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I was setting up Origin on CloudStack with CentOS 6.3. Below are the steps I followed.
I will formalize and update http://openshift.github.io/origin/file.install origin using puppet.html to
reflect this setup procedure.
This same procedure should work on RHEL systems as well.
1) Start a new machine with a new network
2) Obtain an external IP for the machine and enable ssh access
*** Rest of the steps assume you are logged into the system as root ***
3) Install puppet labs repo (make sure to exclude m-collective)
[root@ec0bf643-c778-44d4-87c2-33e720affaa5 ~]# cat /etc/yum.repos.d/Puppetlabs.repo
[puppetdeps]
name=puppetdeps
baseurl=http://yum.puppetlabs.com/el/6/dependencies/x86 64/
#baseurl=http://mirror.centos.org/centos/$releasever/os/$basearch/
gpgcheck=0
#released updates
[puppet]
name=puppet
baseurl=http://yum.puppetlabs.com/el/6/products/x86_64/
gpgcheck=0
exclude=mcollective*
4) Install epel repo
yum install -y --nogpgcheck http://mirrors.servercentral.net/fedora/epel/6/i386/epel-
release-6-8.noarch.rpm
5) Install puppet
yum install -y puppet facter tar
puppet module install openshift/openshift_origin
6) Generate BIND auth key for DNS
yum install -y bind
#Using example.com as the cloud domain
/usr/sbin/dnssec-keygen -a HMAC-MD5 -b 512 -n USER -r /dev/urandom -K /var/named example.com
cat /var/named/Kexample.com.*.key | awk '{print $8}'
This will print the BIND dns key which will be used later:
[root@ec0bf643-c778-44d4-87c2-33e720affaa5 ~]# cat /var/named/Kexample.com.*.key | awk '{print $8}'
b+ygy3xAxfNF5gyEbwWfAIJeW8N8gw==
7) Set up hostname
[root@ec0bf643-c778-44d4-87c2-33e720affaa5 ~]# cat /etc/hosts
           localhost localhost.localdomain localhost4 localhost4.localdomain4
127.0.0.1
            localhost localhost.localdomain localhost6 localhost6.localdomain6
::1
72.52.126.70 puppet
72.52.67.133 broker.example.com
[root@ec0bf643-c778-44d4-87c2-33e720affaa5 ~]# cat /etc/hostname
broker.example.com
8) Create puppet install script.
- Make sure node fqdn is correct and matches hostname
- Make sure dns_servers are correct otherwise upstream DNS lookups will be broken
- Set named_tsig_priv_key to be the BIND dns key generated above
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[root@ec0bf643-c778-44d4-87c2-33e720affaa5 ~]# cat configure_origin.pp
class { 'openshift_origin' :
 #The DNS resolvable hostname of this host
                            => "broker.example.com",
 node_fqdn
 #The domain under which application should be created. Eg: <app>-<namespace>.example.com
  cloud_domain
                            => 'example.com',
 #Upstream DNS server.
                            => ['10.1.1.1','8.8.8.8'],
  dns servers
  enable_network_services
                            => true,
  configure firewall
                            => true,
  configure_ntp
                            => false,
  #Configure the required services
  configure activemq
  configure mongodb
                            => true,
  configure named
                            => true,
  configure avahi
                            => false,
  configure_broker
                            => true,
  configure_node
                            => true,
  #Enable development mode for more verbose logs
  development_mode
                            => true,
  #Update the nameserver on this host to point at Bind server
  update_network_dns_servers => true,
 #Use the nsupdate broker plugin to register application
  broker dns plugin
                            => 'nsupdate',
 #If installing from a local build, specify the path for Origin RPMs
 #install repo
                              => 'file:///root/origin-rpms',
 #If using BIND, let the broker know what TSIG key to use
  named_tsig_priv_key
                        => 'b+yqy3xAxfNF5qyEbwWfAIJeW8N8qw=='
9) Apply puppet
puppet apply --verbose configure openshift.pp
Note: This step takes a while
10) Fixup sshd config (optional)
By default OpenShift puppet will configure sshd to block root logins with password.
You may need to modify the ssh config to make it work for your installation
11) Reboot the machine to start all services in order
12) Install gems required for rhc client tools
yum install -y ruby193-rubygem-archive-tar-minitar ruby193-rubygem-net-ssh
gem install httpclient
13) Run client tools
rhc setup --server=localhost
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