11.1.0.250 - CHEF

11.1.0.249 - Swift

11.1.0.248 - APT Repo

11.1.0.247 - chef workstation

Confirm Images needed for volume build are available

Build volumes

create devops container in swift under admin tenant

from ubuntu jump - swift post -r '.r:\*' devops

setup route to access VMs on infra nodes

Build Server group for DCs

Need new domain name

update scripts/install\_domain\_controller.ps1 script to accomadate new domain

x out all instances in yaml except primary domain controller

assign static Ips for chef server, apt-get repo

**Build domain controller**

**Set external time source on PDC**

**Automate setting domain controller to an external time source**

Issue the following commands: reference link: <http://jackstromberg.com/2013/10/configuring-external-time-source-on-your-primary-domain-controller/>

On primary dc:

**w32tm.exe /config /manualpeerlist:”0.us.pool.ntp.org 1.us.pool.ntp.org 2.us.pool.ntp.org 3.us.pool.ntp.org” /syncfromflags:manual /reliable:YES /update**

**w32tm.exe /config /update**

**Restart-Service w32time**

On all secondary dc’s:

**w32tm /config /syncfromflags:domhier /update**

**Restart-Service w32time**

**Confirm Domain Adminstrator account is set to password never expires**

**Set up DNS conditional forwarders**

**Automate adding of infrastructure users to the domain**

New-ADUser -SamAccountName hamid.maddi -Name "Greg Smith" -UserPrincipalName [greg.smith@oncaas.com](mailto:greg.smith@oncaas.com) -AccountPassword (ConvertTo-SecureString -AsPlainText "Interactive2014" -Force) -Enabled $true -PasswordNeverExpires $true -Path 'CN=Users,DC=oncaas,DC=com’

New-ADUser -SamAccountName ryan.mcadams -Name "Ryan McAdams" -UserPrincipalName [ryan.mcadams@oncaas.com](mailto:ryan.mcadams@oncaas.com) -AccountPassword (ConvertTo-SecureString -AsPlainText "Interactive2014" -Force) -Enabled $true -PasswordNeverExpires $true -Path 'CN=Users,DC=oncaas,DC=com’

New-ADUser -SamAccountName rodney.poling -Name "Rodney Poling" -UserPrincipalName [rodney.poling@oncaas.com](mailto:rodney.poling@oncaas.com) -AccountPassword (ConvertTo-SecureString -AsPlainText "Interactive2014" -Force) -Enabled $true -PasswordNeverExpires $true -Path 'CN=Users,DC=oncaas,DC=com’

New-ADUser -SamAccountName cust\_icadmin -Name "Customer ICAdmin" -UserPrincipalName Customer ICAdmin -AccountPassword (ConvertTo-SecureString -AsPlainText "Interactive2014" -Force) -Enabled $true -PasswordNeverExpires $true -Path 'CN=Users,DC=oncaas,DC=com’

Add-ADGroupMember -Identity 'Domain Admins' -Member ryan.mcadams, rodney.poling

**Automate disabling the firewall via GPO**

**Automate adding Linux servers to Windows DNS**

**Add chef, swift and proxy server into DNS:**

*Add-DnsServerResourceRecordA -Name "chef" -ZoneName "oncaas.com" -AllowUpdateAny -IPv4Address "62.193.13.88"*

*Add-DnsServerResourceRecordA -Name "swift" -ZoneName "oncaas.com" -AllowUpdateAny -IPv4Address "62.193.13.87"*

**Build chef server**

* updated script to use metadata to grab domain
* download chef starter kit – (chef-starter.zip)
* upload chef-start.zip to swift devops
* created environment called prod
* created 2 roles, linux\_server, windows\_server

**Build swift proxy**

* get api endpoint for swift (Object Store) from admin tenant

horizon or from command line keystone endpoint-get --service object-store

* create swift.conf file in vds/<env>/management/ dir

Run these commands on the PDC

**Add-DnsServerResourceRecordA -Name "mgmt-lchfp01" -ZoneName "oncaas.inin.local" -AllowUpdateAny -IPv4Address "11.1.0.250"**

**Add-DnsServerResourceRecordA -Name "swift" -ZoneName "oncaas.inin.local" -AllowUpdateAny -IPv4Address "11.1.0.249"**

* test access to swift from PDC, from browser - <http://swift/devops> should return list of files in swift.

**Build chef workstation**

* modified script to use metadata to grab domain name
* copied cert from server for node builds

/home/ubuntu/chef-repo/.chef/trusted\_certs/mgmt-lchfp01\_oncaas\_inin\_local.crt

* copied caas-validator.pem from server for node builds

/home/ubuntu/chef-repo/.chef/caas-validator.pem

Prep zip files for chef nodes

* on jump server see c:\chef\_files for details below
* 2 zip files chef\_files\_linux.zip and chef\_files\_windows.zip
* each file contains:

trusted\_certs folder where cert from above is copied

client.rb – had to change chef\_server\_url to point to new server

first-boot.json – puts servers in a default env / role

validation.pem – renamed caas-validator.pem copied above

* Uploaded both zip files to swift

Build backup DC

* upload install\_redundant\_domain\_controller\_part2.ps1, dcbootscript to swift

Apt-repo and backup domain controller still need to be built