1. File Resource with a Template

Answer:

file { '/etc/motd':

ensure => file,

content => template('my\_module/motd.erb'),

}

Output : cat /tmp/hello.txt

2. Define and Use a Class

Answer:

class ntp {

package { 'ntp':

ensure => installed,

}

service { 'ntpd':

ensure => running,

enable => true,

require => Package['ntp'],

}

}

3. Use a Custom Fact

Answer:

if $facts['memory']['system']['total\_bytes'] >= 2147483648 {

package { 'vim':

ensure => installed,

}

}

4. Create a User with an SSH Key

Answer:

user { 'deploy':

ensure => present,

home => '/home/deploy',

managehome => true,

}

file { '/home/deploy/.ssh':

ensure => directory,

owner => 'deploy',

group => 'deploy',

mode => '0700',

}

file { '/home/deploy/.ssh/authorized\_keys':

ensure => file,

owner => 'deploy',

group => 'deploy',

mode => '0600',

content => 'ssh-rsa AAAAB3NzaC1yc2E...',

}

5. Install a Package Conditionally Based on OS Family

Answer:

case $facts['os']['family'] {

'RedHat': {

package { 'httpd':

ensure => installed,

}

}

'Debian': {

package { 'apache2':

ensure => installed,

}

}

}

6. Notify and Subscribe Mechanism

Answer:

file { '/etc/httpd/conf/httpd.conf':

ensure => file,

source => 'puppet:///modules/apache/httpd.conf',

notify => Service['httpd'],

}

service { 'httpd':

ensure => running,

enable => true,

}

7. Managing a Cron Job

Answer:

cron { 'clear\_tmp':

ensure => present,

command => '/usr/bin/rm -rf /tmp/\*',

user => 'root',

minute => '0',

hour => '0',

}

10. Ensures nginx is running and enabled else Ensures all other services are stopped.

$services = ['nginx', 'ssh']

$services.each |$svc| {

if $svc == 'nginx' {

service { $svc:

ensure => running,

enable => true,

}

} else {

service { $svc:

ensure => stopped,

}

}

}

11. create 3 users with home directory

$users = ['alice', 'bob', 'charlie']

define create\_user($home\_dir) {

    user { $name:

        ensure     => present,

        home       => $home\_dir,

        managehome => true,

    }

}

$users.each |$u| {

    create\_user { $u:

        home\_dir => "/home/${u}",

    }

}