Rob Cummings ... [Read more](#)
 - You've heard our founder Adam Jacob talk about it before – software is increasingly becoming ... [Read more](#)
 - I'm very happy and quite proud to announce the successful deployment of erchef on Hosted ... [Read more](#)

[Go to the blog](#)
- Opscode Events**: Information about chef tutorials:
 - 2 Day Chef Fundamentals - Boston
 - Opscode Chef Fundamentals is a 2-day comprehensive instructor-taught course covering...
 - 2 Day Chef Fundamentals - Austin

Exercise: Find and preview cookbooks on the community site

Screenshot of the Opscode Community website (community.opscode.com) showing the Cookbooks section.

The page features a large "Cookbooks!" button with a dashed border and a white arrow pointing to the "Cookbooks" link in the top navigation bar.

Top Navigation:

- Community Login | Sign Up | Recover Password
- Social media links: Facebook, Twitter
- Cookbooks | Users | Chat | Opscode.com

Search Bar:

Search Cookbooks Advanced Search

Download & Install Chef:

Download & Install Chef



- Quick Start
- Other ways to install Chef
- Learn the basics of Chef
- Learn about Chef's Architecture
- Plugins for Chef, Knife, and Ohai

Cookbooks:

Cookbook Name	Downloads	
mysql	*****	14575 downloads
apache2	*****	11704 downloads
nginx	*****	10061 downloads
apt	*****	8061 downloads
application	*****	7355 downloads
java	*****	7099 downloads

[See all cookbooks](#)

Helpful Links:

- Plugins for Chef, Knife, and Ohai
- Source code on github
- Opscode's bug tracker
- #chef on irc.freenode.net
- Presentations on Chef
- Community MVPs

Blog Posts:

We had a fantastic webinar last week with Glenn O'Donnell from Forrester Research, Rob Cummings ... [Read more](#)

You've heard our founder Adam Jacob talk about it before – software is increasingly becoming ... [Read more](#)

I'm very happy and quite proud to announce the successful deployment of erchef on Hosted ... [Read more](#)

[Go to the blog](#)

Opscode Events:

[2 Day Chef Fundamentals - Boston](#)
Opscode Chef Fundamentals is a 2-day comprehensive instructor-taught course covering...

[2 Day Chef Fundamentals - Austin](#)

Exercise: Search for a chef-client cookbook

The screenshot shows the Opscode Community website interface. At the top, there's a navigation bar with links for 'Community Login', 'Sign Up', 'Recover Password', social media icons for Facebook and Twitter, and a 'Reader' link. Below the navigation is a search bar with 'Search Cookbooks' and 'Advanced Search' options. A prominent orange button on the right says 'Add a New Cookbook'. To the right of the main content area, there are two boxes: one for 'Need Help?' and another for 'REST API'.

All Categories

[See all Cookbooks](#)

Databases

- [mysql](#) ★★★★ 14575 downloads
- [postgresql](#) ★★★★ 5750 downloads
- [database](#) ★★★★ 3710 downloads

[See all](#)

Web Servers

- [apache2](#) ★★★★ 11704 downloads
- [nginx](#) ★★★★ 10061 downloads
- [passenger_apache2](#) ★★★★ 1788 downloads

[See all](#)

Monitoring & Trending

- [zabbix](#) ★★★★ 4533 downloads
- [nagios](#) ★★★★ 4272 downloads
- [newrelic](#) ★★★★ 3049 downloads

[See all](#)

Package Management

- [apt](#) ★★★★ 8061 downloads
- [yumrepo](#) ★★★★ 3576 downloads
- [yum](#) ★★★★ 3199 downloads

[See all](#)

Networking

- [etc](#)

Add a New Cookbook

Need Help?
If you have questions, or you're stuck, we're here to help.

[Get Help](#)

REST API
Access all cookbooks on this site programmatically.

[Learn More](#)

Exercise: Search for a chef-client cookbook

The screenshot shows the Opscode Community website homepage. A large search bar at the top contains the text "Search for: chef-client". An arrow points from this search bar towards the right side of the page. Below the search bar, there's a navigation menu with links for "Community Login", "Sign Up", "Recover Password", "Cookbooks", "Users", "Chat", and "Opscode.com".

On the left, there's a sidebar with categories like "All Categories", "See all Cookbooks", "Databases", "Process Management", "Programming Languages", and "Applications".

The main content area displays a grid of popular cookbooks. Some visible entries include:

- Databases:** mysql (14575 downloads), postgresql (5750 downloads), database (3710 downloads)
- Web Servers:** apache2 (11704 downloads), nginx (10061 downloads)
- Monitoring & Trending:** zabbix (4533 downloads), nagios (4272 downloads), newrelic (3049 downloads)
- Package Management:** apt (8061 downloads), yumrepo (3576 downloads), yum (3199 downloads)

On the right side, there are two callout boxes: "Add a New Cookbook" and "Need Help?". The "Need Help?" box contains text: "If you have questions, or you're stuck, we're here to help." with a "Get Help" link. The "REST API" box contains text: "Access all cookbooks on this site programmatically." with a "Learn More" link.

Search Results...

Search Results for chef-client – Opscode Community

community.opscode.com/search?query=chef-client&scope=cookbook

Community Login | Sign Up | Recover Password f t

OPSCODE COMMUNITY

Cookbooks | Users | Chat Opscode.com >

Search chef-client Advanced Search

Search results for 'chef-client'

[chef-client](#) 2469 downloads 84 followers

Platforms: centos (>= 0.0.0), debian (>= 0.0.0), fedora (>= 0.0.0), freebsd (>= 0.0.0), mac_os_x (>= 0.0.0), mac_os_x_server (>= 0.0.0), openbsd (>= 0.0.0), oracle (>= 0.0.0), redhat (>= 0.0.0), suse (>= 0.0.0), ubuntu (>= 0.0.0), windows (>= 0.0.0)

★★★★★ 6 ratings Category: Utilities

Manages client.rb configuration and chef-client service

[chef-client_syslog](#) 44 downloads 0 followers

★★★★★ 0 ratings Category: Utilities

chef-client log to syslog

[chef-client-cron](#) 100 downloads 0 followers

Platforms: centos (>= 0.0.0), debian (>= 0.0.0), fedora (>= 0.0.0), freebsd (>= 0.0.0), mac_os_x (>= 0.0.0), openbsd (>= 0.0.0), redhat (>= 0.0.0), ubuntu (>= 0.0.0)

★★★★★ 0 ratings Category: Utilities

Manages aspects of only chef-client

[forkable_client](#) 41 downloads 3 followers

★★★★★ 0 ratings Category: Utilities

Provides forked chef-client runs

Search Results...

Search Results for chef-client – Opscode Community

community.opscode.com/search?query=chef-client&scope=cookbook

Community Login | Sign Up | Recover Password f t

OPSCODE COMMUNITY

Cookbooks | Users | Chat Opscode.com >

Search chef-client Advanced Search

Search results for 'chef-client'

chef-client

Platforms: centos (>= 0.0.0), debian (>= 0.0.0), fedora (>= 0.0.0), freebsd (>= 0.0.0), mac_os_x (>= 0.0.0), mac_os_x_server (>= 0.0.0), openbsd (>= 0.0.0), oracle (>= 0.0.0), redhat (>= 0.0.0), suse (>= 0.0.0), ubuntu (>= 0.0.0), windows (>= 0.0.0)

★★★★★ 6 ratings Category: Utilities

Manages client.rb configuration and chef-client service

We're probably looking for this one

chef-client_syslog

★★★★★ 0 ratings Category: Utilities

chef-client log to syslog

chef-client-cron

Platforms: centos (>= 0.0.0), debian (>= 0.0.0), fedora (>= 0.0.0), freebsd (>= 0.0.0), mac_os_x (>= 0.0.0), openbsd (>= 0.0.0), redhat (>= 0.0.0), ubuntu (>= 0.0.0)

★★★★★ 0 ratings Category: Utilities

Manages aspects of only chef-client

forkable_client

★★★★★ 0 ratings Category: Utilities

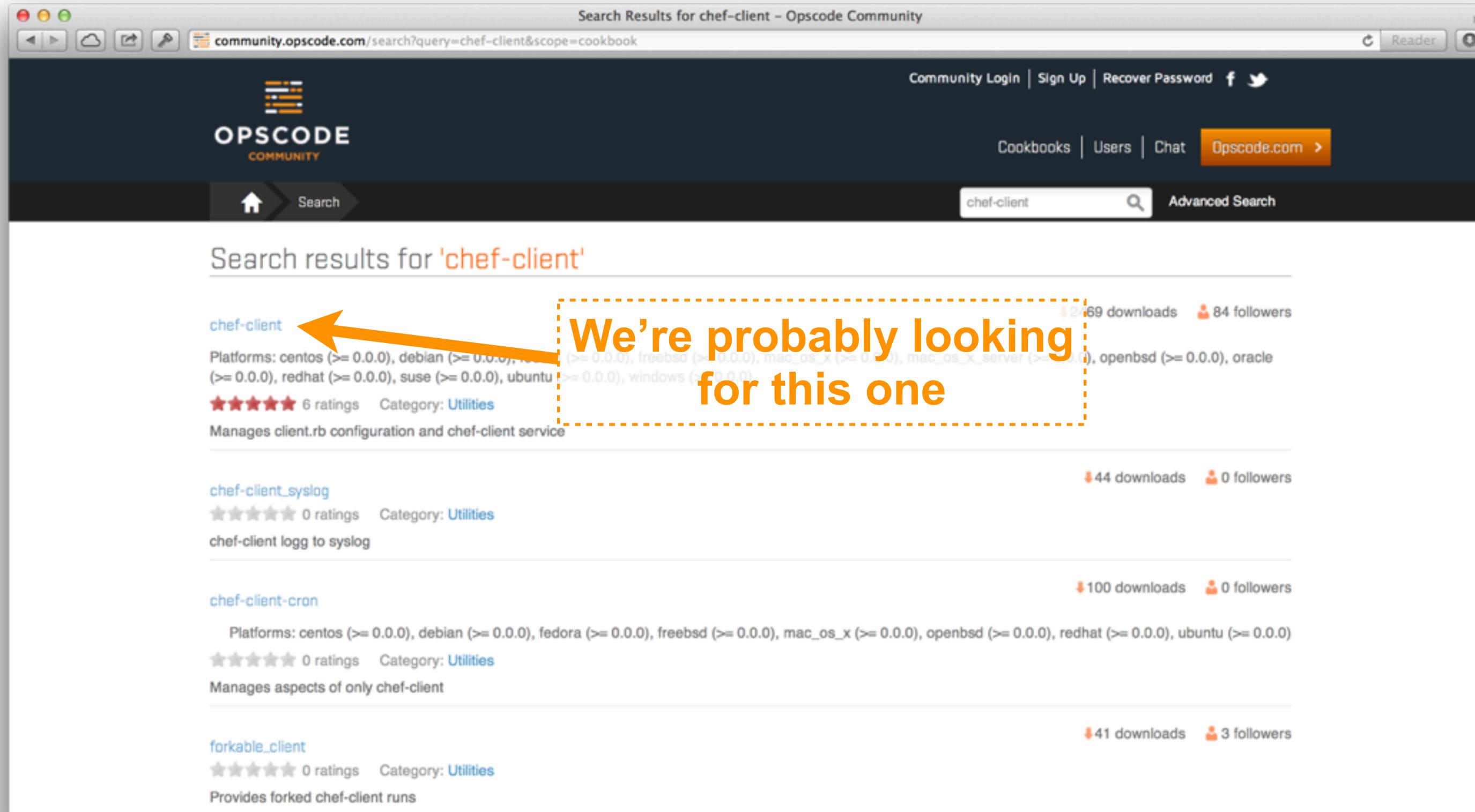
Provides forked chef-client runs

1269 downloads 84 followers

44 downloads 0 followers

100 downloads 0 followers

41 downloads 3 followers



Viewing a cookbook

Chef Cookbook: chef-client – Opscode Community

community.opscode.com/cookbooks/chef-client

Community Login | Sign Up | Recover Password f t

OPSCODE COMMUNITY

Cookbooks | Users | Chat Opscode.com >

Home Cookbooks chef-client Details Comments (8) Source Code Search Cookbooks Advanced Search

chef-client (3.0.4)

★★★★★ 6 ratings Downloaded 2469 times Last updated Jun 12, 2013

Manages client.rb configuration and chef-client service

Category: Utilities
Homepage: <http://github.com/opscode-cookbooks/chef-client>
License: Apache 2.0
Platforms: centos (>= 0.0.0), debian (>= 0.0.0), fedora (>= 0.0.0), freebsd (>= 0.0.0), mac_os_x (>= 0.0.0), mac_os_x_server (>= 0.0.0), openbsd (>= 0.0.0), oracle (>= 0.0.0), redhat (>= 0.0.0), suse (>= 0.0.0), ubuntu (>= 0.0.0), windows (>= 0.0.0)
Created: Dec 16, 2010
Last updated: Jun 12, 2013
Versions: 3.0.4, 3.0.2, 3.0.0, 2.2.4, 2.2.2, 2.2.0, 2.1.10, 2.1.8, 2.1.6, 2.1.4, 2.1.2, 2.1.0, 2.0.2, 2.0.0, 1.2.0, 1.1.4, 1.1.2, 1.1.0, 1.0.4, 1.0.2, 1.0.0, 0.99.5, 0.99.4, 0.99.3, 0.99.2, 0.99.1, 0.99.0

Description

This cookbook is used to configure a system as a Chef Client.

Requirements

Chef 0.10.10 or greater and Ohai 0.6.12 or greater are required due to the use of `platform_family`.

Platforms

The following platforms are tested directly under test-kitchen; see `.kitchen.yml` and `TESTING.md` for details.

Ubuntu 10.04, 12.04

Download

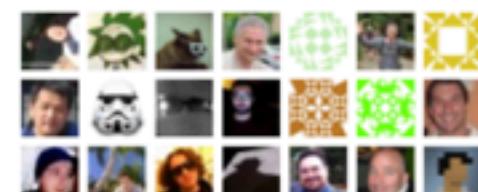
Follow

Maintainer

opscode

Collaborators

84 Followers



Viewing a cookbook

Chef Cookbook: chef-client – Opscode Community

community.opscode.com/cookbooks/chef-client

Community Login | Sign Up | Recover Password f t

OPSCODE COMMUNITY

Cookbooks | Users | Chat Opscode.com >

Home Cookbooks chef-client Details Comments (8) Source Code Search Cookbooks Advanced Search

chef-client (3.0.4)

★★★★★ 6 ratings Downloaded 2469 times Last updated Jun 12, 2013

Manages client.rb configuration and chef-client service

Category: Utilities
Homepage: <http://github.com/opscode-cookbooks/chef-client>
License: Apache 2.0
Platforms: centos (>= 0.0.0), debian (>= 0.0.0), fedora (>= 0.0.0), freebsd (>= 0.0.0), mac_os_x (>= 0.0.0), mac_os_x_server (>= 0.0.0), openbsd (>= 0.0.0), oracle (>= 0.0.0), redhat (>= 0.0.0), suse (>= 0.0.0), ubuntu (>= 0.0.0), windows (>= 0.0.0)
Created: Dec 16, 2010
Last updated: Jun 12, 2013
Versions: 3.0.4, 3.0.2, 3.0.0, 2.2.4, 2.2.2, 2.2.0, 2.1.0, 2.0.4, 2.0.2, 2.0.0, 1.2.0, 1.1.4, 1.1.2, 1.1.0, 1.0.4, 1.0.2, 1.0.0

README displayed on the page (if it has one)

Description

This cookbook is used to configure a system as a Chef Client.

Requirements

Chef 0.10.10 or greater and Ohai 0.6.12 or greater are required due to the use of `platform_family`.

Platforms

The following platforms are tested directly under test-kitchen; see `.kitchen.yml` and `TESTING.md` for details.

Ubuntu 10.04, 12.04

Download

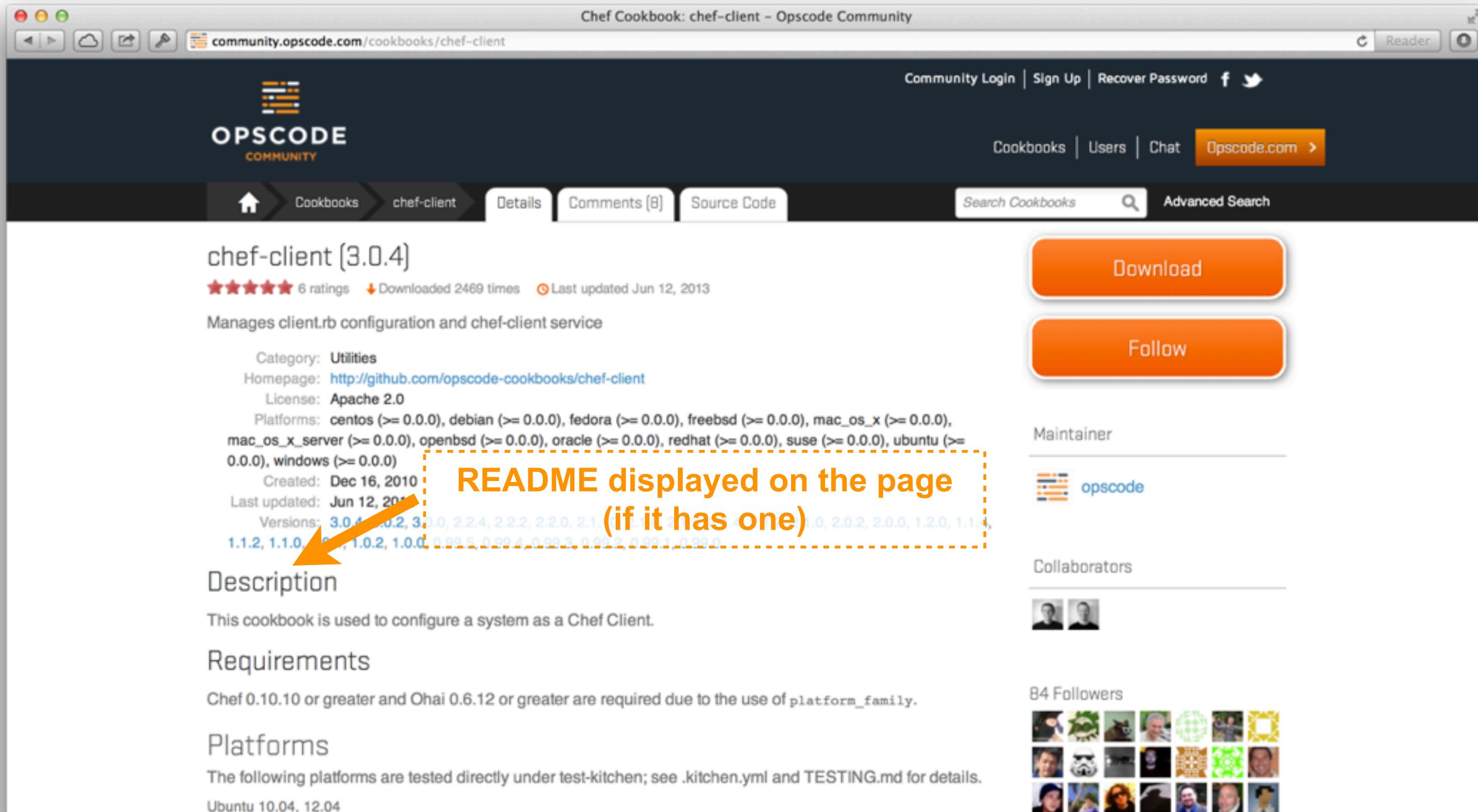
Follow

Maintainer

opscode

Collaborators

84 Followers



Viewing a cookbook

Chef Cookbook: chef-client – Opscode Community

community.opscode.com/cookbooks/chef-client

Community Login | Sign Up | Recover Password f t

OPSCODE COMMUNITY

Cookbooks | Users | Chat | Opscode.com >

Home Cookbooks chef-client Details Comments (8) Source Code Search Cookbooks Advanced Search

chef-client (3.0.4)

★★★★★ 6 ratings Downloaded 2469 times Last updated Jun 12, 2013

Manages client.rb configuration and chef-client service

Category: Utilities Homepage: <http://github.com/opscode-cookbooks/chef-client>

License: Apache 2.0

Platforms: centos (>= 0.0.0), debian (>= 0.0.0), fedora (>= 0.0.0), freebsd (>= 0.0.0), mac_os_x (>= 0.0.0), mac_os_x_server (>= 0.0.0), openbsd (>= 0.0.0), oracle (>= 0.0.0), redhat (>= 0.0.0), suse (>= 0.0.0), ubuntu (>= 0.0.0), windows (>= 0.0.0)

Created: Dec 16, 2010

Last updated: Jun 12, 2013

Versions: 3.0.4, 3.0.2, 3.0.0, 2.2.4, 2.2.2, 2.2.0, 2.1.0, 2.0.4, 2.0.2, 2.0.0, 1.2.0, 1.1.4, 1.1.2, 1.1.0, 1.0.4, 1.0.2, 1.0.0

Description

This cookbook is used to configure a system as a Chef Client.

Requirements

Chef 0.10.10 or greater and Ohai 0.6.12 or greater are required due to the use of `platform_family`.

Platforms

The following platforms are tested directly under test-kitchen; see `.kitchen.yml` and `TESTING.md` for details.

Ubuntu 10.04, 12.04

Browse Source Code

Download

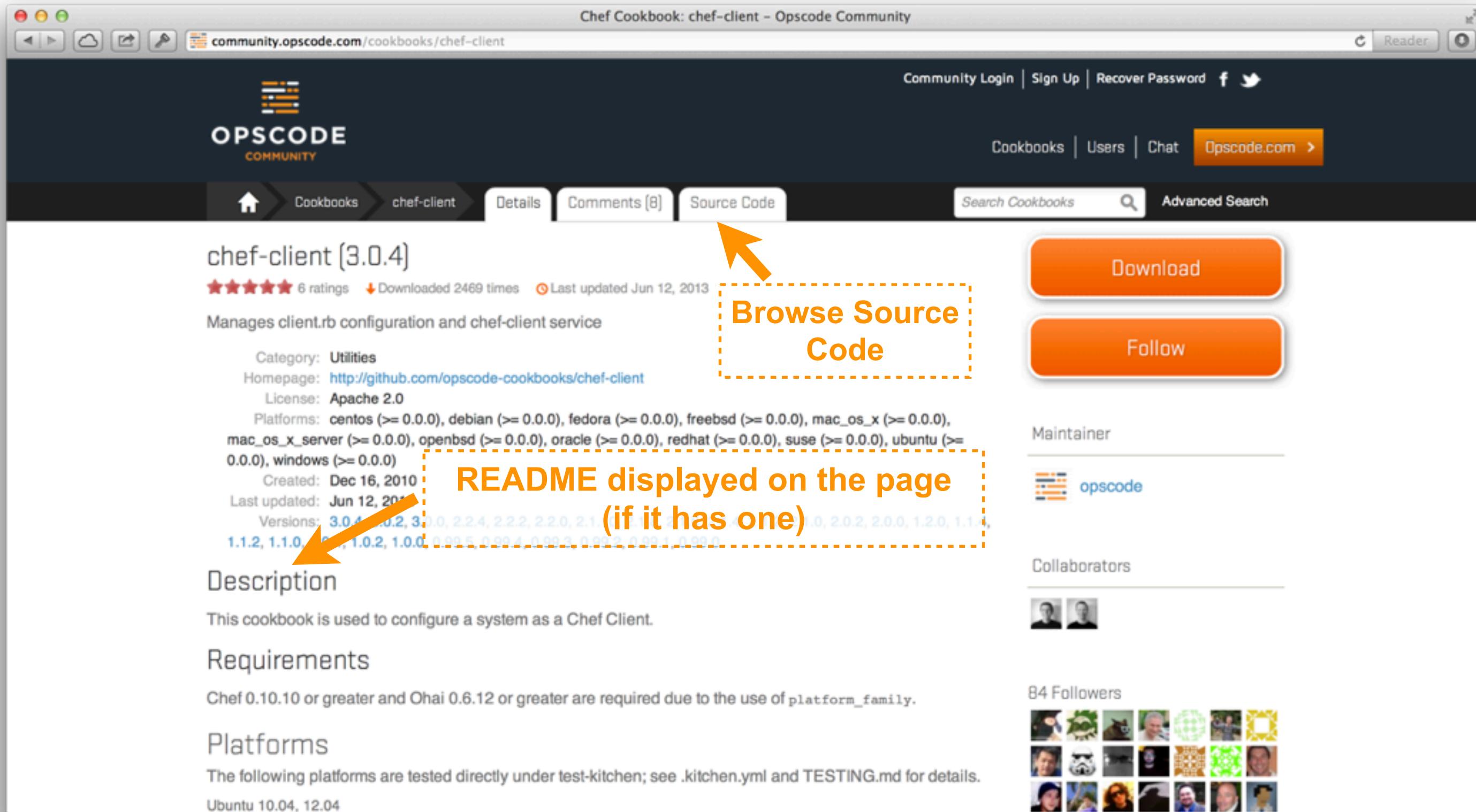
Follow

Maintainer

opscode

Collaborators

84 Followers



You can download cookbooks directly from the site...

- You can download cookbooks directly from the community site, but:
 - It doesn't put them in your Chef Repository
 - It isn't fast if you know what you're looking for (click, click...)
 - It isn't necessarily fast if you **don't** know what you're looking for.
 - You're already using knife for managing cookbooks and other things in your Chef Repository.

Introducing Knife Cookbook Site plugin

- Knife includes a "cookbook site" plugin with some sub-commands:
 - search
 - show
 - download
 - ... and more!

Download and use chef-client cookbook

Exercise: Use knife to search the community site

```
chef:
  cookbook: http://cookbooks.opscode.com/api/v1/cookbooks/chef
  cookbook_description: Installs and configures Chef for chef-client and chef-server
  cookbook_maintainer: opscode
  cookbook_name: chef

chef-client:
  cookbook: http://cookbooks.opscode.com/api/v1/cookbooks/chef-client
  cookbook_description: Manages client.rb configuration and chef-client service
  cookbook_maintainer: opscode
  cookbook_name: chef-client

chef-client-cron:
  cookbook: http://cookbooks.opscode.com/api/v1/cookbooks/chef-client-cron
  cookbook_description: Manages aspects of only chef-client
  cookbook_maintainer: bryanwb
  cookbook_name: chef-client-cron
```

Exercise: Use knife to search the community site

```
$ knife cookbook site search chef-client
```

```
chef:
  cookbook: http://cookbooks.opscode.com/api/v1/cookbooks/chef
  cookbook_description: Installs and configures Chef for chef-client and chef-server
  cookbook_maintainer: opscode
  cookbook_name: chef

chef-client:
  cookbook: http://cookbooks.opscode.com/api/v1/cookbooks/chef-client
  cookbook_description: Manages client.rb configuration and chef-client service
  cookbook_maintainer: opscode
  cookbook_name: chef-client

chef-client-cron:
  cookbook: http://cookbooks.opscode.com/api/v1/cookbooks/chef-client-cron
  cookbook_description: Manages aspects of only chef-client
  cookbook_maintainer: bryanwb
  cookbook_name: chef-client-cron
```

Exercise: Use knife to show the chef-client cookbook on the community site

```
average_rating: 4.85714
category: Utilities
created_at: 2010-12-16T23:00:45Z
description: Manages client.rb configuration and chef-client service
external_url: github.com/opscode-cookbooks/chef-client
latest_version: http://cookbooks.opscode.com/api/v1/cookbooks/chef-client/versions/3\_1\_0
maintainer: opscode
name: chef-client
updated_at: 2013-10-01T03:14:41Z
versions:
  http://cookbooks.opscode.com/api/v1/cookbooks/chef-client/versions/3\_1\_0
  http://cookbooks.opscode.com/api/v1/cookbooks/chef-client/versions/3\_0\_6
  http://cookbooks.opscode.com/api/v1/cookbooks/chef-client/versions/3\_0\_4
```

Exercise: Use knife to show the chef-client cookbook on the community site

```
$ knife cookbook site show chef-client
```

```
average_rating: 4.85714
category: Utilities
created_at: 2010-12-16T23:00:45Z
description: Manages client.rb configuration and chef-client service
external_url: github.com/opscode-cookbooks/chef-client
latest_version: http://cookbooks.opscode.com/api/v1/cookbooks/chef-client/versions/3\_1\_0
maintainer: opscode
name: chef-client
updated_at: 2013-10-01T03:14:41Z
versions:
  http://cookbooks.opscode.com/api/v1/cookbooks/chef-client/versions/3\_1\_0
  http://cookbooks.opscode.com/api/v1/cookbooks/chef-client/versions/3\_0\_6
  http://cookbooks.opscode.com/api/v1/cookbooks/chef-client/versions/3\_0\_4
```

Exercise: Download the chef-client cookbook

Downloading chef-client from the cookbooks site at version 3.1.0 to /Users/YOU/chef-repo/chef-client-3.1.0.tar.gz

Cookbook saved: /Users/YOU/chef-repo/chef-client-3.1.0.tar.gz

Exercise: Download the chef-client cookbook

```
$ knife cookbook site download chef-client
```

Downloading chef-client from the cookbooks
site at version 3.1.0 to /Users/YOU/chef-
repo/chef-client-3.1.0.tar.gz

Cookbook saved: /Users/YOU/chef-repo/chef-
client-3.1.0.tar.gz

Exercise: Extract chef-client cookbook tarball

```
x chef-client/
x chef-client/attributes/
x chef-client/CHANGELOG.md
x chef-client/CONTRIBUTING
x chef-client/LICENSE
x chef-client/metadata.json
x chef-client/metadata.rb
x chef-client/README.md
x chef-client/recipes/
x chef-client/templates/
x chef-client/templates/arch/
x chef-client/templates/default/
x chef-client/templates/windows/
x chef-client/templates/default/debian/
x chef-client/templates/default/redhat/
x chef-client/templates/default/solaris/
x chef-client/templates/arch/conf.d/
x chef-client/templates/arch/rc.d/
x chef-client/recipes/config.rb
x chef-client/recipes/cron.rb
x chef-client/recipes/default.rb
x chef-client/recipes/delete_validation.rb
```

Exercise: Extract chef-client cookbook tarball

```
$ tar -zxvf chef-client*.tar.gz -C cookbooks/
```

```
x chef-client/
x chef-client/attributes/
x chef-client/CHANGELOG.md
x chef-client/CONTRIBUTING
x chef-client/LICENSE
x chef-client/metadata.json
x chef-client/metadata.rb
x chef-client/README.md
x chef-client/recipes/
x chef-client/templates/
x chef-client/templates/arch/
x chef-client/templates/default/
x chef-client/templates/windows/
x chef-client/templates/default/debian/
x chef-client/templates/default/redhat/
x chef-client/templates/default/solaris/
x chef-client/templates/arch/conf.d/
x chef-client/templates/arch/rc.d/
x chef-client/recipes/config.rb
x chef-client/recipes/cron.rb
x chef-client/recipes/default.rb
x chef-client/recipes/delete_validation.rb
```

What we just did...

- Cookbooks are distributed as a versioned .tar.gz archive.
- The latest version is downloaded by default (you can specify the version).
- Extract the cookbook into the "cookbooks" directory with tar.
- Next, let's examine the contents.

Best practice: well written cookbooks have a README!

- Documentation for cookbooks doesn't need to be extensive, but a README should describe some important aspects of a cookbook:
 - Expectations (cookbooks, platform, data)
 - Recipes and their purpose
 - LWRPs, Libraries, etc.
 - Usage notes
- Read the README first!

Best Practice: This runs as root!

- So, you just downloaded source code from the internet.
- As root.
- To load in the magic machine that:
 - **Makes your computers run code**
- Read the *entire* cookbook first!

Further Resources

There's more to Chef

- Data Bags
 - Encrypted Data Bags
- LWRPs
- Report Handlers
- Knife plugins
- and more!

Further Resources: Cookbooks and Plugins

- Useful cookbooks
 - DNS: djbdns, pdns, dnsimple, dynect, route53
 - Monitoring: nagios, munin, zenoss, zabbix
 - Package repos: yum, apt, freebsd
 - Security: ossec, snort, cis_benchmark
 - Logging: rsyslog, syslog-ng, logstash, logwatch
- Application cookbooks:
 - application, database
 - python, java, php, ruby
- Plugins
 - Cloud: knife-ec2, knife-rackspace, knife-openstack, knife-hp
 - Windows: knife-windows
- More listed on docs.opscode.com

Further Resources

- <http://opscode.com/>
- <http://community.opscode.com/>
- <http://docs.opscode.com/>
- <http://learnchef.com>
- <http://lists.opscode.com>
- <http://youtube.com/user/Opscode>
- irc.freenode.net #chef, #chef-hacking, #learnchef
- Twitter #opschef

Food Fight Show

- <http://foodfightshow.org>
- The Podcast Where DevOps Chef Do Battle
- Regular updates about new Cookbooks, Knife-plugins, and more
- Best Practices for working with Chef



Opscode #ChefConf 2014

- When:
 - April 15-17, 2014
- Where:
 - Hyatt Regency, San Francisco, CA
- Register:
 - <http://chefconf.opscode.com/chefconf>

Nathen Harvey

- Technical Community Manager at Opscode
- Co-host of the Food Fight Show Podcast
- @nathenharvey
- nharvey@opscode.com

