

# Lesson 8 Demo 5: Testing Hiera

This section will guide you to:

- Test Hiera using Puppet agent server

This lab has two subsections, namely:

1. Adding Hiera data in Puppet agent manifest file
2. Verifying the returned Hiera data in Puppet master from Puppet agent

## Step 1: Adding Hiera data in Puppet agent manifest file

- Set up the puppet agent as shown in earlier demos
- Open the command line on Puppet agent
- Navigate to the manifests directory using the following command:

```
cd /etc/puppetlabs/code/environments/production/manifests
```

A terminal window screenshot showing the command to navigate to the manifests directory. The terminal title is 'ubuntu@ip-172-31-22-24: /etc/puppetlabs/code/environments/production/manifests'. The command prompt shows the user navigating to the directory and then running 'pwd' to confirm the current path.

```
ubuntu@ip-172-31-22-24: /etc/puppetlabs/code/environments/production/manifests
File Edit View Search Terminal Help
ubuntu@ip-172-31-22-24:~$ cd /etc/puppetlabs/code/environments/production/manifests
ubuntu@ip-172-31-22-24:/etc/puppetlabs/code/environments/production/manifests$ pwd
/etc/puppetlabs/code/environments/production/manifests
ubuntu@ip-172-31-22-24:/etc/puppetlabs/code/environments/production/manifests$
```

- Use the following command to navigate to the directory containing hiera.yaml:

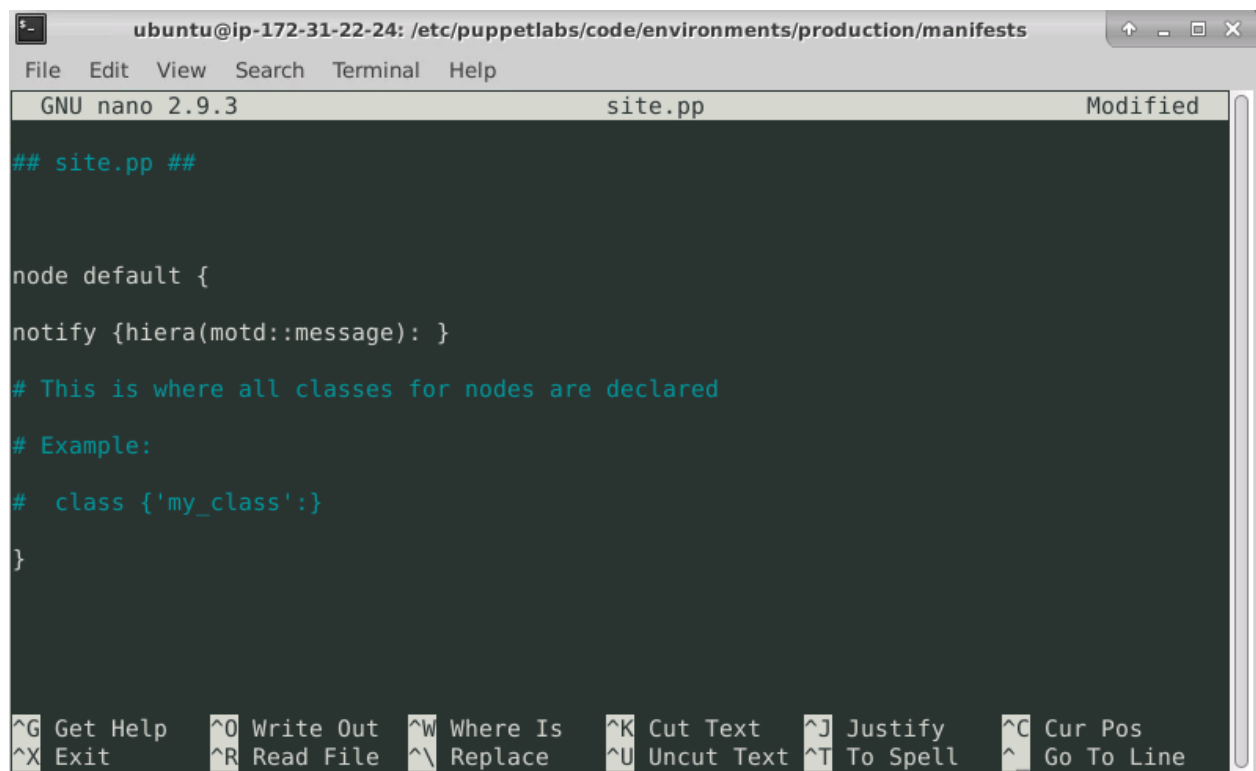
```
sudo nano site.pp
```

file

- Paste the following code snippet in the site.pp file:

```
## site.pp ##
```

```
node default {
  notify {hiera(motd::message): }
  # This is where all classes for nodes are declared
  # Example:
  # class {'my_class':}
}
```



The screenshot shows a terminal window with the title bar 'ubuntu@ip-172-31-22-24: /etc/puppetlabs/code/environments/production/manifests'. The terminal is running the nano text editor, editing a file named 'site.pp'. The editor's status bar at the top indicates 'GNU nano 2.9.3' and 'Modified'. The code being edited is as follows:

```
## site.pp ##

node default {
  notify {hiera(motd::message): }
  # This is where all classes for nodes are declared
  # Example:
  # class {'my_class':}
}
```

At the bottom of the terminal window, there is a row of keyboard shortcuts for nano:

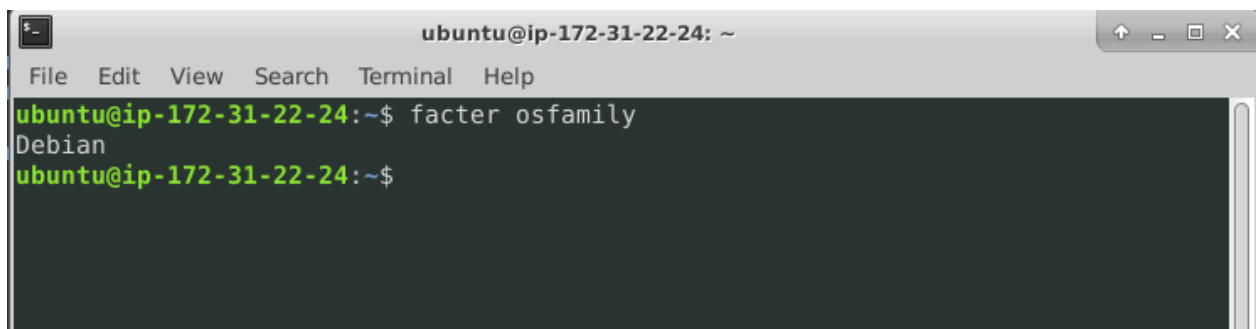
<sup>^</sup> G Get Help	<sup>^</sup> O Write Out	<sup>^</sup> W Where Is	<sup>^</sup> K Cut Text	<sup>^</sup> J Justify	<sup>^</sup> C Cur Pos
<sup>^</sup> X Exit	<sup>^</sup> R Read File	<sup>^</sup> \ Replace	<sup>^</sup> U Uncut Text	<sup>^</sup> T To Spell	<sup>^</sup> Go To Line

- Save and exit the file

## Step 2: Verifying the returned Hieradata in Puppet master from Puppet agent

- Open command line on the Puppet master server
- Use the following command to get the OS family details of the puppet master:

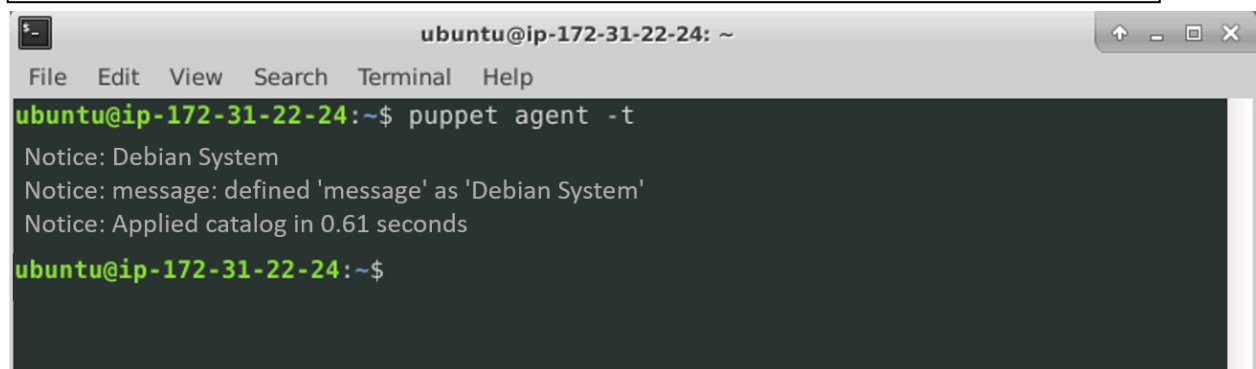
```
facter osfamily
```



```
ubuntu@ip-172-31-22-24: ~
File Edit View Search Terminal Help
ubuntu@ip-172-31-22-24:~$ facter osfamily
Debian
ubuntu@ip-172-31-22-24:~$
```

- Use the following command to pick up the Hieradata added in the Puppet agent in the previous step:

```
sudo puppet agent -t
```



```
ubuntu@ip-172-31-22-24: ~
File Edit View Search Terminal Help
ubuntu@ip-172-31-22-24:~$ puppet agent -t
Notice: Debian System
Notice: message: defined 'message' as 'Debian System'
Notice: Applied catalog in 0.61 seconds
ubuntu@ip-172-31-22-24:~$
```