

# centos puppet



- 1. Master machine
  - 1. ip : 192.168.10.10 / master.localdomain / Centos6
- 2. Agent machine
  - 1. ip : 192.168.10.100 / agent.localdomain / Centos6



- 1. 2.

```
$> rpm -Uvh http://yum.puppetlabs.com/puppetlabs-release-el-6.noarch.rpm
Retrieving http://yum.puppetlabs.com/puppetlabs-release-el-6.noarch.rpm
warning: /var/tmp/rpm-tmp.Ze6mXg: Header V4 RSA/SHA1 Signature, key ID 4bd6ec30: NOKEY
Preparing... ##### [100%]
package puppetlabs-release-6-11.noarch is already installed
```



- 1. 1. 2.

```
[root@master ~]# yum install puppet-server -y

=====
=====
Package      Arch    Version      Repository      Size
=====
=====
Installing:
puppet-server  noarch  3.8.2-1.el6  puppetlabs-products  24 k
```

Installing for dependencies:

augeas-libs	x86_64	1.0.0-10.el6	base	314 k
compat-readline5	x86_64	5.2-17.1.el6	base	130 k
facter	x86_64	1:2.4.4-1.el6	puppetlabs-products	99 k
hiera	noarch	1.3.4-1.el6	puppetlabs-products	23 k
libselinux-ruby	x86_64	2.0.94-5.8.el6	base	100 k
puppet	noarch	3.8.2-1.el6	puppetlabs-products	1.6 M
ruby	x86_64	1.8.7.374-4.el6_6	base	538 k
ruby-augeas	x86_64	0.4.1-3.el6	puppetlabs-deps	21 k
ruby-irb	x86_64	1.8.7.374-4.el6_6	base	317 k
ruby-libs	x86_64	1.8.7.374-4.el6_6	base	1.7 M
ruby-rdoc	x86_64	1.8.7.374-4.el6_6	base	381 k
ruby-shadow	x86_64	1:2.2.0-2.el6	puppetlabs-deps	13 k
rubygem-json	x86_64	1.5.5-3.el6	puppetlabs-deps	763 k
rubygems	noarch	1.3.7-5.el6	base	207 k

Transaction Summary

=====

=====

Install 15 Package(s)

## 1. config [ ] [ ] [ ]

```
[root@master ~]# vi /etc/puppet/puppet.conf
```

```
[main]
```

```
# The Puppet log directory.
```

```
# The default value is '$vardir/log'.
```

```
logdir = /var/log/puppet
```

```
# Where Puppet PID files are kept.
```

```
# The default value is '$vardir/run'.
```

```
rundir = /var/run/puppet
```

```
# Where SSL certificates are kept.
```

```
# The default value is '$confdir/ssl'.
```

```
ssldir = $vardir/ssl
```

```
moduledir = /etc/puppet/modules
```

```
[agent]
# The file in which puppetd stores a list of the classes
# associated with the retrieved configuration. Can be loaded in
# the separate ``puppet`` executable using the ``--loadclasses``
# option.
# The default value is '$confdir/classes.txt'.
classfile = $vardir/classes.txt

# Where puppetd caches the local configuration. An
# extension indicating the cache format is added automatically.
# The default value is '$confdir/localconfig'.
localconfig = $vardir/localconfig

[master]
certname = master.localdomain
moduledir [ ] , certname = master.localdomain [ ] master [ ] [ ]
```

## 2. [ ] [ ]

```
[root@master ~]# puppet resource package puppet-server ensure=latest
package { 'puppet-server':
  ensure => '3.8.2-1.el6',
}
```

## 3. [ ] [ ]

```
[root@master ~]# /etc/init.d/puppetmaster start
Starting puppetmaster: [ OK ]
```

## 4. [ ] [ ]

```
[root@master ~]# netstat -antp | grep LISTEN
tcp    0    0 0.0.0.0:8140          0.0.0.0:*            LISTEN  1127/ruby
tcp    0    0 0.0.0.0:22           0.0.0.0:*            LISTEN  878/sshd
tcp    0    0 127.0.0.1:25         0.0.0.0:*            LISTEN  897/sendmail
tcp    0    0 :::22               :::*                  LISTEN  878/sshd
*tcp/8140 [ ] [ ] [ ] [ ] .
```

## 2. Agent [ ] 1. [ ] [ ]

```
[root@agent ~]# yum install puppet -y
```

```
=====
=====
Package            Arch      Version      Repository      Size
=====
=====
Installing:
puppet             noarch    3.8.2-1.el6    puppetlabs-products  1.6 M
Installing for dependencies:
augeas-libs        x86_64    1.0.0-10.el6    base              314 k
compat-readline5    x86_64    5.2-17.1.el6    base              130 k
facter             x86_64    1:2.4.4-1.el6    puppetlabs-products  99 k
hiera              noarch    1.3.4-1.el6    puppetlabs-products  23 k
libselenium-ruby    x86_64    2.0.94-5.8.el6    base              100 k
ruby               x86_64    1.8.7.374-4.el6_6  base              538 k
ruby-augeas        x86_64    0.4.1-3.el6     puppetlabs-deps     21 k
ruby-irb           x86_64    1.8.7.374-4.el6_6  base              317 k
ruby-libs          x86_64    1.8.7.374-4.el6_6  base              1.7 M
ruby-rdoc          x86_64    1.8.7.374-4.el6_6  base              381 k
ruby-shadow        x86_64    1:2.2.0-2.el6    puppetlabs-deps     13 k
rubygem-json       x86_64    1.5.5-3.el6     puppetlabs-deps     763 k
rubygems           noarch    1.3.7-5.el6     base               207 k

Transaction Summary
=====
=====
Install      14 Package(s)
```

## 1.

```
[root@agent ~]# vi /etc/puppet/puppet.conf
```

```
[main]
```

```
# The Puppet log directory.
```

```
# The default value is '$vardir/log'.
```

```
logdir = /var/log/puppet
```

```
# Where Puppet PID files are kept.
```

```
# The default value is '$vardir/run'.
```

```
rundir = /var/run/puppet
```

```
# Where SSL certificates are kept.
```

```
# The default value is '$confdir/ssl'.
```

```
ssldir = $vardir/ssl
```

```
[agent]
```

```
# The file in which puppetd stores a list of the classes
```

```
# associated with the retrieved configuration. Can be loaded in
```

```
# the separate ``puppet`` executable using the ``--loadclasses``
```

```
# option.
```

```
# The default value is '$confdir/classes.txt'.
```

```
classfile = $vardir/classes.txt
```

```
# Where puppetd caches the local configuration. An
```

```
# extension indicating the cache format is added automatically.
```

```
# The default value is '$confdir/localconfig'.
```

```
localconfig = $vardir/localconfig
```

```
certname=agent.localdomain
```

```
runinterval = 60
```

```
certname = [ ] [ ] , runinterval [ ] [ ] [ ] ( [ ] ) [ ] [ ] [ ] .
```

```
[root@agent ~]# vi /etc/sysconfig/puppet
```

```
# The puppetmaster server
```

```
PUPPET_SERVER=master.localdomain
```

```
# If you wish to specify the port to connect to do so here
```

```
#PUPPET_PORT=8140
```

```
# Where to log to. Specify syslog to send log messages to the system log.
```

```
PUPPET_LOG=/var/log/puppet/puppet.log
```

```
# You may specify other parameters to the puppet client here
```

```
#PUPPET_EXTRA_OPTS=--waitforcert=500
```

```
PUPPET_SERVER [ ] [ ] [ ] [ ] [ ]
```

```
PUPPET_LOG [ ] [ ] [ ] [ ] [ ]
```

## 2. 启动 puppet 代理

```
[root@agent ~]# /etc/init.d/puppet start
Starting puppet agent: [ OK ]
[root@agent ~]# ps -ef | grep puppet
root    1072    1  3 16:03 ?        00:00:00 /usr/bin/ruby /usr/bin/puppet agent --
server=master.localdomain --logdest=/var/log/puppet/puppet.log
*  puppetd  puppetd  *
```



## 1. 配置 puppet 代理

### 1. 配置 puppet 代理

```
[root@master ~]# puppet cert --sign --list
"agent.localdomain" (SHA256)
52:0D:EF:51:BB:50:99:FE:BC:6D:2F:33:CC:A9:43:73:3B:1C:C6:A1:D6:4C:D2:13:DE:AA:75:E9
:7E:D2:2A:E5
*  puppetd  puppetd  +  puppetd  puppetd  puppetd  puppetd  .
```

### 2. 配置 puppet 代理

```
[root@master ~]# puppet cert --sign agent.localdomain
Notice: Signed certificate request for agent.localdomain
Notice: Removing file Puppet::SSL::CertificateRequest agent.localdomain at
'/var/lib/puppet/ssl/ca/requests/agent.localdomain.pem'
```

### 3. 配置 puppet 代理

```
[root@master ~]# puppet cert --sign --all --list
+ "agent.localdomain" (SHA256)
9C:18:CA:26:73:CA:65:96:85:07:B1:F4:B7:A3:2C:43:FA:EE:63:3C:A7:A3:6C:CD:A2:51:5B:81:
D2:E5:2D:3F
puppetd  puppetd  +  puppetd  puppetd  .
```

1. 在 master 上创建 puppet 环境。

#### 4. 在 master 上创建 puppet 环境

```
[root@master ~]# cat /etc/puppet/manifests/site.pp
file {
  '/tmp/hello' :
    owner => root,
    group => root,
    mode => 444,
    content => "Hello Puppet
by Machine\n";
}
```

\* /tmp/hello 文件的所有权归 root 用户，权限为 444(read)，内容为 Hello Puppet by Machine

#### 5. puppet 应用

```
[root@master ~]# puppet apply /etc/puppet/manifests/site.pp
Notice: Compiled catalog for master in environment production in 0.17 seconds
Notice: /Stage[main]/Main/File[/tmp/hello]/content: content changed
'{md5}723c9d4525cebf11f4e6171740b15abd' to
'{md5}7b1d27a85c9ebf03075ee2150fb4d770'
Notice: Finished catalog run in 0.09 seconds
/tmp/hello 文件的所有权归 root 用户，权限为 444
```

## 2. Agent 安装

```
[root@agent ~]# ls -l /tmp/hello
-r--r--r-- 1 root root 25 Sep 14 16:11 /tmp/hello
[root@agent ~]# cat /tmp/hello
Hello Puppet
by Machine
```

- /tmp/hello 文件的所有权归 root 用户，权限为 444

## Reference

- [https://docs.puppetlabs.com/guides/install\\_puppet/install\\_el.html?\\_ga=1.81661140.2146970350.1440482857//](https://docs.puppetlabs.com/guides/install_puppet/install_el.html?_ga=1.81661140.2146970350.1440482857//)
  - <http://ora-sysdba.tistory.com/entry/Infra-%EC%84%9C%EB%B2%84%EA%B4%80%EB%A6%AC%EC%9D%98-%ED%9A%A8%EC%9C%A8%ED%99%94-Puppet-%EC%84%A4%EC%B9%98//>
- 

Revision #1

Created 7 June 2022 01:15:57 by artop0420

Updated 24 December 2023 02:44:44 by artop0420