



puppet

Manifest in Puppet

Step 1: Login to Puppet Server (Master Node)

Step 2: **Master#** vi /etc/puppet/manifests/site.pp

```
file { "/tmp/myFile":  
  ensure => "present",  
  owner => "root",  
  group => "root",  
  mode => "644",  
  content => "This is my first manifest",  
}
```

Step 3: **Node#** puppet agent -t

Step 4: **Node#** cat /tmp/myFile

Service Manifest

```
Master# vi /etc/puppet/manifests/site.pp
exec { 'apt-update':
  command => '/usr/bin/apt-get update'
}
package { 'apache2':
  require => exec['apt-update'],
  ensure => installed,
}
service { 'apache2':
  ensure => running,
}
```

Node# puppet agent -t

Httpd Service Manifest

Master# vi /etc/puppet/manifests/site.pp

```
package { 'httpd':  
  ensure => installed,  
}  
  
service { 'httpd':  
  ensure => running,  
}
```

Node2# puppet agent -t

```
exec { 'apt-update':
  command => '/usr/bin/apt-get update',
}
package { 'openjdk-7-jdk':
  ensure => 'installed',
}
package { 'tomcat7':
  ensure => 'installed',
}
service { 'tomcat7':
  ensure => 'running',
  enable => 'true',
}
```

Mysql Service Manifest

```
Master# vi /etc/puppet/manifests/site.pp
exec { 'apt-update':
  command => '/usr/bin/apt-get update'
}
package { 'mysql-server':
  require => Exec['apt-update'],
  ensure => installed,
}
service { 'mysql':
  ensure => running,
}
```

Node1# puppet agent -t

Classes are introduced with the class keyword, and their contents are wrapped in curly braces.

Master# vi /etc/puppet/manifests/site.pp

```
class unix {  
    file { '/etc/passwd':  
        owner => 'root',  
        group => 'root',  
        mode => 644;  
    }  
    file { '/etc/shadow':  
        owner => 'root',  
        group => 'root',  
        mode => 440;  
    }  
}  
Include unix
```

Master# vi /etc/puppet/manifests/site.pp

```
class tomcat {  
    package { 'tomcat':  
        ensure => 'installed'  
    }  
    service { 'tomcat':  
        ensure => 'running',  
        enable => 'true'  
    }  
}  
Include tomcat
```

Include tomcat

Master# vi /etc/puppet/manifests/site.pp

```
class mariadb {  
    package { "mariadb-server":  
        ensure => 'installed'  
    }  
    package { "mariadb":  
        ensure => 'installed'  
    }  
}  
}
```

Include mariadb