

Managing Chef Recipes

Who the **** are you?!?!

- Freddie Rosario
- Systems Analyst
- Orasi Consultant
- Former Google employee
- Infrastructure
- DevOps
- Software Developer

Overview

- Environment Setup
- Chef concepts
- Writing chef recipes
- Extending chef recipes with ruby
- Running Chef code

Environment Setup

- RVM (Optional but recommended)
- Ruby
- Rubygems
- Chef gem

Basic Concepts

- <http://docs.opscode.com/>
- Resources
- Libraries
- Recipes
- Cookbooks

Chef Resources

- Defines an action
- Run in order written
- Piece of the system and desired state

```
directory "/tmp/folder" do
  owner "root"
  group "root"
  mode 0755
  action :create
end
```

Chef Recipes

- Ruby syntax
- Collection of resources
- May include other recipes as it runs

Chef Recipe Example

```
directory "/tmp/folder" do
  owner "root"
  group "root"
  mode "0755"
  action :create
end
```

```
file "/tmp/folder/important.file" do
  owner "root"
  group "root"
  mode "0755"
  action :create
end
```

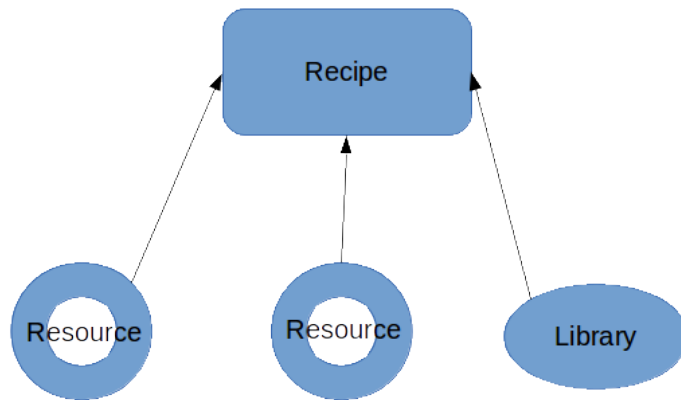
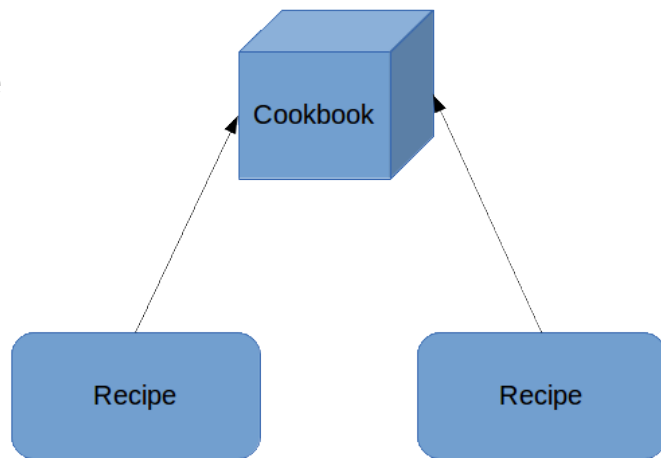

Chef Cookbooks

- Defines a scenario
- Collection of recipes
- Includes everything needed

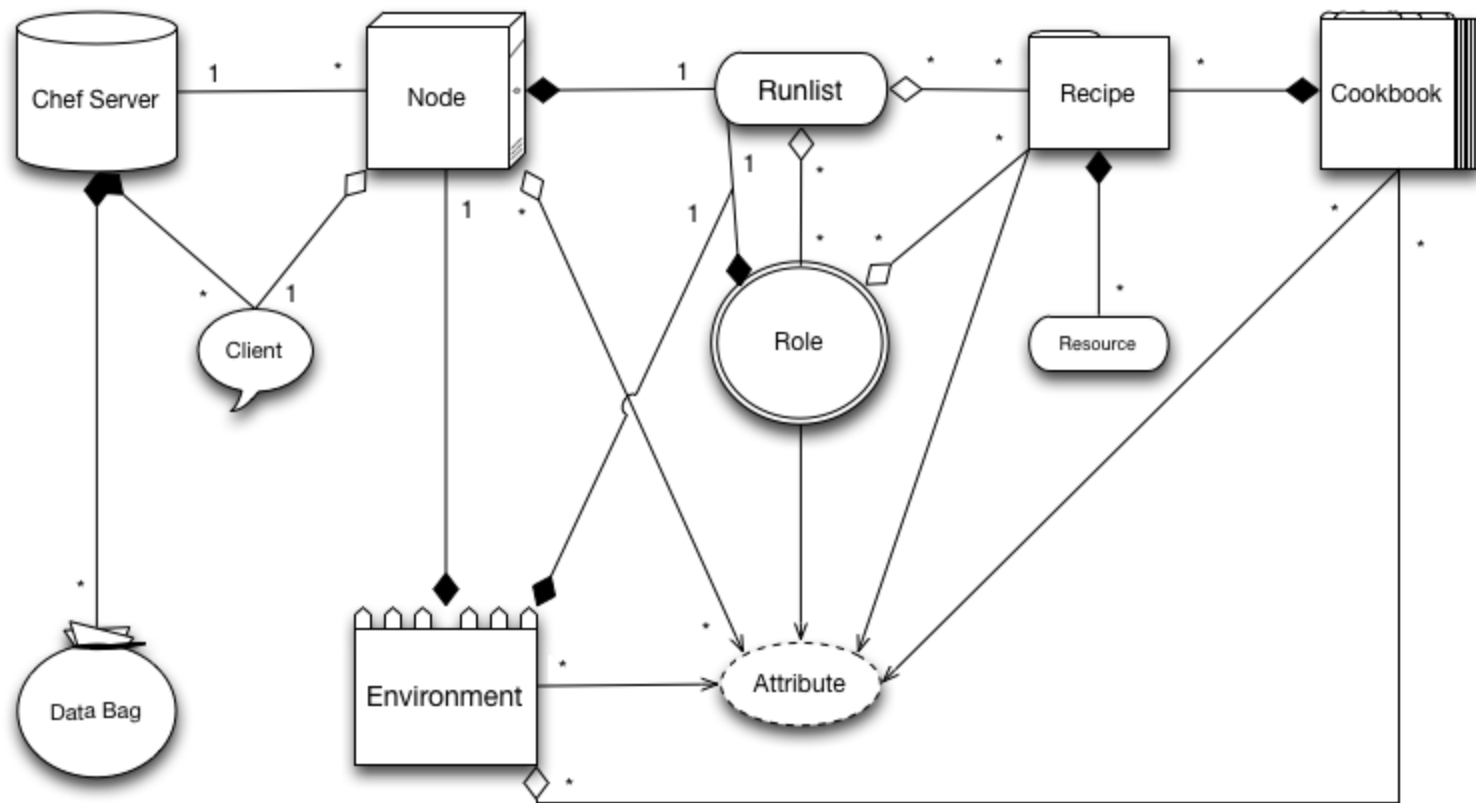
Custom Chef Libraries

- Extends chef classes
- Written in Ruby
- Allows for full use of Ruby

Organization of Chef Code (Simplified)



Chef Concepts



Borrowed from opscore wiki

Useful Links

Ruby official website:

<https://www.ruby-lang.org>

Ruby Version Manager:

<http://rvm.io/>

Chef documentation

<http://docs.opscode.com/>

Conclusion

Questions?