

# puppet ?????

- [centos 7 puppet 3.8.7](#)
- [puppet 3.8.7 安装 配置](#)

# centos?? puppet ????

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

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1.

```
$> 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.

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

```

## 2. [REDACTED] [REDACTED]

```

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

```

## 3. [REDACTED] [REDACTED]

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

#### 4. `netstat` `grep`

```
[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  ruby ruby ruby.
```

## 2. Agent `yum` 1. `yum` `install`

```
[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
libselinux-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. `logdir` `rundir`

```
[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 = hostname -f, runinterval 60 seconds interval.

[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 hostname -f hostname -f
PUPPET_LOG hostname -f hostname -f

```

## 2. `start` `ps`

```

[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
*  Puppet 4.10.0 on Linux
```

?? ?????

1. Puppet 4.10.0 on Linux

1. Puppet 4.10.0 on Linux

```
[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:A
A:75:E9:7E:D2:2A:E5
*  Puppet 4.10.0 on Linux
```

2. Puppet 4.10.0 on Linux

```
[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. Puppet 4.10.0 on Linux

```
[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:A2:5
1:5B:81:D2:E5:2D:3F
*  Puppet 4.10.0 on Linux
```

Puppet 4.10.0 on Linux

4. Puppet 4.10.0 on Linux

```
[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 444(read) , root Hello Puppet
```

## 5. puppet

```
[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
```

## 2. Agent

```
[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

## 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//>

# puppet ???? ???? ??

puppet agent

```
$> puppet agent --configprint all
```