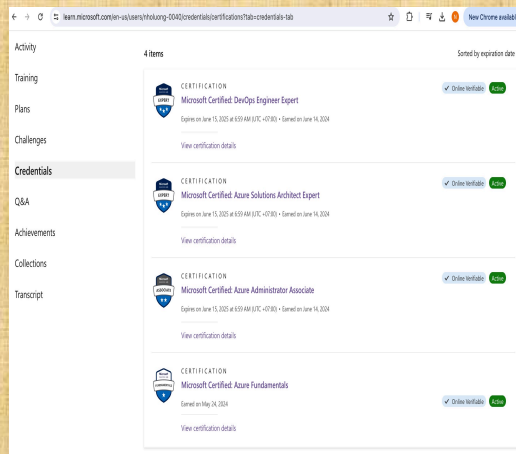
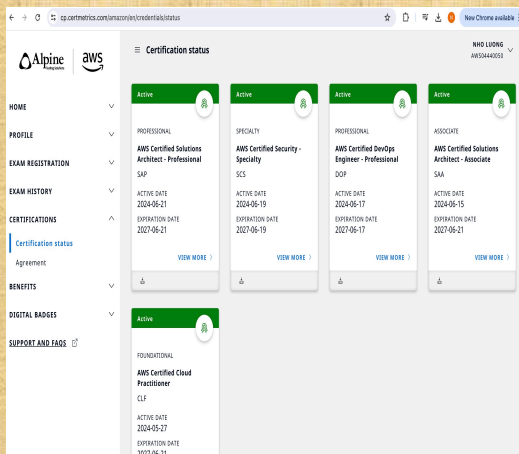


# Using the Template Resource

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

```
  MEMORY  #{node['cpu']['0']['mhz']}
```

```
  CPU "
```

```
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
- ✓ Change the file resource to the template resource
- ✓ Update the cookbook's version number Apply
- ✓ the updated recipe and verify the results

# 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?



# Thank You

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