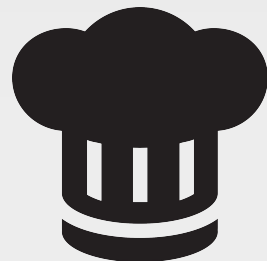


EXERCISE



Using the Template Resource

Adding all the information into the recipe did make it hard to read.

Objective:

- ☐ Create a template with chef generate
- ☐ Define the contents of the ERB template
- ☐ Change the file resource to the template resource
- ☐ Update the cookbook's version number
- ☐ Apply the updated recipe and verify the results

Removing the file Resource

```
~/cookbooks/workstation/recipes/setup.rb
```

```
# ... PACKAGE RESOURCES ...
```

```
file '/etc/motd' do
```

```
  content "Property of ...
```

```
  IPADDRESS: #{node['ipaddress']}
```

```
  HOSTNAME  : #{node['hostname']}
```

```
  MEMORY    : #{node['memory']['total']}
```

```
  CPU       : #{node['cpu']['0']['mhz']}
```

```
"
```

```
end
```

Changing from file to template Resource

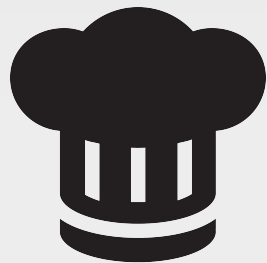
```
~/cookbooks/workstation/recipes/setup.rb
```

```
# ... PACKAGE RESOURCES ...
```

```
template '/etc/motd' do  
  source 'motd.erb'
```

```
end
```

EXERCISE



Cleaner Recipes

This is a change to the cookbook so it is time to update the version again.

Objective:

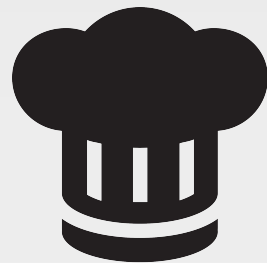
- ✓ Create a template with chef generate
- ✓ Define the contents of the ERB template
- ✓ Change the file resource to the template resource
- ✓ Update the cookbook's version number
- ✓ Apply the updated recipe and verify the results

Updating the Cookbook's Version

Number `~/cookbooks/workstation/metadata.rb`

```
name 'workstation'  
maintainer 'The Authors'  
maintainer_email 'you@example.com'  
license 'all_rights'  
description 'Installs/Configures workstation'  
long_description 'Installs/Configures workstation'  
version '0.2.1'
```

EXERCISE



Cleaner Recipes

This is a change to the cookbook so it is time to update the version again.

Objective:

- ✓ Create a template with chef generate
- ✓ Define the contents of the ERB template
- ✓ Change the file resource to the template resource
- ✓ Update the cookbook's version number
- ✓ Apply the updated recipe and verify the results

Applying the Updated Cookbook



```
> sudo chef-client --local-mode --runlist "recipe[workstation]"
```

```
- workstation (0.2.1)
```

```
Compiling Cookbooks...
```

```
Converging 2 resources
```

```
Recipe: workstation::setup
```

```
  * yum_package[tree] action install (up to date)
```

```
  * template[/etc/motd] action create (up to date)
```

```
Running handlers:
```

```
Running handlers complete
```

```
Chef Client finished, 0/2 resources updated in 12 seconds
```

Verifying the Contents of the MOTD File



```
> cat /etc/motd
```

```
Property of ...
```

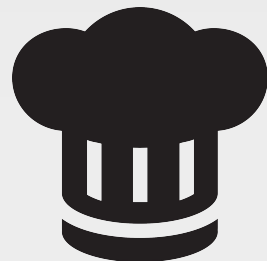
```
IPADDRESS: 172.31.57.153
```

```
HOSTNAME : ip-172-31-57-153
```

```
MEMORY : 604308kB
```

```
CPU : 1795.673
```


EXERCISE



Cleaner Recipes

This is a change to the cookbook so it is time to update the version again.

Objective:

- ✓ Create a template with chef generate
- ✓ Define the contents of the ERB template
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DISCUSSION



Discussion

What is the benefit of using a template over defining the content within a recipe? What are the drawbacks?

What are the two types of ERB tags we talked about?

What do each of the ERB tags accomplish?