Using the Template Resource
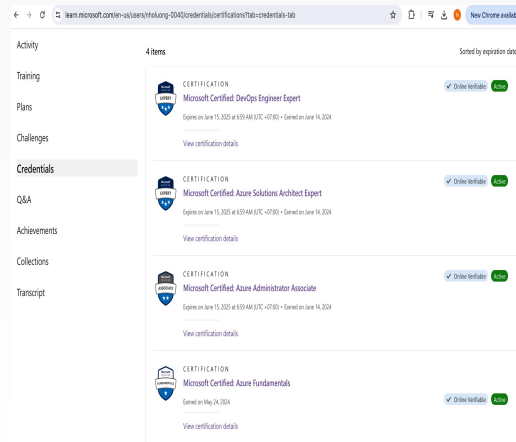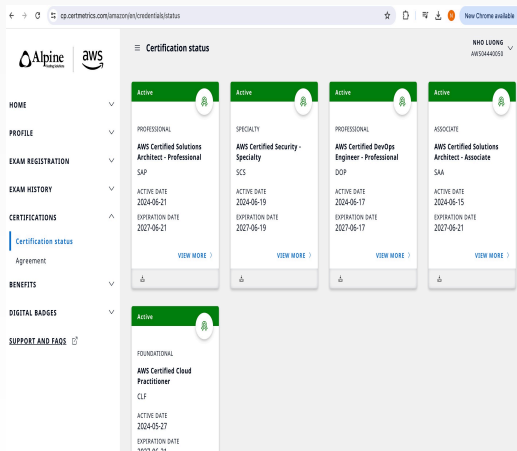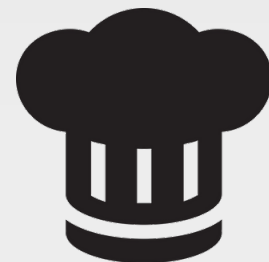
Author: Nho Luong

Skill: DevOps Engineer Lead

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

Author: Nho Luong
Skill: DevOps Engineer Lead

CHEF

Removing the file Resource

~/cookbooks/workstation/recipes/setup.rb # …

PACKAGE RESOURCES …

```
file '/etc/motd' do  content
"Property of …


  IPADDRESS: #{node['ipaddress']}
 HOSTNAME :
#{node['hostname']}#{node['memory']['total']}  :
MEMORY    #{node['cpu']['0']['mhz']}
CPU "
end
```

Author: Nho Luong
Skill: DevOps Engineer Lead

CHEF

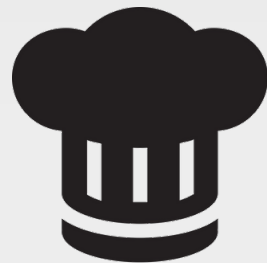# Changing from file to template Resource

~/cookbooks/workstation/recipes/setup.rb

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

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

Author: Nho Luong
Skill: DevOps Engineer Lead

CHEF

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

Author: Nho Luong
Skill: DevOps Engineer Lead

CHEF

Updating the Cookbook's Version Number

~/cookbooks/workstation/metadata.rb name 'workstation'

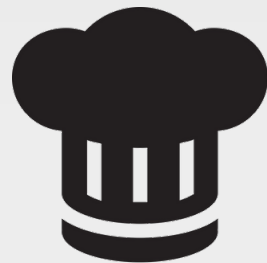maintainer 'The Authors'

maintainer_email 'you@example.com'
license 'all_rights'

description 'Installs/Configures workstation'
long_description 'Installs/Configures workstation'

version '0.2.1'

Author: Nho Luong
Skill: DevOps Engineer Lead

CHEF

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

Author: Nho Luong
Skill: DevOps Engineer Lead

CHEF

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
```

Author: Nho Luong
Skill: DevOps Engineer Lead

CHEF

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
```
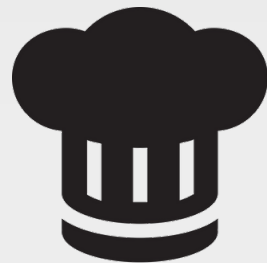
Author: Nho Luong
Skill: DevOps Engineer Lead

CHEF

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

Author: Nho Luong
Skill: DevOps Engineer Lead

CHEF

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?

Author: Nho Luong
Skill: DevOps Engineer Lead

Thank You

Author: Nho Luong
Skill: DevOps Engineer Lead