# 9: Tuning Ohai



# **Objectives**

After completing this module, you should be able to:

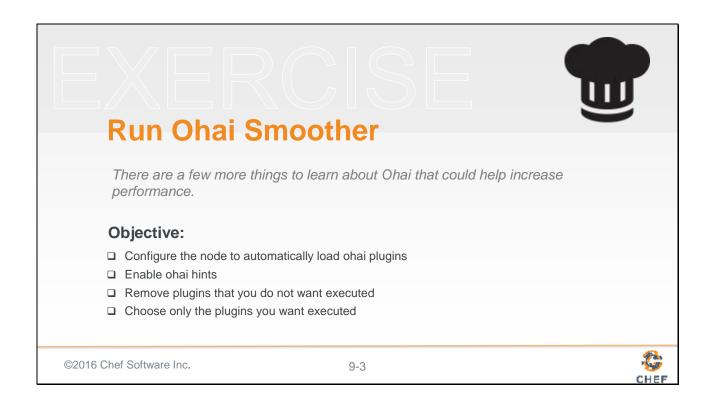
- > Describe how you configure the node to automatically load ohai plugins
- > Describe how to enable ohai hints
- > Describe how to remove plugins that you do not want executed
- > Describe where you can fine more information about better Ohai performance

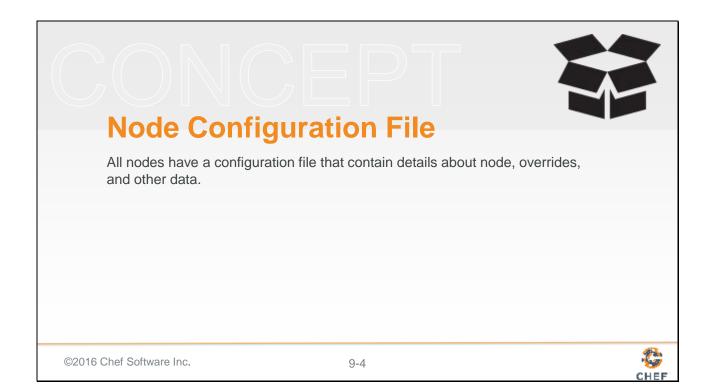
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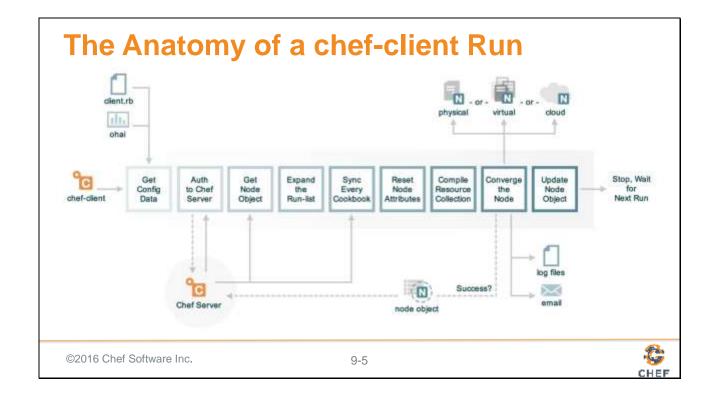


After completing this module you will be able to





Slide 5







## chef-client cookbook

The chef-client cookbook contains a number of useful recipes:

· service (default)

Run chef-client as a service, converging at a periodic interval

delete\_validation

Remove the organization validation key [SECURITY ISSUE]

config

Define node configuration

https://supermarket.chef.io/cookbooks/chef-client

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# Viewing the chef-client config Recipe

~/cookbooks/chef-client/recipes/config.rb

```
# ... OTHER RESOURCES ...
template "#{node["chef_client"]["conf_dir"]}/client.rb" do
    source 'client.rb.erb'
    owner d_owner
    group d_group
    mode 00644
    variables(
        :chef_config => node['chef_client']['config'],
        :chef_requires => chef_requires,
        :ohai_disabled_plugins => node['ohai']['disabled_plugins'],
        :start_handlers => node['chef_client']['config']['start_handlers'],
        :report_handlers => node['chef_client']['config']['report_handlers'],
        :exception_handlers => node['chef_client']['config']['exception_handlers']
    )
    notifies :create, 'ruby_block[reload_client_config]', :immediately
end
```

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# PROBLEM



# **The Work**

- Add the chef-client cookbook to your cookbook collection
- Provide attributes in a wrapper cookbook, role, or environment for:

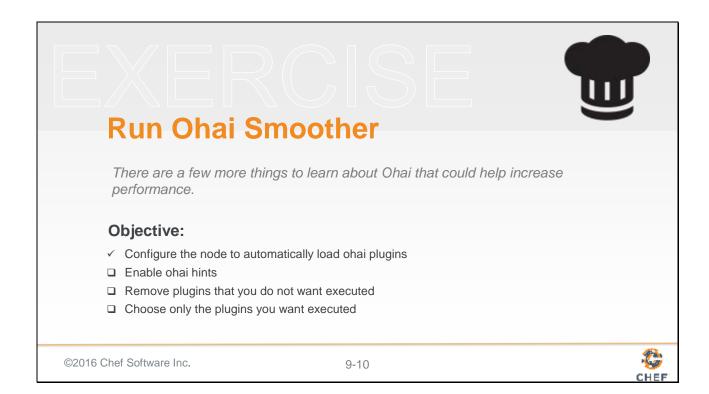
node['ohai']['plugin\_path']

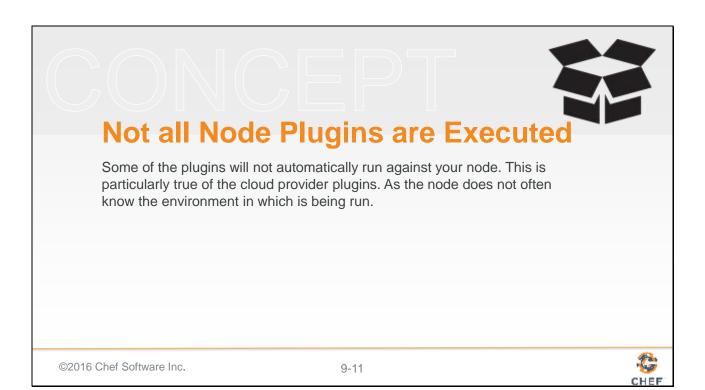
· Add chef-client cookbook to every node's run list

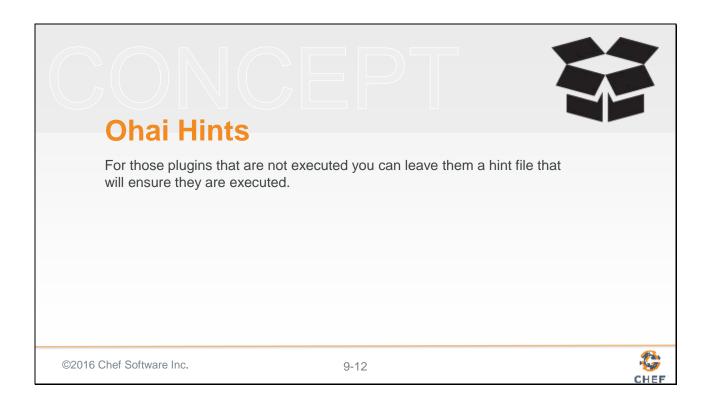
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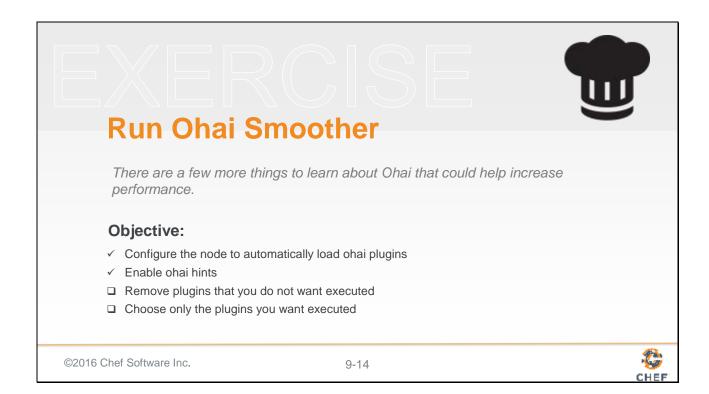


# The Work • Add the ohai cookbook to your cookbook collection • Define a recipe that uses the ohai cookbook's ohai\_hint resource • Add this recipe to every node's run list

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# Viewing the chef-client config Recipe

~/cookbooks/chef-client/recipes/config.rb

```
# ... OTHER RESOURCES ...
template "#{node["chef_client"]["conf_dir"]}/client.rb" do
    source 'client.rb.erb'
    owner d_owner
    group d_group
    mode 00644
    variables(
        :chef_config => node['chef_client']['config'],
        :chef requires => chef_requires,
        :ohai_disabled_plugins => node['ohai']['disabled_plugins'],
        :start_handlers => node['chef_client']['config']['start_handlers'],
        :report_handlers => node['chef_client']['config']['report_handlers'],
        :exception_handlers => node['chef_client']['config']['exception_handlers']
    )
    notifies :create, 'ruby_block[reload_client_config]', :immediately
end
```

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# PROBLEM



### The Work

- Add the chef-client cookbook to your cookbook collection
- · Select attributes you want to remove
- Find the name of the plugin that provides those attributes
- Provide attributes in a wrapper cookbook, role, or environment for:

node['ohai']['disabled\_plugins']

· Add chef-client cookbook to every node's run list

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