Top of FormAutomate the process of granting / revoking SSH access to a group of servers instances to a new developer:

Using Puppet mechanism, we can achieve this.

The Puppet master will put a public key of my laptop into **authorized\_keys** of Puppet agent so that I can login to the agent node from my labtop computer via ssh.

Puppet can manage SSH public keys and authorize them for user accounts, using the **ssh\_authorized\_key** resource type.

We'll need our own SSH public key for this. If we already have one on our own computer, display the contents:

If we don't have an SSH key, we can generate SSH key using below command:

**ssh-keygen –t rsa**

Once above command is runsuccessfully**.** SSH user key of will store at below location.

**cat ~/.ssh/id\_rsa.pub**

Now, We can add this user SSH key in puppet users modules, main configuration file i.e init.pp file.

Edit our **modules/user/manifests/init.pp** file as follows using our own key string as the value for key:

user { 'kishore':

name => 'kishore',

ensure => present,

allowdupe => false,

comment => 'Kishore',

managehome => true,

gid => 'kishore',

home => '/home/kishore',

groups => ['wheel'],

shell => '/bin/bash',

# purge\_ssh\_keys => true,

}

group { 'kishore':

name => 'kishore',

ensure => present,

allowdupe => false,

}

ssh\_authorized\_key { 'kishore':

user => 'kishore',

ensure => present,

type => 'ssh-rsa',

target => '/home/kishore/.ssh/authorized\_keys',

key => 'AAAAB3 ….. 3Jd80v5'

}

}

To apply this new manifest change, we need to declare the new module:

/etc/puppet/manifests/site.pp on puppet master server

node ‘host1’, ‘host2’, ‘host3’, ‘host4’ {

include user

}

Run the below Puppet command from puppet master to provide access to user on multiple instances:

**puppet agent --t**

At this point, Puppet has added the key to the file **/home/k/.ssh/authorized\_keys** on Puppet agent node machines. When we try to log in to kishore's account via SSH, the system will look in this file to see if our private key matches any of the public keys listed there.

**To revoke the access to user on instances:**

To revoke the user access on particular machine, process is same above we just need to replace the present attribute with absent attribute in user module init.pp file. Please take a look at below for more details.

Edit our **modules/user/manifests/init.pp** file as follows using our own key string as the value for key:

user { 'kishore':

name => 'kishore',

ensure => absent,

allowdupe => false,

comment => 'Kishore',

managehome => true,

gid => 'kishore',

home => '/home/kishore',

groups => ['wheel'],

shell => '/bin/bash',

# purge\_ssh\_keys => true,

}

group { 'kishore':

name => 'kishore',

ensure => absent,

allowdupe => false,

}

ssh\_authorized\_key { 'kishore':

user => 'kishore',

ensure => absent,

type => 'ssh-rsa',

target => '/home/kishore/.ssh/authorized\_keys',

key => 'AAAAB3 ….. 3Jd80v5'

}

}