root@dev-server:/opt/puppetlabs/bin# ./facter

aio\_agent\_version => 1.10.0

augeas => {

version => "1.4.0"

}

disks => {

sda => {

model => "VBOX HARDDISK",

size => "20.00 GiB",

size\_bytes => 21474836480,

vendor => "ATA"

},

sr0 => {

model => "CD-ROM",

size => "1.00 GiB",

size\_bytes => 1073741312,

vendor => "VBOX"

}

}

dmi => {

bios => {

release\_date => "12/01/2006",

vendor => "innotek GmbH",

version => "VirtualBox"

},

board => {

manufacturer => "Oracle Corporation",

product => "VirtualBox",

serial\_number => "0"

},

chassis => {

type => "Other"

},

manufacturer => "innotek GmbH",

product => {

name => "VirtualBox",

serial\_number => "0",

uuid => "E1CF7EC8-0505-4B43-9797-AA7015948DB5"

}

}

facterversion => 3.6.3

filesystems => btrfs,ext2,ext3,ext4,hfs,hfsplus,jfs,minix,msdos,ntfs,qnx4,squashfs,ufs,vfat,xfs

identity => {

gid => 0,

group => "root",

privileged => true,

uid => 0,

user => "root"

}

is\_virtual => true

kernel => Linux

kernelmajversion => 4.4

kernelrelease => 4.4.0-72-generic

kernelversion => 4.4.0

load\_averages => {

15m => 0,

1m => 0,

5m => 0

}

memory => {

swap => {

available => "1.00 GiB",

available\_bytes => 1073737728,

capacity => "0%",

total => "1.00 GiB",

total\_bytes => 1073737728,

used => "0 bytes",

used\_bytes => 0

},

system => {

available => "3.37 GiB",

available\_bytes => 3622400000,

capacity => "12.57%",

total => "3.86 GiB",

total\_bytes => 4143349760,

used => "496.82 MiB",

used\_bytes => 520949760

}

}

mountpoints => {

/ => {

available => "15.23 GiB",

available\_bytes => 16350728192,

capacity => "15.88%",

device => "/dev/mapper/ubuntu--vg-root",

filesystem => "ext4",

options => [

"rw",

"relatime",

"errors=remount-ro",

"data=ordered"

],

size => "18.10 GiB",

size\_bytes => 19438366720,

used => "2.88 GiB",

used\_bytes => 3087638528

},

/boot => {

available => "271.41 MiB",

available\_bytes => 284589056,

capacity => "42.45%",

device => "/dev/sda1",

filesystem => "ext2",

options => [

"rw",

"relatime",

"block\_validity",

"barrier",

"user\_xattr",

"acl"

],

size => "471.60 MiB",

size\_bytes => 494512128,

used => "200.20 MiB",

used\_bytes => 209923072

},

/dev/shm => {

available => "1.93 GiB",

available\_bytes => 2071674880,

capacity => "0%",

device => "tmpfs",

filesystem => "tmpfs",

options => [

"rw",

"nosuid",

"nodev"

],

size => "1.93 GiB",

size\_bytes => 2071674880,

used => "0 bytes",

used\_bytes => 0

},

/run => {

available => "389.51 MiB",

available\_bytes => 408432640,

capacity => "1.42%",

device => "tmpfs",

filesystem => "tmpfs",

options => [

"rw",

"nosuid",

"noexec",

"relatime",

"size=404624k",

"mode=755"

],

size => "395.14 MiB",

size\_bytes => 414334976,

used => "5.63 MiB",

used\_bytes => 5902336

},

/run/lock => {

available => "5.00 MiB",

available\_bytes => 5242880,

capacity => "0%",

device => "tmpfs",

filesystem => "tmpfs",

options => [

"rw",

"nosuid",

"nodev",

"noexec",

"relatime",

"size=5120k"

],

size => "5.00 MiB",

size\_bytes => 5242880,

used => "0 bytes",

used\_bytes => 0

},

/run/user/0 => {

available => "395.14 MiB",

available\_bytes => 414334976,

capacity => "0%",

device => "tmpfs",

filesystem => "tmpfs",

options => [

"rw",

"nosuid",

"nodev",

"relatime",

"size=404624k",

"mode=700"

],

size => "395.14 MiB",

size\_bytes => 414334976,

used => "0 bytes",

used\_bytes => 0

},

/sys/fs/cgroup => {

available => "1.93 GiB",

available\_bytes => 2071674880,

capacity => "0%",

device => "tmpfs",

filesystem => "tmpfs",

options => [

"ro",

"nosuid",

"nodev",

"noexec",

"mode=755"

],

size => "1.93 GiB",

size\_bytes => 2071674880,

used => "0 bytes",

used\_bytes => 0

}

}

networking => {

dhcp => "192.168.1.1",

domain => "local",

fqdn => "dev-server.local",

hostname => "dev-server",

interfaces => {

enp0s3 => {

bindings => [

{

address => "192.168.1.10",

netmask => "255.255.255.0",

network => "192.168.1.0"

}

],

bindings6 => [

{

address => "fe80::a00:27ff:fed8:9d3b",

netmask => "ffff:ffff:ffff:ffff::",

network => "fe80::"

}

],

dhcp => "192.168.1.1",

ip => "192.168.1.10",

ip6 => "fe80::a00:27ff:fed8:9d3b",

mac => "08:00:27:d8:9d:3b",

mtu => 1500,

netmask => "255.255.255.0",

netmask6 => "ffff:ffff:ffff:ffff::",

network => "192.168.1.0",

network6 => "fe80::"

},

lo => {

bindings => [

{

address => "127.0.0.1",

netmask => "255.0.0.0",

network => "127.0.0.0"

}

],

bindings6 => [

{

address => "::1",

netmask => "ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff",

network => "::1"

}

],

ip => "127.0.0.1",

ip6 => "::1",

mtu => 65536,

netmask => "255.0.0.0",

netmask6 => "ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff",

network => "127.0.0.0",

network6 => "::1"

}

},

ip => "192.168.1.10",

ip6 => "fe80::a00:27ff:fed8:9d3b",

mac => "08:00:27:d8:9d:3b",

mtu => 1500,

netmask => "255.255.255.0",

netmask6 => "ffff:ffff:ffff:ffff::",

network => "192.168.1.0",

network6 => "fe80::",

primary => "enp0s3"

}

os => {

architecture => "amd64",

distro => {

codename => "xenial",

description => "Ubuntu 16.04.2 LTS",

id => "Ubuntu",

release => {

full => "16.04",

major => "16.04"

}

},

family => "Debian",

hardware => "x86\_64",

name => "Ubuntu",

release => {

full => "16.04",

major => "16.04"

},

selinux => {

enabled => false

}

}

partitions => {

/dev/mapper/ubuntu--vg-root => {

filesystem => "ext4",

mount => "/",

size => "18.52 GiB",

size\_bytes => 19885195264,

uuid => "c41aacf1-777c-4c63-8d4a-b832d0a8fbf5"

},

/dev/mapper/ubuntu--vg-swap\_1 => {

filesystem => "swap",

size => "1.00 GiB",

size\_bytes => 1073741824,

uuid => "fd432d60-2eca-4425-bc05-d14a5eff702f"

},

/dev/sda1 => {

filesystem => "ext2",

mount => "/boot",

partuuid => "86149e61-01",

size => "487.00 MiB",

size\_bytes => 510656512,

uuid => "2468464f-ed7c-4030-a289-3c548798d183"

},

/dev/sda2 => {

size => "1.00 KiB",

size\_bytes => 1024

},

/dev/sda5 => {

filesystem => "LVM2\_member",

partuuid => "86149e61-05",

size => "19.52 GiB",

size\_bytes => 20961034240,

uuid => "cu0128-1023-Ulzh-Oiei-Ge0w-t9XE-94L30g"

}

}

path => /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/opt/puppetlabs/bin

processors => {

count => 4,

isa => "x86\_64",

models => [

"Intel(R) Core(TM) i7-4790K CPU @ 4.00GHz",

"Intel(R) Core(TM) i7-4790K CPU @ 4.00GHz",

"Intel(R) Core(TM) i7-4790K CPU @ 4.00GHz",

"Intel(R) Core(TM) i7-4790K CPU @ 4.00GHz"

],

physicalcount => 1

}

ruby => {

platform => "x86\_64-linux",

sitedir => "/opt/puppetlabs/puppet/lib/ruby/site\_ruby/2.1.0",

version => "2.1.9"

}

ssh => {

dsa => {

fingerprints => {

sha1 => "SSHFP 2 1 5fe3426b321c156226adb651f9b37aebff1da069",

sha256 => "SSHFP 2 2 d3c607fc3502c9fcbfb75dacac84b5a56d8ec7d17c368d47e3fd75cac462c376"

},

key => ""

},

ecdsa => {

fingerprints => {

sha1 => "SSHFP 3 1 b18758fe87bd22def5b05585ea9ce3b8aaa04e82",

sha256 => "SSHFP 3 2 5e3b331e31718cad83621571c52b2650537df23dfe25a6b46f2f02c13e26ae35"

},

key => "AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBAbfXb2+tygn3EHsLWQ8IhSmgZ3iWDDG6MSUTliGjlTUZ+LvdAfSrC3id7t0VWWV1eySIjgAE7ibMHn1K8yxIX8="

},

ed25519 => {

fingerprints => {

sha1 => "SSHFP 4 1 f7291e10bbc1ca934908144028f1b405d1e448b5",

sha256 => "SSHFP 4 2 adbef06381f40c01589414cb7fd9c786982b2010441ada5c10ae81d109b45625"

},

key => "AAAAC3NzaC1lZDI1NTE5AAAAIBDp5yKUnPYg5tI3KRCUEn4PmDSjFOaOu5EbiNOP02uK"

},

rsa => {

fingerprints => {

sha1 => "SSHFP 1 1 40accdc63bd6d83af543f83d32e98e04b7ce1b73",

sha256 => "SSHFP 1 2 a0648623ec2bda082bf95663a5ada73630829c357d17797287b382b715ea7085"

},

key => "AAAAB3NzaC1yc2EAAAADAQABAAABAQC4JMKEyhjAiHm3Am0Q3MhDPkov0r8BXuf6i63eMejAEjKGGHW6bVBo2SZJCtM20WnSDclMlB96DPtQC14cHD4Z7WgVbf3xIvUoASIb34WTR7Zm9e9NTf2HbtqympP+3DGlX2/ED/K6nr0zZt1j/ylVRiWKBiQobz3RX5KEOqRVDZ8R5k1A3ChqKSiF/C8RMTrD15nbyVzVS7b5o+Ix8/qxayM/dUVaVpxjI+U2aDjRdIe+LMJjEqgM37eiP+m3Q5dH7fXhI9xCpZ1bidxxK+hBJwtks8rADLL/u1wIWCeG1gL94nE/UxVW2nWDAxi/feCkBnKlbDUqoc2Wt9wrGbaP"

}

}

system\_uptime => {

days => 0,

hours => 1,

seconds => 5325,

uptime => "1:28 hours"

}

timezone => IST

virtual => virtualbox

root@dev-server:/opt/puppetlabs/bin#

puppet module install puppetlabs-java --version 1.6.0

Gopinath Selvanathan [9:59 PM]

please explain the following terminologies once again , manifest , modules , classes , resource .

new messages

Manas sahoo [10:19 PM]

I do not see anything in the shared folder you shared in google drive?

Manifests:- Actualy Ruby like code which will do the installation

# ssh/manifests/init.pp - common ssh related components

# Copyright (C) 2007 David Schmitt <david@schmitt.edv-bus.at>

# See LICENSE for the full license granted to you.

class ssh::common {

file {

"/etc/ssh":

ensure => directory,

mode => 0755, owner => root, group => root,

}

group {

ssh:

gid => 204,

allowdupe => false,

}

}

class ssh::client inherits ssh::common {

package {

"openssh-client":

ensure => installed,

require => [ File["/etc/ssh"], Group[ssh] ],

}

# this is needed because the gid might have changed

file {

"/usr/bin/ssh-agent":

group => ssh,

require => Package[openssh-client];

"/etc/ssh/ssh\_known\_hosts":

mode => 0644, owner => root, group => 0;

}

# Now collect all server keys

Sshkey <<||>>

}

class ssh::server inherits ssh::client {

package {

"openssh-server":

ensure => installed,

require => [ File["/etc/ssh"], User[sshd] ],

}

user {

sshd:

uid => 204, gid => 65534,

home => "/var/run/sshd",

shell => "/usr/sbin/nologin",

allowdupe => false,

}

service {

ssh:

ensure => running,

pattern => "sshd",

require => Package["openssh-server"],

subscribe => [ User[sshd], Group["ssh"] ]

}

# Now add the key, if we've got one

case $sshrsakey\_key {

"": {

err("no sshrsakey on $fqdn")

}

default: {

#@@sshkey { "$hostname.$domain": type => ssh-dss, key => $sshdsakey\_key, ensure => present, }

debug ( "Storing rsa key for $hostname.$domain" )

@@sshkey { "$hostname.$domain":

type => ssh-rsa,

key => $sshrsakey\_key,

ensure => present,

require => Package["openssh-client"],

}

}

}

$real\_ssh\_port = $ssh\_port ? { '' => 22, default => $ssh\_port }

debug("User requested ssh on $fqdn with port '${ssh\_port}'" )

notice("Configuring ssh on $fqdn with port '${real\_ssh\_port}'" )

config{ "Port": ensure => $real\_ssh\_port }

nagios::service{ "ssh\_port\_${real\_ssh\_port}": check\_command => "ssh\_port!$real\_ssh\_port" }

}

define ssh::server::config($ensure) {

replace {

"sshd\_config\_$name":

file => "/etc/ssh/sshd\_config",

pattern => "^$name +(?!\\Q$ensure\\E).\*",

replacement => "$name $ensure",

notify => Service[ssh],

}

}

Modules:-

Manifests + files + templates + tests + metadata + custom facts

Classes

Inside manifests you can group code and reuse that grouping again and again

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Branch: master Find file Copy pathpuppetlabs-java/manifests/init.pp

a844828 on Mar 29

Wilson McCoubrey [maint] Fix puppet-lint warnings introduced with 2.2.0 puppet-lint re…

16 contributors @jeffmccune @sschneid @reidmv @joerayme @hunner @ody @tphoney @electrical @ntpttr @haus @liwo @kian @eshamow @danielparks @ccaum @tux-o-matic

RawBlameHistory

130 lines (118 sloc) 3.82 KB

# Class: java

#

# This module manages the Java runtime package

#

# Parameters:

#

# [\*distribution\*]

# The java distribution to install. Can be one of "jdk" or "jre",

# or other platform-specific options where there are multiple

# implementations available (eg: OpenJDK vs Oracle JDK).

#

#

# [\*version\*]

# The version of java to install. By default, this module simply ensures

# that java is present, and does not require a specific version.

#

# [\*package\*]

# The name of the java package. This is configurable in case a non-standard

# java package is desired.

#

# [\*package\_options\*]

# Array of strings to pass installation options to the 'package' Puppet resource.

# Options available depend on the 'package' provider for the target OS.

#

# [\*java\_alternative\*]

# The name of the java alternative to use on Debian systems.

# "update-java-alternatives -l" will show which choices are available.

# If you specify a particular package, you will almost always also

# want to specify which java\_alternative to choose. If you set

# this, you also need to set the path below.

#

# [\*java\_alternative\_path\*]

# The path to the "java" command on Debian systems. Since the

# alternatives system makes it difficult to verify which

# alternative is actually enabled, this is required to ensure the

# correct JVM is enabled.

#

# [\*java\_home\*]

# The path to where the JRE is installed. This will be set as an

# environment variable.

#

# Actions:

#

# Requires:

#

# Sample Usage:

#

class java(

$distribution = 'jdk',

$version = 'present',

$package = undef,

$package\_options = undef,

$java\_alternative = undef,

$java\_alternative\_path = undef,

$java\_home = undef

) {

include java::params

validate\_re($version, 'present|installed|latest|^[.+\_0-9a-zA-Z:~-]+$')

if $package\_options != undef {

validate\_array($package\_options)

}

if has\_key($java::params::java, $distribution) {

$default\_package\_name = $java::params::java[$distribution]['package']

$default\_alternative = $java::params::java[$distribution]['alternative']

$default\_alternative\_path = $java::params::java[$distribution]['alternative\_path']

$default\_java\_home = $java::params::java[$distribution]['java\_home']

} else {

fail("Java distribution ${distribution} is not supported.")

}

$use\_java\_package\_name = $package ? {

undef => $default\_package\_name,

default => $package,

}

## If $java\_alternative is set, use that.

## Elsif the DEFAULT package is being used, then use $default\_alternative.

## Else undef

$use\_java\_alternative = $java\_alternative ? {

undef => $use\_java\_package\_name ? {

$default\_package\_name => $default\_alternative,

default => undef,

},

default => $java\_alternative,

}

## Same logic as $java\_alternative above.

$use\_java\_alternative\_path = $java\_alternative\_path ? {

undef => $use\_java\_package\_name ? {

$default\_package\_name => $default\_alternative\_path,

default => undef,

},

default => $java\_alternative\_path,

}

$use\_java\_home = $java\_home ? {

undef => $use\_java\_package\_name ? {

$default\_package\_name => $default\_java\_home,

default => undef,

},

default => $java\_home,

}

$jre\_flag = $use\_java\_package\_name ? {

/headless/ => '--jre-headless',

default => '--jre'

}

if $::osfamily == 'Debian' {

# Needed for update-java-alternatives

package { 'java-common':

ensure => present,

before => Class['java::config'],

}

}

anchor { 'java::begin:': }

-> package { 'java':

ensure => $version,

install\_options => $package\_options,

name => $use\_java\_package\_name,

}

-> class { 'java::config': }

-> anchor { 'java::end': }

}

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Resources

root@dev-server:/opt/puppetlabs/bin# ./puppet resource user

user { '\_apt':

ensure => 'present',

gid => '65534',

home => '/nonexistent',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/false',

uid => '105',

}

user { 'backup':

ensure => 'present',

comment => 'backup',

gid => '34',

home => '/var/backups',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '34',

}

user { 'bin':

ensure => 'present',

comment => 'bin',

gid => '2',

home => '/bin',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '2',

}

user { 'daemon':

ensure => 'present',

comment => 'daemon',

gid => '1',

home => '/usr/sbin',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '1',

}

user { 'dnsmasq':

ensure => 'present',

comment => 'dnsmasq,,,',

gid => '65534',

home => '/var/lib/misc',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/false',

uid => '109',

}

user { 'games':

ensure => 'present',

comment => 'games',

gid => '60',

home => '/usr/games',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '5',

}

user { 'gnats':

ensure => 'present',

comment => 'Gnats Bug-Reporting System (admin)',

gid => '41',

home => '/var/lib/gnats',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '41',

}

user { 'irc':

ensure => 'present',

comment => 'ircd',

gid => '39',

home => '/var/run/ircd',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '39',

}

user { 'list':

ensure => 'present',

comment => 'Mailing List Manager',

gid => '38',

home => '/var/list',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '38',

}

user { 'lp':

ensure => 'present',

comment => 'lp',

gid => '7',

home => '/var/spool/lpd',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '7',

}

user { 'lxd':

ensure => 'present',

gid => '65534',

home => '/var/lib/lxd/',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/false',

uid => '106',

}

user { 'mail':

ensure => 'present',

comment => 'mail',

gid => '8',

home => '/var/mail',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '8',

}

user { 'man':

ensure => 'present',

comment => 'man',

gid => '12',

home => '/var/cache/man',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '6',

}

user { 'messagebus':

ensure => 'present',

gid => '111',

home => '/var/run/dbus',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/false',

uid => '107',

}

user { 'news':

ensure => 'present',

comment => 'news',

gid => '9',

home => '/var/spool/news',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '9',

}

user { 'nobody':

ensure => 'present',

comment => 'nobody',

gid => '65534',

home => '/nonexistent',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '65534',

}

user { 'proxy':

ensure => 'present',

comment => 'proxy',

gid => '13',

home => '/bin',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '13',

}

user { 'root':

ensure => 'present',

comment => 'root',

gid => '0',

home => '/root',

password => '$6$QwqlrXmX$.AywuqC.gpAQONMOaqpA7YG4dGsDNbhFaENyoTclxZGBn8rGuGZm8j5N4vupzakC.fSbTFAp25rCL4AkfO.ui1',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/bash',

uid => '0',

}

user { 'sshd':

ensure => 'present',

gid => '65534',

home => '/var/run/sshd',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '110',

}

user { 'sync':

ensure => 'present',

comment => 'sync',

gid => '65534',

home => '/bin',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/sync',

uid => '4',

}

user { 'sys':

ensure => 'present',

comment => 'sys',

gid => '3',

home => '/dev',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '3',

}

user { 'syslog':

ensure => 'present',

gid => '108',

groups => ['adm'],

home => '/home/syslog',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/false',

uid => '104',

}

user { 'systemd-bus-proxy':

ensure => 'present',

comment => 'systemd Bus Proxy,,,',

gid => '105',

home => '/run/systemd',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/false',

uid => '103',

}

user { 'systemd-network':

ensure => 'present',

comment => 'systemd Network Management,,,',

gid => '103',

home => '/run/systemd/netif',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/false',

uid => '101',

}

user { 'systemd-resolve':

ensure => 'present',

comment => 'systemd Resolver,,,',

gid => '104',

home => '/run/systemd/resolve',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/false',

uid => '102',

}

user { 'systemd-timesync':

ensure => 'present',

comment => 'systemd Time Synchronization,,,',

gid => '102',

home => '/run/systemd',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/false',

uid => '100',

}

user { 'tomcat':

ensure => 'present',

gid => '1001',

home => '/home/tomcat',

password => '!',

password\_max\_age => '99999',

password\_min\_age => '0',

uid => '1001',

}

user { 'ubuntu':

ensure => 'present',

comment => 'ubuntu,,,',

gid => '1000',

groups => ['adm', 'cdrom', 'dip', 'plugdev', 'lxd', 'lpadmin', 'sambashare'],

home => '/home/ubuntu',

password => '$6$.RChCCQW$STp.eVovAsyuRL26QUKsWDarVQUG4Uq4xa5T1hIXzQNu8tDvY5LK5Y4zVZXtMmXt1ZOlgiG7gMVMjA6Izao521',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/bash',

uid => '1000',

}

user { 'uucp':

ensure => 'present',

comment => 'uucp',

gid => '10',

home => '/var/spool/uucp',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '10',

}

user { 'uuidd':

ensure => 'present',

gid => '112',

home => '/run/uuidd',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/bin/false',

uid => '108',

}

user { 'www-data':

ensure => 'present',

comment => 'www-data',

gid => '33',

home => '/var/www',

password => '\*',

password\_max\_age => '99999',

password\_min\_age => '0',

shell => '/usr/sbin/nologin',

uid => '33',

}

root@dev-server:/opt/puppetlabs/bin#

End to end flow.

Jenkins Build:

Code checkout

Tests Run

Run docker container in test environment

Invoke the puppet run on the tomcat machine which in turn will deploy your tomcat webapp i.e. addressbook.war

sudo ansible production\_servers -m shell -a “/opt/puppetlabs/bin/puppet agent -t --server=pupper=server.local”

On the jenkins machine you need to set up ansible

You need to set up a puppet server, dev puppet client, prod puppet client

Puppet client have python2.7 installed.

SSH usernames and passwords

After installation:-

Install the tomcat and jav module on the puppet server

/opt/puppetlabs/bin/puppet module install puppetlabs-tomcat --version 1.6.1

/opt/puppetlabs/puppet module install puppetlabs-java --version 1.6.0

Open site.pp

Put this in it

root@puppet-server:/opt/puppetlabs/bin# cat /etc/puppetlabs/code/environments/production/manifests/site.pp

node 'dev-server.local' {

class { 'java' :

package => 'openjdk-8-jdk',

}

tomcat::install { '/opt/tomcat':

source\_url => 'https://www-us.apache.org/dist/tomcat/tomcat-8/v8.5.14/bin/apache-tomcat-8.5.14.tar.gz',

}

tomcat::instance { 'default':

catalina\_home => '/opt/tomcat',

}

tomcat::war { 'addressbook.war':

catalina\_base => '/opt/tomcat',

war\_source => 'puppet:///modules/tomcat/addressbook.war',

}

}

node 'prod-server.local' {

class { 'java' :

package => 'openjdk-7-jdk',

}

tomcat::install { '/opt/tomcat':

source\_url => 'https://www-us.apache.org/dist/tomcat/tomcat-7/v7.0.77/bin/apache-tomcat-7.0.77.tar.gz',

}

tomcat::instance { 'default':

catalina\_home => '/opt/tomcat',

}

tomcat::war { 'addressbook.war':

catalina\_base => '/opt/tomcat',

war\_source => 'puppet:///modules/tomcat/addressbook.war',

}

}

root@puppet-server:/opt/puppetlabs/bin#

Make sure all three machiens (puppetserver, puppetdevclient, puppet prodclient have the following hosts files)

/etc/hosts

192.168.1.12 puppet-server.local puppet-server

192.168.1.11 prod-server.local prod-server

192.168.1.10 dev-server.local dev-server