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"*

Note – For DC’s in 2nd environment of a pair:

disable IPv6 and 6to4 adapters on the two DCs in IND and the local DCs @DEN

add connection specific DNS suffix to the NIC (oncaas.inin.local) as soon as this is done

created AD Sites and Site Links for IND and DEN. This is necessary since we now have two physically separate sites with a WAN connection.

DSRM password set to “Interactive2014”

cleaned pu the IPv6 addresses for the DCs

DNS replication fixed - it was due to that not all DCs were listed as Name Servers for "oncaas.inin.local". once the two DEN DCs were added as name servers, they got updates immediately from AD

**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