Chef Basic Chef Fluency Exam

Volume: 33 Questions

Question: 1
You've been tasked with making changes to a MySQL cookbook that are substantial enough to take it from 1.0.0 version to 2.0.0 version. What tool might you use so that during development you can switch between 1.0.0 and 2.0.0 when needed?
Choose the correct answer:

A. This is not possible, once you've uploaded another cookbook you cannot make changes to an older version

B. Create two different cookbooks name differently but with metadata.rb versions 1.0.0 and 2.0.0

C. Use git and create a branch for version 1.0.0 and a branch for version 2.0.0 and checkout the branch you'd like to work on

D. Configure Chef environments and work off of the environment node with the appropriate version deployed

Answer: C

Explanation
The best way to do this is to work with version control tools such as git and github.

Question: 2
What is the default action for the service resource type?
Choose the correct answer:

A. action :nothing

B. action [:enable, :start]

C. action [:nothing]

D. action :start

Answer: A

Explanation
action :nothing - [] are not required when there is only a single action.

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Question: 3
You're the only highly experienced Chef developer on staff and you've been tasked to allow junior-level developers be able to add important concepts to a Chef cookbook. They need to be able to easily create a file and not be burdened with the task of managing the additional properties such as permissions. Assume that each time a file is created it can have the same permissions. What is the best way to solve this issue in your environment?
Choose the correct answer:

A. Do not give access to the developers but instead require them to have you do all the Chef work

B. Create a new library with the advanced code to be re-used by the junior developers

C. Teach the developers how to properly use Chef

D. Create a custom resource that does the work of configuring the security but allows for custom properties to be passed in, such as filename and contents

Answer: D

Question: 4
Given the following resource declarations, in what order are the resources tested and repaired during a Chef convergence?

package 'apache' do
package_name 'httpd'
end

service 'httpd' do
action [:enable, :start]
end

file '/var/www/html/index.html' do
content 'Hello world!'
mode '0755'
owner 'root'
group 'apache'
end
Choose the correct answer:

A. file, service, package

B. service, file, package

C. package, service, file

D. package, file, service

Answer: C

Question: 5
You've been writing a cookbook on your workstation, after development you are unsure that it is going to work as expected. How might you test your code to determine what the convergence might look like but do so without letting chef enforce the desired configurations on the node? Choose the correct answer:

A. On the node with the assigned recipe in the run list run chef-client --local-mode

B. On the node with the assigned recipe in the run list run chef-client -W

C. On the node with the assigned recipe in the run list run chef-client -w

D. On the node with the assigned recipe in the run list run chef-client --find-why

Answer: B

Question: 6
What are the three core components of Chef Automate?
Choose the correct answer:

A. InSpec, Chef, Visibility

B. ChefSpec, InSpec and ServerSpec

C. Compliance, Workflow, Habitat

D. Workflow, Visibility and Compliance

Answer: D

Explanation
Workflow, Visibility and Compliance are the core components of the Chef Automate solution.

Question: 7

Which of the following syntax is correct when attempting to display the IP address of all nodes that belong to the loadbalancer role?
Choose the correct answer:

A. knife search knife search 'role:loadbalancer' -a [ipaddress]

B. knife search 'role:loadbalancer' -a ipaddress

C. knife search 'role:loadbalancer' -i ipaddress

D. knife search node 'role:loadbalancer' -a [ipaddress]

Answer: B

Question: 8
Given the following block of code, what order do you expect the resources to be executed in?

service "httpd" do
action [:enable, :start]
end

cookbook_file "/etc/httpd/conf/httpd.conf" do
owner 'root'
group 'root'
mode '0644'
source 'httpd.conf'
notifies :restart, "service[httpd]"
end
Choose the correct answer:

A. During the convergence the service[httpd] resource enables and starts the service if it is not already; then, if the cookbook file does not requires changes, httpd.conf is updated and the cookbook_file[/etc/httpd/conf/httpd.conf] resource sends a notification to restart the notifies service.

B. During the convergence the cookbook_file[/etc/httpd/conf/httpd.conf] resource is executed first and if changes are required then a notification to restart the service[httpd] resource is sent.

C. During the convergence the service[httpd] resource enables and starts the service if it is not already; then, if the cookbook file requires changes, httpd.conf is updated and the cookbook_file[/etc/httpd/conf/httpd.conf] resource sends a notification to restart the httpd service.