

San Diego DevOps October 2015

Custom Resources in Chef 12.5+



Kennon Kwok

Solutions Engineer at CHEF Software, Inc.

Twitter: @kennonkwok

Github: kennonkwok

Alumnus of UC San Diego, Ooyala, and Bitcasa

kennon@chef.io

Show of hands



Who is currently using Chef?

Who is using Test Kitchen?

Who is using ChefDK?

DOCS

Resources



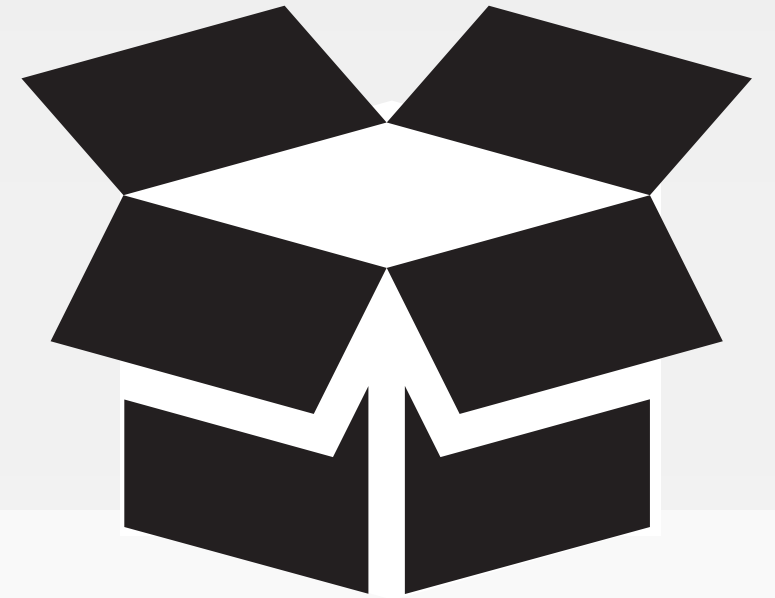
A resource is a statement of configuration policy.

It describes the desired state of an element of your infrastructure and the steps needed to bring that item to the desired state.

<https://docs.chef.io/resources.html>

CONCEPT

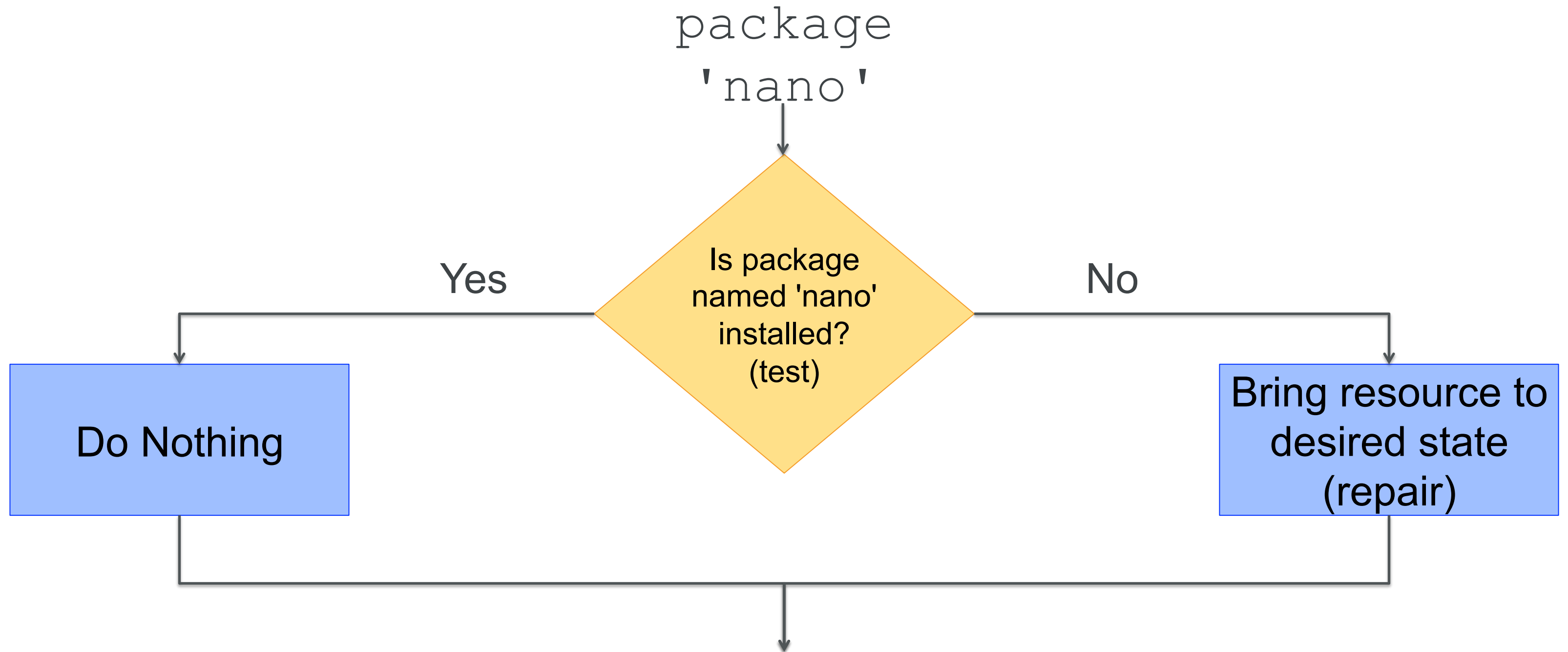
Resource Definition



```
file 'hello.txt' do
  content 'Hello, world!'
end
```

The **TYPE** named **NAME** should be **ACTION**'d with **PROPERTIES**

Test and Repair



Why Custom Resources?

- Extend functionality for \$NEW_THING
- Sharing code
- Wrapping complex functionality



What's new?

- No boilerplate
- No separate file in /providers
- Easily rename resource



Objectives



Create a new resource 'mysite'

- install package 'httpd'
- write virtualhost configuration
- create document root
- write index.html
- specify service port

EXERCISE

Live demo time!

Follow along: <http://git.io/vWtli>



CHEF™

More Info

https://docs.chef.io/custom_resources.html

https://github.com/chef-cookbooks/compat_resource



CHEF™

Q & A

What questions can we answer for you?





CHEF™