

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. 安装 puppet

```
$> 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
```

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1. 安装 puppet-server

```
[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. 启动 puppetmaster

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

4. 查看 puppetmaster 监听端口

```
[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 安装 1. 安装 puppet

```
[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

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Install 14 Package(s)

1. 查看 配置

```
[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 = 0000 00000 00, runinterval 0 0000 00(0000) 0 0000 0.

[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 0000 00 000000 00
PUPPET_LOG 0000 0000 0000 00

```

2. 000 00

```

[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 代理节点
```

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1. 检查 Puppet 代理节点

1. 检查 Puppet 代理节点

```
[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 代理节点 + Puppet 代理节点 检查 代理节点 代理节点.
```

2. 检查 Puppet 代理节点

```
[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. 检查 Puppet 代理节点

```
[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 代理节点 + Puppet 代理节点 检查 代理节点.
```

检查 代理节点 代理节点 代理节点 .

4. 检查 Puppet 代理节点

```
[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, 所有者 root, 组 root, 权限 444(read) 内容 Hello Puppet 文件
```

5. puppet 安装

```
[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
[root@master ~]#
/tmp/hello 文件 权限 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 权限 444

Reference

- 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//>
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Revision #1

Created 7 June 2022 01:15:57 by artop0420

Updated 24 December 2023 02:44:44 by artop0420