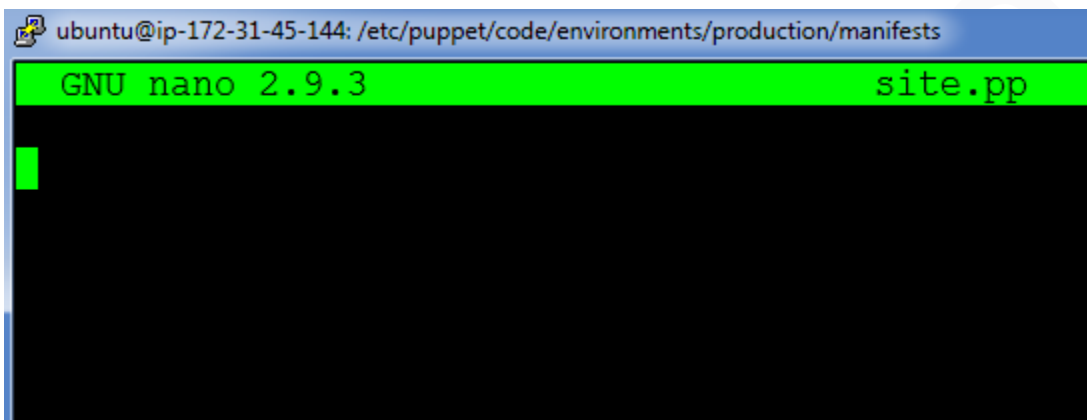# Module 4: Hands-On: Creating a Manifest in Puppet

Steps for Puppet Master:

Step 1: Change the directory to
/etc/puppet/code/environments/production/manifests
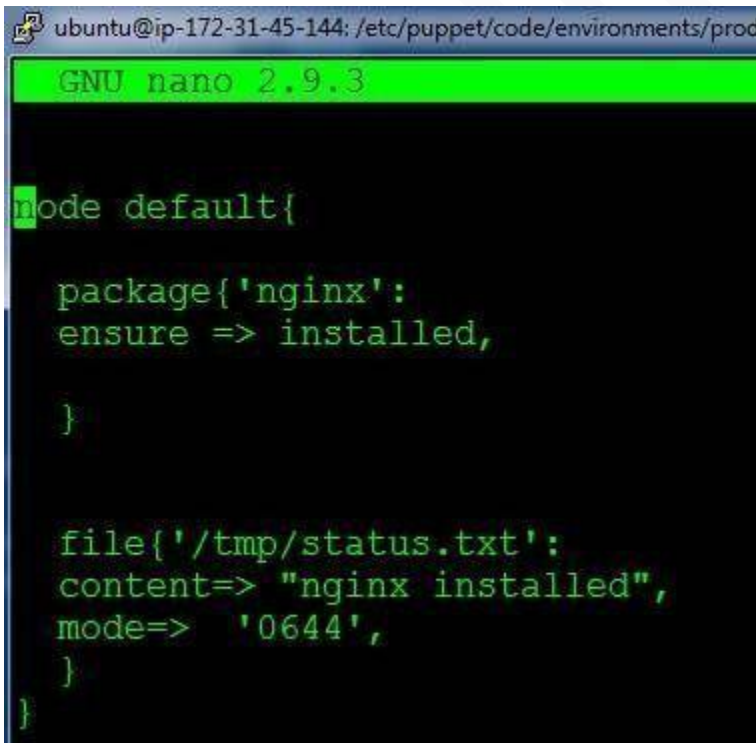
```
$ cd /etc/puppet/code/environments/production/manifests

$ sudo nano site.pp
```

ubuntu@ip-172-31-45-144: /etc/puppet/code/environments/production/manifests

```
GNU nano 2.9.3                                    site.pp
```

Step 2: Enter the following text:

```
node default{

  package{'nginx':

  ensure => installed,

}

  file{'/tmp/status.txt':

  content=> "nginx installed",

  mode=> '0644',

}

}
```
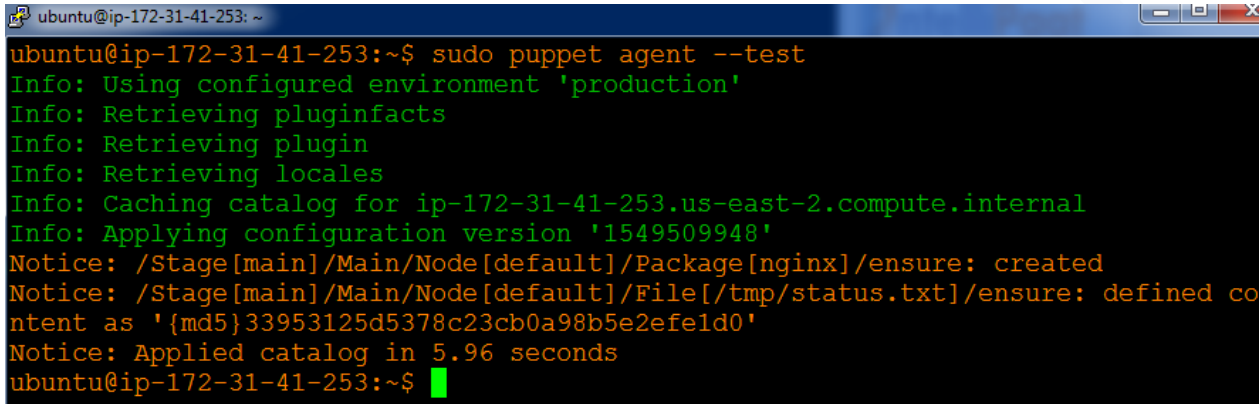
On Puppet Agent:

Step 1: Execute the following command:

```
$ sudo puppet agent --test
```

```
ubuntu@ip-172-31-41-253:~$ sudo puppet agent --test
Info: Using configured environment 'production'
Info: Retrieving pluginfacts
Info: Retrieving plugin
Info: Retrieving locales
Info: Caching catalog for ip-172-31-41-253.us-east-2.compute.internal
Info: Applying configuration version '1549509948'
Notice: /Stage[main]/Main/Node[default]/Package[nginx]/ensure: created
Notice: /Stage[main]/Main/Node[default]/File[/tmp/status.txt]/ensure: defined co
ntent as '{md5}33953125d5378c23cb0a98b5e2efe1d0'
Notice: Applied catalog in 5.96 seconds
ubuntu@ip-172-31-41-253:~$
```

Step 2: Verify the installation and file by going to the browser with the agent's IP address. Also check /tmp/status.txt

18.222.197.61

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

```
ubuntu@ip-172-31-41-253:~$ cat /tmp/status.txt
nginx installedubuntu@ip-172-31-41-253:~$
```