Scripting Chef

Overview

- Creating cookbooks
- Cookbook directory structure
- Writing recipes
- Running recipes

- Logging
- Chef shell
- Custom libraries
- Class assignment

Create a new cookbook

```
knife cookbook create class-cookbook
--cookbook-path $HOME
```

Directory Structure

- attributes
- CHANGELOG.md
- definitions
- files
- libraries
- metadata.rb
- providers
- README.md
- recipes
- resources
- templates

Writing recipes

http://docs.opscode.com/resource.html

All recipes go in class-cookbook/recipes

Running Recipes

```
chef-solo -c solo.rb -j dna.json
```

Logging

http://docs.opscode.com/resource_log.html

Force info to output to log or console

Chef-Shell

http://docs.opscode.com/ctl_chef_shell.html

- Recipe debugging tool
- IRB with chef environment loaded

Libraries

http://docs.opscode.
com/essentials_cookbook_libraries.html

- Ruby code included in cookbooks
- Extend chef beyond core functionality

Class assignment

All new employees need access to your server.

Access includes:

- login account
- A directory that only the employee accesses
- Tool installed