Puppet agent and server comunicate via SSL connection.By default, Puppet agent create Certificate Signing Request (CSR)  after we run puppet agent -t on client, and we need to manually sign this request on Puppet server puppet cert sign

We can automate this process in 2 ways:

* whitelisting domain name
* by script which reads log file and approves CSR automatically

**Whitelisting Domain Name**

On Puppet server run puppet config print --section master autosign

Create file /etc/puppetlabs/puppet/autosign.conf and whitelist domain name

Content of /etc/puppetlabs/puppet/autosign.conf:

\*.mshome.net

Restart Puppet master service:systemctl restart puppetserver

If we now run puppet agent -t on Puppet node, CSR will be signed automatically.

**Automating CSR using script**

On Puppet master run puppet config set --section master autosign /etc/puppetlabs/puppet/autosign.sh

Content of /etc/puppetlabs/pupppet/autosign.sh

#!/bin/bash

#

# a test script for policy based autosigning in puppet

#

# this script logs the certname and the CN from the CSR

# via syslog to local3.info. on centos7 this lands in

# /var/log/messages.

#

# $1 gets passed by the puppet master and is the certname of the agent

# the CSR is passed on STDIN

set -eof pipefail

export PATH=/bin:/sbin

readonly CERTNAME=$1

readonly CSR=$(cat -)

readonly CN=$(echo "${CSR}" | openssl req -noout -text | grep CN)

logger -p local3.info "received csr for host ${CERTNAME}"

logger -p local3.info "Common Name in CSR: ${CN}"

exit 0

Restart Puppet master service again and run puppet agent -t again

