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#!/bin/sh
#puppetAgentInstall.sh

# 1. Installs a puppet agent on ubuntu OS. There is an optional check for K8s that i
s
#    lab specific to Simplilearn.
# 2. This script can be run once per server. Give the server a name and it will appe
nd the
#    /etc/hosts file and set up the node.

#NOTE: This script is not secure, don't leave this script on your server! Use at you
r own risk. :D
# Be aware that most of this script runs as a normal user.
# There will be instructions to switch to root when certifications are being set up
using puppet
# agent command.

echo "What is the name of the agent host to be used in /etc/hosts?"
read clientHostName

echo "Do you want to set up host and $clientHostName entries in /etc/hosts?"
read yesNo

if [ $yesNo = 'y' -o $yesNo = 'Y' ]
then
    sudo hostnamectl set-hostname $clientHostName.ec2.internal
    echo "Enter ip address of server: "
    read ipAddr

    echo "setting up hosts..."
    sudo -- sh -c "echo '$(hostname -i| cut -d' ' -f1) $clientHostName.ec2.internal' >
> /etc/hosts"
    sudo -- sh -c "echo '$ipAddr puppetserver.ec2.internal puppet' >> /etc/hosts"
fi

echo "Do you want to download and install puppet agent?"
read yesNo

if [ $yesNo = 'y' -o $yesNo = 'Y' ]
then
    echo "Puppet agent install..."
    curl -O https://apt.puppetlabs.com/puppet7-release-xenial.deb
    sudo dpkg -i puppet7-release-xenial.deb
    sudo apt-get update
    sudo apt-get install puppet-agent
fi

echo "Is this K8s and need to clean up the lab?"
read yesNo

if [ $yesNo = 'y' -o $yesNo = 'Y' ]
then
    #--
    #FOR k8s issues
    #---
    sudo apt-get update --fix-missing
    sudo apt-get remove puppet-agent puppet-master puppet puppetserver puppet-agent
    sudo apt --fix-broken install
    sudo apt clean
    sudo rm -rf /tmp/*
    sudo apt-get install puppet-agent
fi

echo "Do you want to edit the puppet.conf file?"
read yesNo

if [ $yesNo = 'y' -o $yesNo = 'Y' ]
then
    sudo -- sh -c "echo '[main]\nserver = puppetserver.ec2.internal' >> /etc/puppetlab
s/puppet/puppet.conf"
fi

echo "Do you want to restart puppet agent?"
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read yesNo

if [ $yesNo = 'y' -o $yesNo = 'Y' ]
then
    sudo systemctl start puppet
    sudo systemctl enable puppet
    sudo systemctl status puppet
    sudo systemctl restart puppet
fi

echo "Do you want to wipe out previous client cert and recreate? (y/n)"
read certFlg

if [ $certFlg = 'y' -o $certFlg = 'Y' ]
then
    echo "Setting up puppet agent cert...\n"

    echo "If cert exists on server, do this as root: "
    echo "puppetserver ca clean --certname client1.ec2.internal"
    echo "Hit <enter> to continue."
    read blank
    cd /etc/puppetlabs/puppet/ssl/
    sudo rm -rf *
    sudo systemctl stop puppet
    sudo systemctl restart puppet
fi

echo "Do you want to force the agent to pull from server? (y/n) Do this as root."
read certFlg

if [ $certFlg = 'y' -o $certFlg = 'Y' ]
then
    echo "In order to force agent pull, switch to root and run this: "
    echo "sudo -i"
    echo "/opt/puppetlabs/bin/puppet agent -t"
fi

echo "\n\nGo back to the *server* and look for requested certs. If present, sign the
certs as *root*:"

#echo "puppetserver ca sign --certname $clientHostName.us-west-2.compute.internal"
echo "puppetserver ca sign --certname $clientHostName.ec2.internal"

exit 0
```