Guide to setting up Azure Exchange TestLab to send/receive email with custom domain and journaling

13 April 2018 09:53

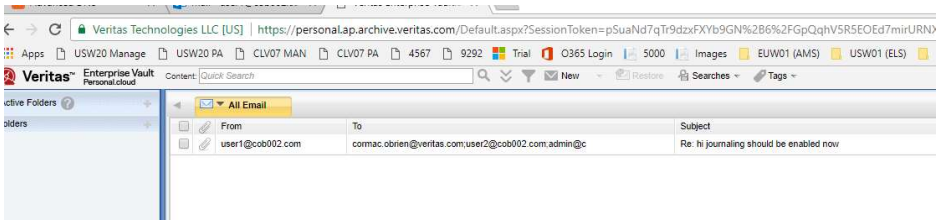
Goal

The goal is to set up a customer simulation environment with an on-premise installation of Exchange Server. This will be set up on Azure VMs which can be used with the free credit that comes from an MSDN subscription. We will set up external email flow to and from the environment, including Outlook Web Access for email secured with an SSL cert. This simulation environment can then be configured in EV.cloud, using CloudLink to synchronize accounts and with journaling and PA working.

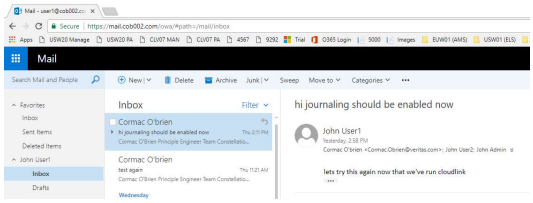
Setting up external email flow requires ownership of a domain and the ability to configure DNS records. An SSL cert is also required. We used www.namecheap.com to obtain these for a total cost of around 10 euro.

Result

External mail flow to and from an exchange server hosted at cob002. Set up in EV.cloud on AUE01 environment using CloudLink to sync accounts. Journaling enabled and emails showing up in the user's PA mailbox.



OWA access to mailbox via custom domain via https



Build Azure Environment

We will follow the steps outlined in this guide https://docs.microsoft.com/en-us/office365/enterprise/base-configuration-dev-test-environment

We won't be setting up a hybrid Office 365 environment so we can omit steps related to this. app1 server and setup of file shares is also omitted. It can be useful to have a client1 VM also with Outlook installed so this is included, however OWA provides more convenient access to email once it is activated.

First set up azure powershell

Use the Cloud Shell to run the Azure PowerShell in your browser, or install it on own computer.

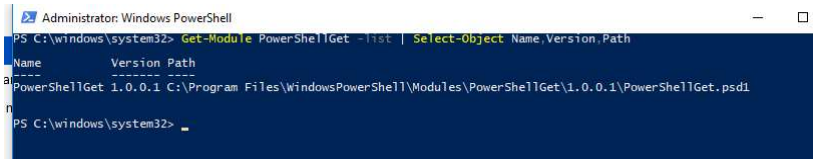
From <https://docs.microsoft.com/en-gb/powershell/azure/overview?view=azurermps-5.2.0>

Install and configure Azure PowerShell

From <https://docs.microsoft.com/en-gb/powershell/azure/install-azurerm-ps?view=azurermps-5.2.0>

Run this to verify Psget is in place

```
Get-Module PowerShellGet -list | Select-Object Name,Version,Path
```



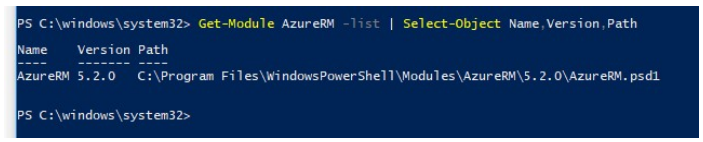
then

```
Install-Module AzureRM -AllowClobber
```

```
Import-Module AzureRM
```

You can confirm the module is loaded with

```
Get-Module AzureRM -list | Select-Object Name,Version,Path
```



Then login with your Azure credentials

with
Cormac.Obrien@veritas.com

```
Login-AzureRmAccount
```

returns

```
Account        : Cormac.Obrien@veritas.com
SubscriptionName : Visual Studio Enterprise
SubscriptionId   : 1a94abe3-08a7-43cf-8581-018acce54e5b
TenantId       : fc8e13c0-422c-4c55-b3ea-ca318e6cac32
Environment    : AzureCloud
```

Start creating the environment - Phase 1: Create the virtual network

Find SubscriptionId

```
Get-AzureRMSubscription | Sort Name | Select Name, Id
```

If you only have one just select it with this

```
Get-AzureRMSubscription | Select-AzureRmSubscription
```

Note that we encountered issues when using North Europe as the Azure location. Believe this is because the Azure account from MSDN is a trial subscription with certain restrictions. After switching to using the West Europe datacentre we were able to continue.

Create resource group (substitue cob002 for your resrouce group name)

```
$rgName="cob002"
$locName="West Europe"
New-AzureRMResourceGroup -Name $rgName -Location $locName
Get-AzureRmResourceGroup
```

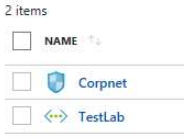
```
PS C:\windows\system32> Get-AzureRmResourceGroup


ResourceGroupName : cob002
Location          : westeurope
ProvisioningState : Succeeded
Tags              :
ResourceId        : /subscriptions/1a94abe3-08a7-43cf-8581-018acce54e5b/resourceGroups/cob002
```

Create virtual network

Just copy the script from here
https://docs.microsoft.com/en-us/office365/enterprise/base-configuration-dev-test-environment

```
# Virtual Network
$corpnetSubnet = New-AzureRMVirtualNetworkSubnetConfig -Name Corpnet -AddressPrefix 10.0.0.0/24
New-AzureRMVirtualNetwork -Name TestLab -ResourceGroupName $rgName -Location $locName -AddressPrefix 10.0.0.0/8 -Subnet $corpnetSubnet -DNSServer 10.0.0.4
$rule1 = New-AzureRMNetworkSecurityRuleConfig -Name "AllowRdpInBound" -Description "Allow RDP to all VMs on the subnet" -Access Allow -Protocol Tcp -Direction Inbound -Priority 100 -SourceAddressPrefix Internet -SourcePortRange
* -DestinationAddressPrefix * -DestinationPortRange 3389
$rule2 = New-AzureRMNetworkSecurityRuleConfig -Name "AllowWinRMInBound" -Description "Allow powershell remoting" -Access Allow -Protocol Tcp -Direction Inbound -Priority 1100 -SourceAddressPrefix Internet -SourcePortRange * -
DestinationAddressPrefix * -DestinationPortRange 5986
New-AzureRMNetworkSecurityGroup -Name Corpnet -ResourceGroupName $rgName -Location $locName -SecurityRules $rule1, $rule2
$vnet = Get-AzureRMVirtualNetwork -ResourceGroupName $rgName -Name TestLab
$nsg = Get-AzureRMNetworkSecurityGroup -Name Corpnet -ResourceGroupName $rgName
Set-AzureRMVirtualNetworkSubnetConfig -VirtualNetwork $vnet -Name Corpnet -AddressPrefix "10.0.0.0/24" -NetworkSecurityGroup $nsg
```

Go to https://portal.azure.com/ and verify that everything is created…



Phase 2: Configure DC1

The VM admin account username and password will be:

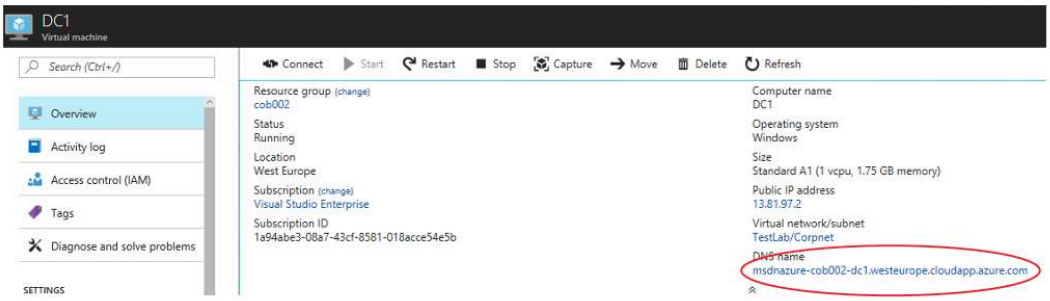
veritasadmin
W3lcome!W3lcome!

```
# Create Virtual Machine
$pip = New-AzureRMPublicIpAddress -Name DC1-PIP -ResourceGroupName $rgName -Location $locName -AllocationMethod Dynamic
$nic = New-AzureRMNetworkInterface -Name DC1-NIC -ResourceGroupName $rgName -Location $locName -SubnetId $vnet.Subnets[0].Id -PublicIpAddressId $pip.Id -PrivateIpAddress 10.0.0.4
$vm = New-AzureRMVMConfig -VMName DC1 -VMSize Standard_A1

$username = "veritasadmin"
$password = ConvertTo-SecureString "W3lcome!W3lcome!" -AsPlainText -Force
$cred = New-Object System.Management.Automation.PSCredential $username, $password

$vm = Set-AzureRMVMOperatingSystem -VM $vm -Windows -ComputerName DC1 -Credential $cred -ProvisionVMAgent -EnableAutoUpdate
$vm = Set-AzureRMVMSourceImage -VM $vm -PublisherName MicrosoftWindowsServer -Offer WindowsServer -Skus 2016-Datacenter -Version "latest"
$vm = Add-AzureRMVMNetworkInterface -VM $vm -Id $nic.Id
$vm = Set-AzureRmVMOSDisk -VM $vm -Name "DC1-OS" -DiskSizeInGB 128 -CreateOption FromImage -StorageAccountType "StandardLRS"
$diskConfig = New-AzureRmDiskConfig -AccountType "StandardLRS" -Location $locName -CreateOption Empty -DiskSizeGB 20
$dataDisk1 = New-AzureRmDisk -DiskName "DC1-DataDisk1" -Disk $diskConfig -ResourceGroupName $rgName
$vm = Add-AzureRmVMDataDisk -VM $vm -Name "DC1-DataDisk1" -CreateOption Attach -ManagedDiskId $dataDisk1.Id -Lun 1
New-AzureRMVM -ResourceGroupName $rgName -Location $locName -VM $vm
```

Set a DNS name for the server

In this case it is

msdnazure-cob002-dc1.westeurope.cloudapp.azure.com



RDP to the server

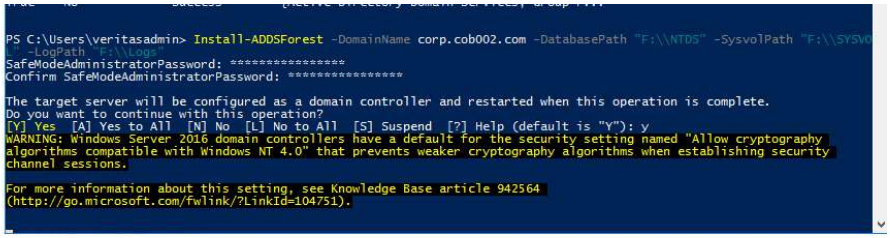
Use the DNS name as it will be constant
Log in with veritasadmin account

Create disk and activate DC1 as domain controller

from dc1 run the following

Note the use of corp.cob002.com as the AD domain name, this should be changed to match the purchased domain name.

```
Get-Disk | Where PartitionStyle -eq "RAW" | Initialize-Disk -PartitionStyle MBR -PassThru | New-Partition -AssignDriveLetter -UseMaximumSize | Format-Volume -FileSystem NTFS -NewFileSystemLabel "WSAD Data"

Install-WindowsFeature AD-Domain-Services -IncludeManagementTools

Install-ADDSForest -DomainName corp.cob002.com -DatabasePath "F:\\NTDS" -SysvolPath "F:\\SYSVOL" -LogPath "F:\\Logs"
```



Log out and connect again to DC1 using domain credentials

change credentials to be now

corp.cob002.com\veritasadmin
W3lcome!W3lcome!

and log back in

Set up Exchange server

combining the steps from:

Exchange 2016 dev/test environment in Azure

From <https://technet.microsoft.com/en-us/library/mt733070%28v=exchg.160%29.aspx?f=255&MSPPError=-2147217396>

we already have domain controller DC1 and vnet and nsg

only thing that is missing is RSAT-ADDS-Tools, so log into DC1 and run the following

```
Add-WindowsFeature RSAT-ADDS-Tools
```

Phase 2: Create the Exchange 2016 virtual machine

Run the script to create the exc1 machine, configuring the variables to match your environment

```
# Set up key variables
$subscrName="<name of your Azure subscription>"
$rgName="<your resource group name>"
$vmDNSName="<unique, public DNS name for the Exchange server>"

# Set the Azure subscription
Get-AzureRmSubscription -SubscriptionName $subscrName | Select-AzureRmSubscription

# Get the Azure location and storage account names
$locName=(Get-AzureRmResourceGroup -Name $rgName).Location
$saName=(Get-AzureRMStorageaccount | Where {$_.ResourceGroupName -eq $rgName}).StorageAccountName

# Create an availability set for Exchange virtual machines
```

```
New-AzureRMAvailabilitySet -Name exAvailabilitySet -ResourceGroupName $rgName -Location $locName

# Specify the virtual machine name and size
$vmName="exVM"
$vmSize="Standard_D3_v2"
$vnet=Get-AzureRMVirtualNetwork -Name "EX2016Vnet" -ResourceGroupName $rgName
$avSet=Get-AzureRMAvailabilitySet -Name exAvailabilitySet -ResourceGroupName $rgName
$vm=New-AzureRMVMConfig -VMName $vmName -VMSize $vmSize -AvailabilitySetId $avSet.Id

# Create the NIC for the virtual machine
$nicName=$vmName + "-NIC"
$pipName=$vmName + "-PublicIP"
$pip=New-AzureRMPublicIpAddress -Name $pipName -ResourceGroupName $rgName -DomainNameLabel $vmDNSName -Location $locName -AllocationMethod Dynamic
$nic=New-AzureRMNetworkInterface -Name $nicName -ResourceGroupName $rgName -Location $locName -SubnetId $vnet.Subnets[0].Id -PublicIpAddressId $pip.Id -PrivateIpAddress "10.0.0.5"

# Specify the image and local administrator account, and then add the NIC
$cred=Get-Credential -Message "Type the name and password of the local administrator account for exVM."
$vm=Set-AzureRMVMOperatingSystem -VM $vm -Windows -ComputerName $vmName -Credential $cred -ProvisionVMAgent -EnableAutoUpdate
$vm=Set-AzureRMVMSourceImage -VM $vm -PublisherName MicrosoftWindowsServer -Offer WindowsServer -Skus 2012-R2-Datacenter -Version "latest"
$vm=Add-AzureRMVMNetworkInterface -VM $vm -Id $nic.Id

# Specify the OS disk name and create the VM
$diskName="OSDisk"
$storageAcc=Get-AzureRMStorageAccount -ResourceGroupName $rgName -Name $saName
$osDiskUri=$storageAcc.PrimaryEndpoints.Blob.ToString() + "vhds/" + $vmName + $diskName  + ".vhd"
$vm=Set-AzureRMVMOSDisk -VM $vm -Name $diskName -VhdUri $osDiskUri -CreateOption fromImage
New-AzureRMVM -ResourceGroupName $rgName -Location $locName -VM $vm
```

Log onto EXC1 and connect to domain

```
$username = "corp.cob002.com\admin"
$password = ConvertTo-SecureString "W3lcome!W3lcome!" -AsPlainText -Force
$cred = New-Object System.Management.Automation.PSCredential $username, $password

Add-Computer -DomainName corp.cob002.com -Credential $cred
Restart-Computer
```

Get the FQDN

```
Write-Host (Get-AzureRMPublicIpaddress -Name "exc1-PublicIP" -ResourceGroup $rgName).DnsSettings.Fqdn
```

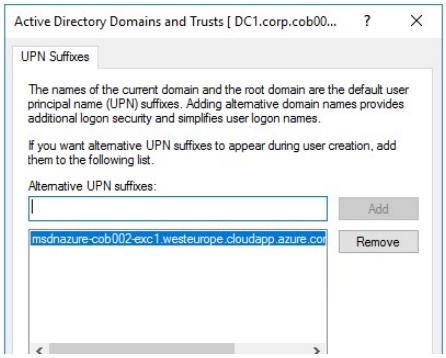
gives fqdn of

msdnazure-cob002-exc1.westeurope.cloudapp.azure.com

Connect to the dc1 VM and execute the following

1. From the Start screen of adVM, type **Active Directory**, and then click **Active Directory Domains and Trusts**.
2. Right-click **Active Directory Domains and Trusts**, and then click **Properties**.
3. In **Alternative UPN suffixes**, type or copy the Internet DNS name of the exVM virtual machine from step 2, click **Add**, and then click **OK**.
4. Close the remote desktop session with adVM.

From <https://technet.microsoft.com/en-us/library/mt733070%28v=exchg.160%29.aspx?f=255&MSPPError=-2147217396>



Install Exchange 2016

connect to exc1 as veritasadmin

install the following features from an admin powershell prompt and restart

```
Install-WindowsFeature AS-HTTP-Activation, Desktop-Experience, NET-Framework-45-Features, RPC-over-HTTP-proxy, RSAT-Clustering, RSAT-Clustering-CmdInterface, RSAT-Clustering-Mgmt, RSAT-Clustering-PowerShell, Web-Mgmt-Console,
WAS-Process-Model, Web-Asp-Net45, Web-Basic-Auth, Web-Client-Auth, Web-Digest-Auth, Web-Dir-Browsing, Web-Dyn-Compression, Web-Http-Errors, Web-Http-Logging, Web-Http-Redirect, Web-Http-Tracing, Web-ISAPI-Ext, Web-ISAPI-Filter,
Web-Lgcy-Mgmt-Console, Web-Metabase, Web-Mgmt-Console, Web-Mgmt-Service, Web-Net-Ext45, Web-Request-Monitor, Web-Server, Web-Stat-Compression, Web-Static-Content, Web-Windows-Auth, Web-WMI, Windows-Identity-Foundation, RSAT-ADDS-
Tools
Restart-Computer
```

Then download and install Unified Communications Managed API 4.0 Runtime

download from https://www.microsoft.com/download/details.aspx?id=34992

Download and install Exchange 2016 with latest updates

must log in as domain admin
cob002\admin

Note the organization name changed to **cob002**

download from https://technet.microsoft.com/en-us/library/jj907309(v=exchg.160).aspx

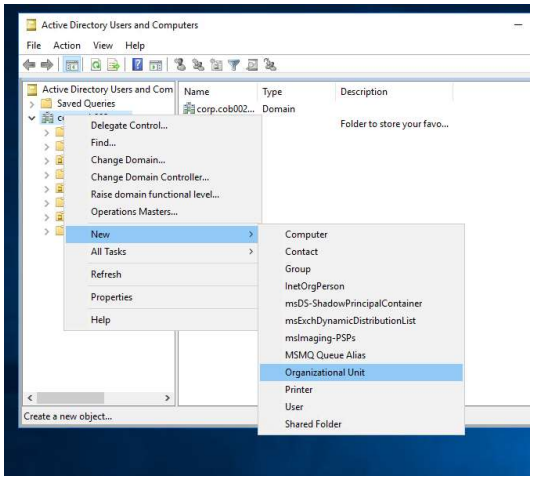
5. Click **Save** to store the ISO file in the Downloads folder.
6. Click **Open Folder**, right-click the Exchange ISO file, and then click **Mount**.
7. From an administrator-level Windows PowerShell command prompt on exVM, run the following:
   e:
   .\setup.exe /mode:Install /role:Mailbox /OrganizationName:**cob002** /IacceptExchangeServerLicenseTerms
   Restart-Computer
   Wait until Exchange setup completes, which can take some time, and exVM restarts.

From <https://technet.microsoft.com/en-us/library/mt733070%28v=exchg.160%29.aspx?f=255&MSPPError=-2147217396>

Add two mailboxes to the Exchange server

Create users and mailboxes through Exchange, this easily allows you to add them to an OU of "Mail Users", this is very handy for configuring CloudLink later.

Log into dc1 and use Active Directory Users and Computers to create a new OU named "Mail Users"



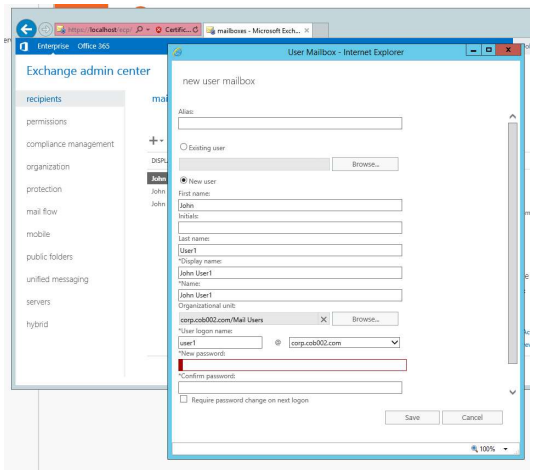
Log into exc1 and open exchange admin center

https://localhost/ecp/

Log in with:

corp.cob002.com\admin
W3lcome!W3lcome!

Create two mailboxes for user1 and user2 in the OU created above like the following



Use OWA to log in as each user and verify mail is flowing internally between mailboxes
https://localhost/owa

Create CLIENT1

changed VMSize to Standard_A2_v2 as the other is too small

```
# Create CLIENT1 Virtual Machine
$vnet = Get-AzureRMVirtualNetwork -Name TestLab -ResourceGroupName $rgName
$pip = New-AzureRMPublicIpAddress -Name CLIENT1-PIP -ResourceGroupName $rgName -Location $locName -AllocationMethod Dynamic
$nic = New-AzureRMNetworkInterface -Name CLIENT1-NIC -ResourceGroupName $rgName -Location $locName -SubnetId $vnet.Subnets[0].Id -PublicIpAddressId $pip.Id
$vm = New-AzureRMVMConfig -VMName CLIENT1 -VMSize Standard_A2
$vm = Set-AzureRMVMOperatingSystem -VM $vm -Windows -ComputerName CLIENT1 -Credential $cred -ProvisionVMAgent -EnableAutoUpdate
$vm = Set-AzureRMVMSourceImage -VM $vm -PublisherName MicrosoftWindowsServer -Offer WindowsServer -Skus 2016-Datacenter -Version "latest"
$vm = Add-AzureRMVMNetworkInterface -VM $vm -Id $nic.Id
$vm = Set-AzureRMVMOSDisk -VM $vm -Name "CLIENT1-OS" -DiskSizeInGB 128 -CreateOption FromImage -StorageAccountType "StandardLRS"
New-AzureRMVM -ResourceGroupName $rgName -Location $locName -VM $vm
```

Set the DNS name to

msdnazure-cob002-client1.westeurope.cloudapp.azure.com

Join domain

log in as veritasadmin and run

```
$username = "corp.cob002.com\veritasadmin"
$password = ConvertTo-SecureString "W3lcome!W3lcome!" -AsPlainText -Force
$cred = New-Object System.Management.Automation.PSCredential $username, $password

Add-Computer -DomainName corp.cob002.com -Credential $cred
Restart-Computer
```

Log in as user1

corp.cob002.com\user1
W3lcome!W3lcome!

lets install office client onto client1

log in as
cob002\user1

who is
user1@cob002.onmicrosoft.com

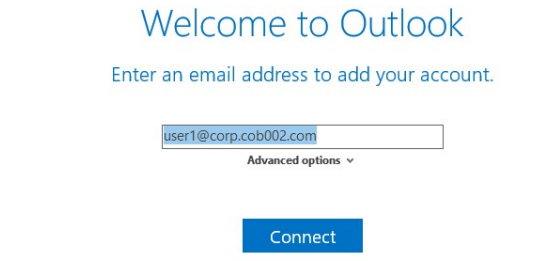
Then can outlook find the mailbox?

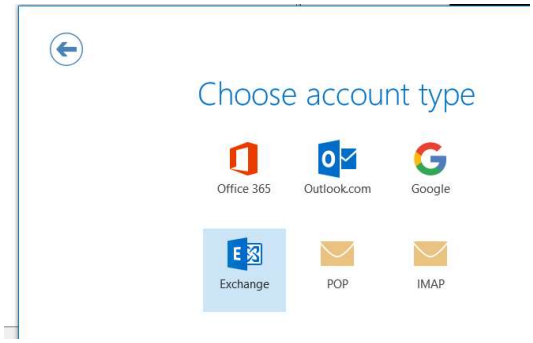
Log into client1 as user1

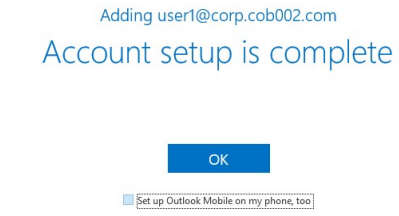
log in as
cob002\user1

who is
user1@cob002.onmicrosoft.com

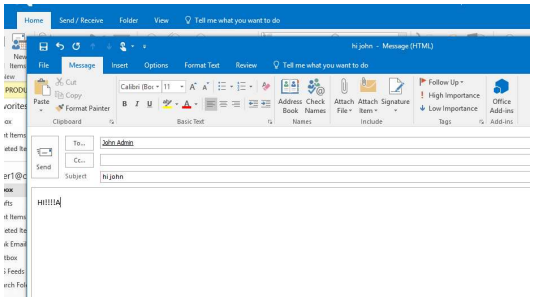
Install office from MSDN subscription and open Outlook







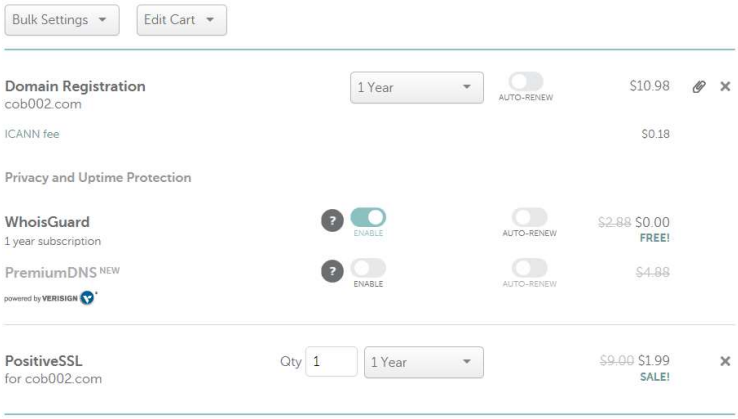
Verify sending emails between user1 and user2



Buy domain and SSL cert for to set up external email flow

Register domain with namecheap including PositiveSSL cert for one domain

later we will activate the ssl cert for mail.cob002.com



Set up mail flow following the steps in

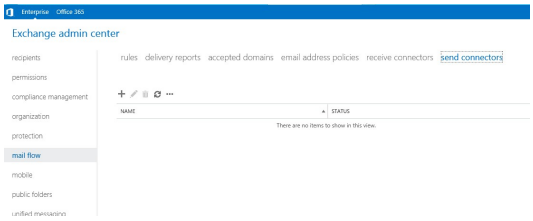
Configure mail flow and client access

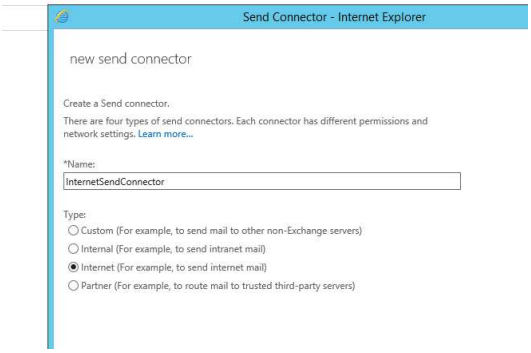
From <https://technet.microsoft.com/en-us/library/jj218640(v=exchg.160).aspx>

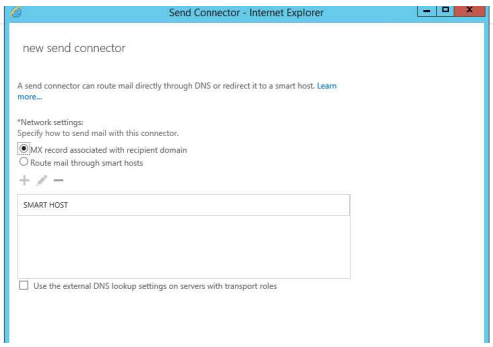
Open the EAC by browsing to the URL of your Mailbox server. For example, https://Ex2016MBX/ECP

https://localhost/ecp/

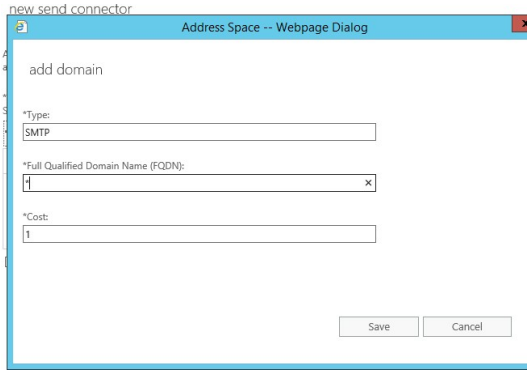
corp.cob002.com\admin
W3lcome!W3lcome!

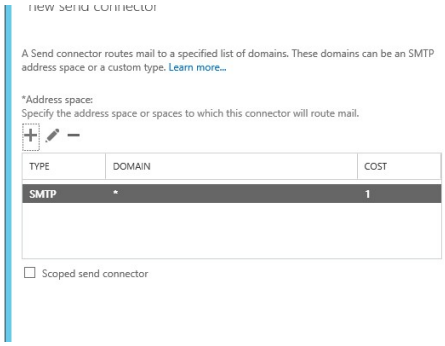


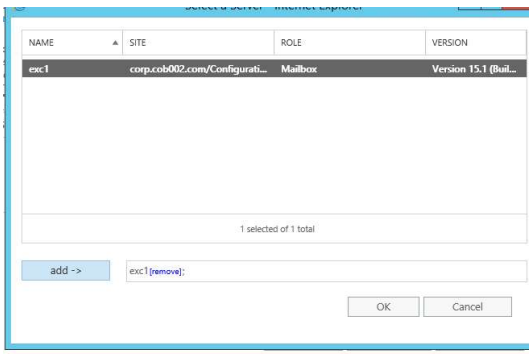


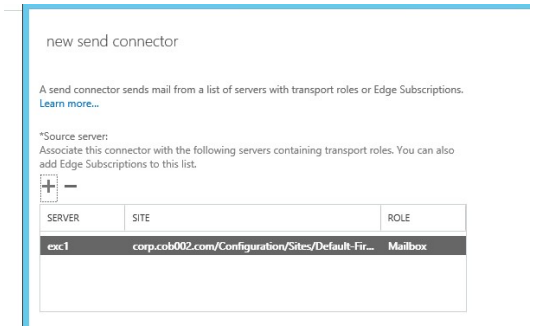


new send connector







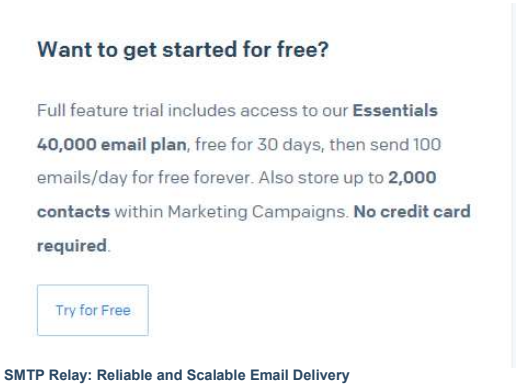


At this point there should be email flowing out, however you will find that on an Azure VM email is not being sent. This is due to restrictions on sending email from Azure VMs see
https://blogs.msdn.microsoft.com/mast/2017/11/15/enhanced-azure-security-for-sending-emails-november-2017-update/

Without a paid plan it is not possible to send outgoing emails.

However there is an option of using SendGrid as a mail relay, a free account can send up to 100 emails/day through this relay and we can configure Exchange to use it.

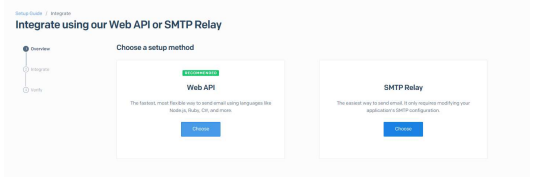
seems we could use a free sendgrid account



SMTP Relay: Reliable and Scalable Email Delivery

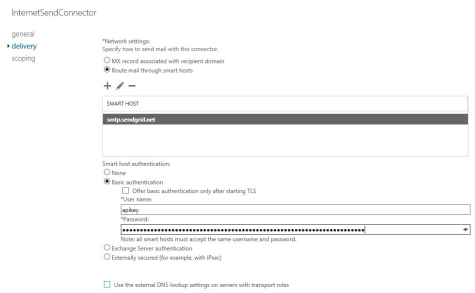
From <https://sendgrid.com/marketing/smtp-relay/?cvosrc=PPC.Google.smtp%20relay&cvo_cid=SendGrid%20-%20UK%20-%20Focus%20Keywords%20(English)&mc=Paid%20Search&mcd=AdWords&keyword=smtp%20relay&network=g&matchtype=p&mobile=&content=&search=1&gclid=Cj0KCQjwkpfWBRDZARIsAAfeXaocMm0blOxZRLN8AEzAbU-kRCJtsW8RWQpHRISyNUZYvL8z8r57fAQaAjbTEALw_wcB>

Sign up for account with SendGrid and get the details for setting up SMTP relay



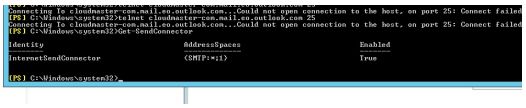
Configured using the instructions here

configured like the following
https://sendgrid.com/docs/Integrate/Mail_Servers/exchange_2010.html



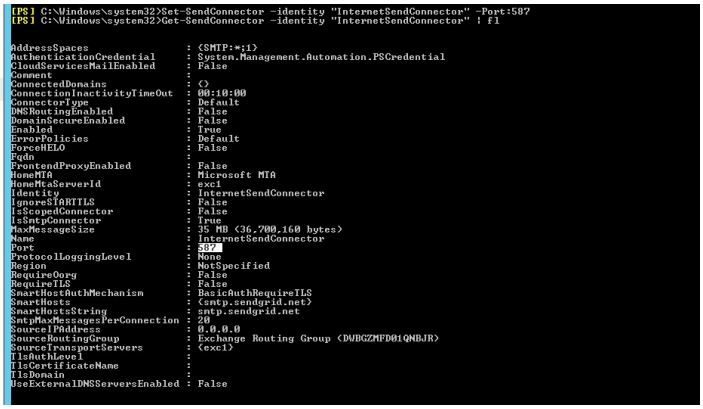
Need to use powershell to change the port number
see
http://www.networkinghowtos.com/howto/change-exchange-smart-host-port-number/

Get-SendConnector



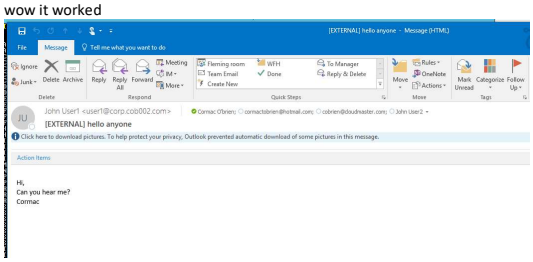
Set-SendConnector -identity "InternetSendConnector" -Port:587

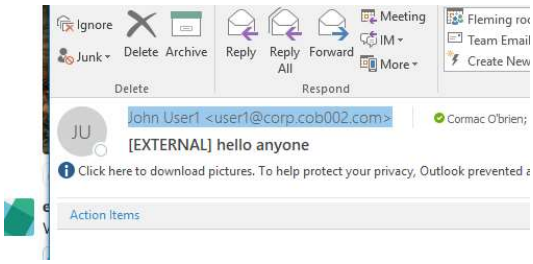
Get-SendConnector -identity "InternetSendConnector" | fl



Now we should have outgoing emails, send an email to veritas.com address to confirm

wow it worked



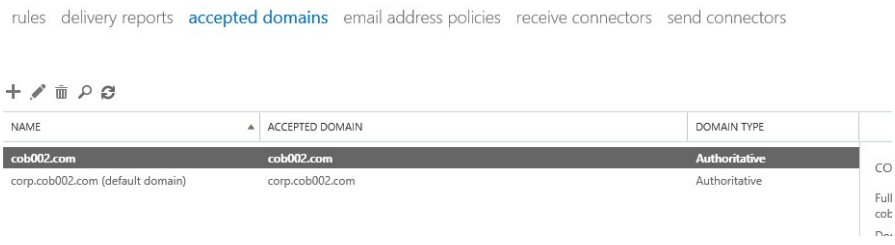


Now get incoming mail to work

back to here
https://technet.microsoft.com/en-us/library/jj218640(v=exchg.160).aspx

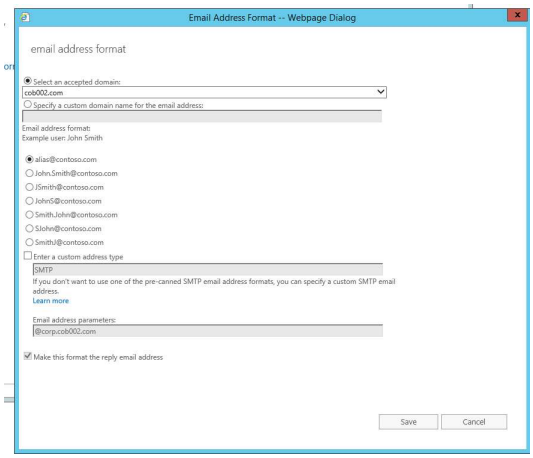
By default, when you deploy a new Exchange 2016 organization in an Active Directory forest, Exchange uses the domain name of the Active Directory domain where Setup /PrepareAD was run. If you want recipients to receive and send messages to and from another domain, you must add the domain as an accepted domain. This domain is also added as the primary SMTP address on the default email address policy in the next step.

let's try to get a more usual scenario of mail arriving from user1@cob002.com

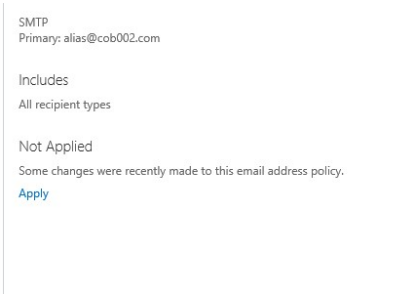


now set the default policy

try this configuration

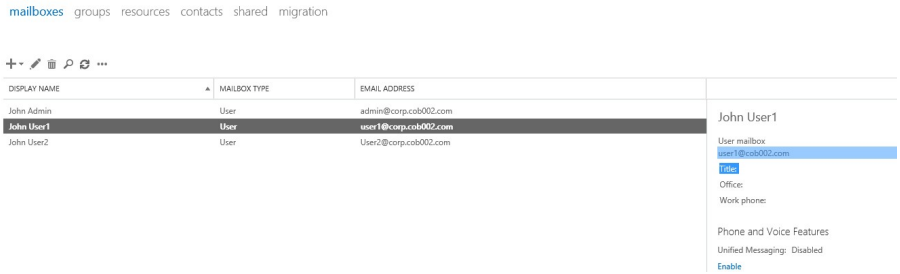


and apply

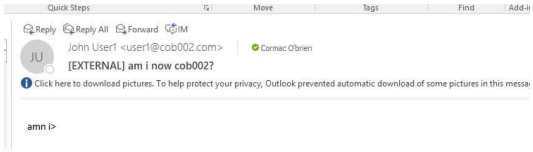


Verify the change

looks good



now send an email again and verify it has arrived from cob002.com

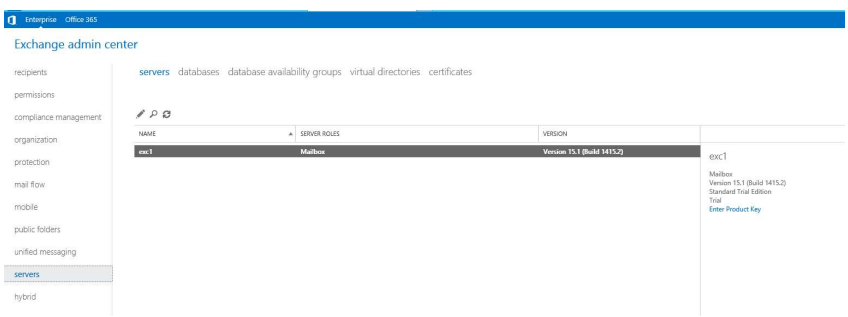


Step 4: Configure external URLs

again see https://technet.microsoft.com/en-us/library/jj218640(v=exchg.160).aspx

https://localhost/ECP

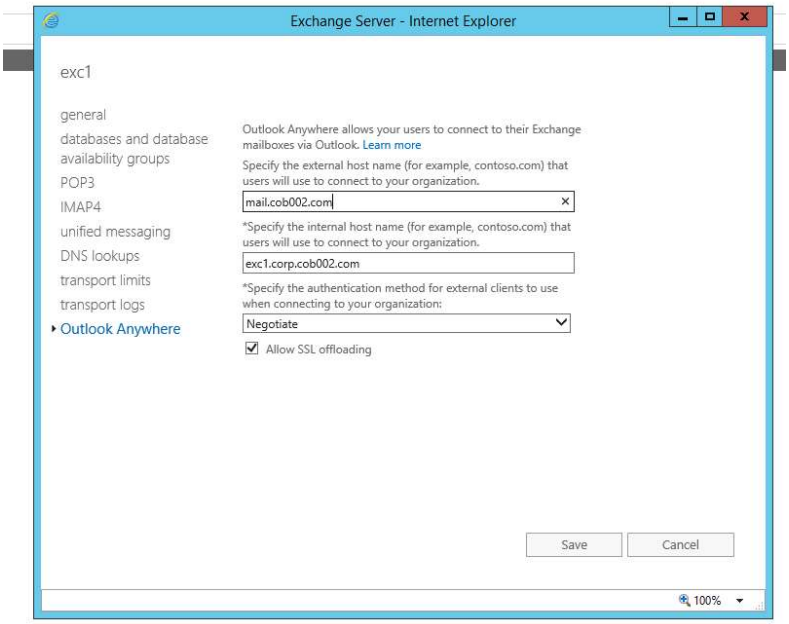
corp.cob002.com\admin
W3lcome!W3lcome!

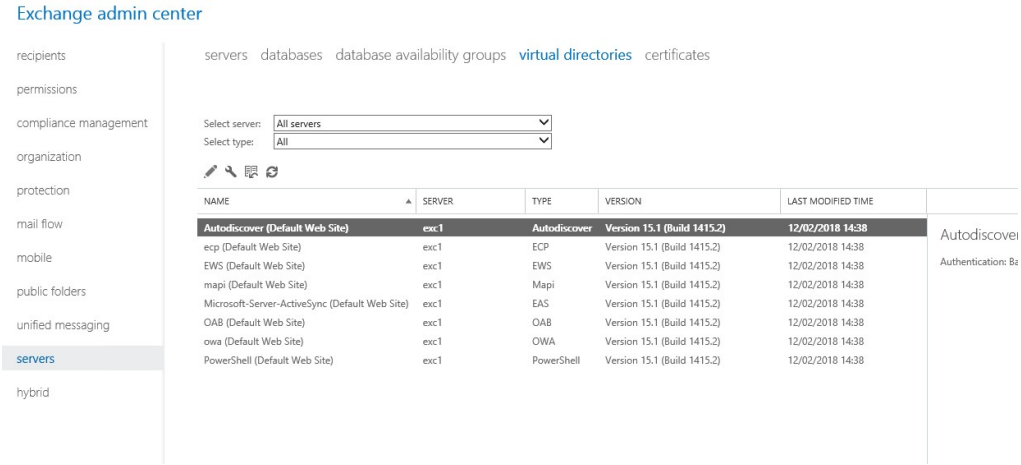


set the following values

external host name
mail.cob002.com

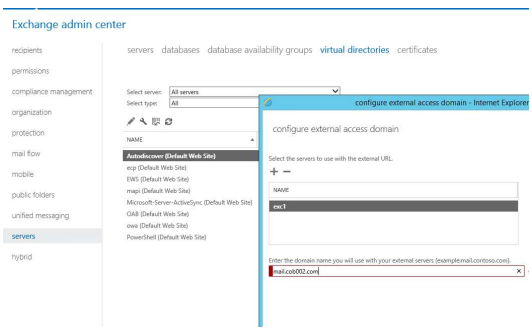
internal host name
exc1.corp.cob002.com





you click the spanner

use domain mail.cob002.com



you implmenet external domain once and it appears to get applied to all, see details in right panel

owa (Default Web Site)

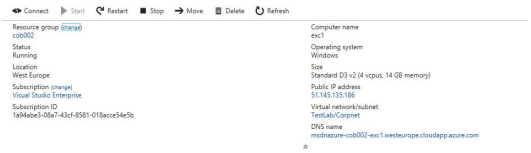
Website: Default Web Site
Authentication: Basic, FBA
Outlook Web App version: Exchange2013
External URL: https://mail.cob002.com/owa

we are not going to follow the step of setting a unique fqdn for owa

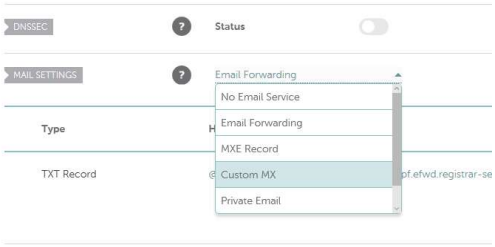
so owa url will remain
https://mail.cob002.com/owa

next set up DNS

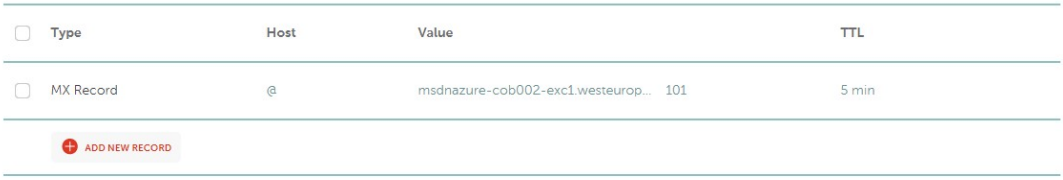
Use Azure portal to get the FQDN and IP Address of the exc1 server



Go to namecheap, enable custom MX



set MX record to the exc1 FQDN



add an A record for mail to point at the IP address, and a CNAME record for autodiscover

result should be

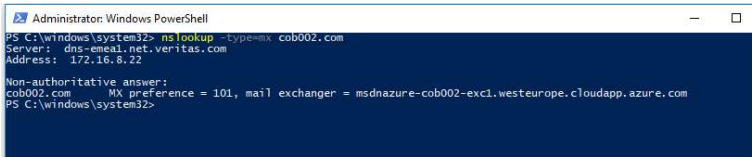
Verify DNS

after record we should be able to access (ignore the SSL error)

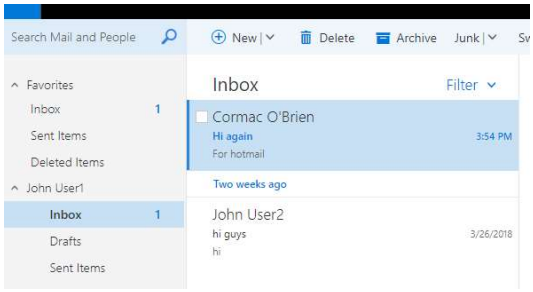
https://mail.cob002.com/owa

Also run the following

```
nslookup -type=mx cob002.com
```



now incoming mail should arrive to user1@cob002.com



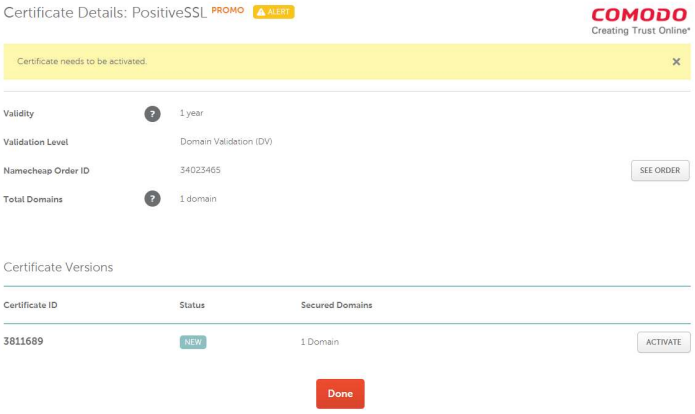
Step 6: Configure an SSL certificate

again see https://technet.microsoft.com/en-us/library/jj218640(v=exchg.160).aspx

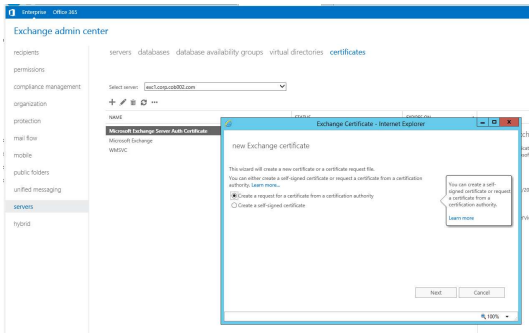
we will look for cert for mail.cob002.com

start activation of cert on namecheap

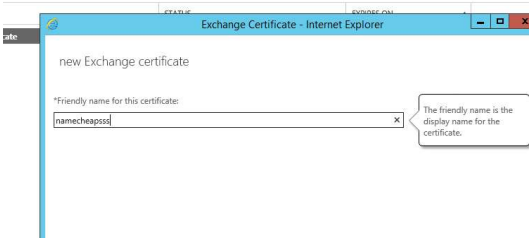
click **Activate**



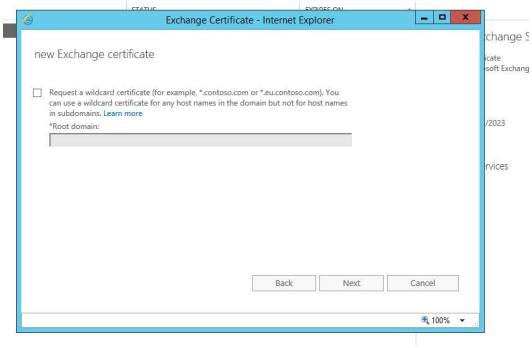
now we need CSR, we get exchange to create this from step 6 in https://technet.microsoft.com/en-us/library/jj218640(v=exchg.160).aspx and https://www.namecheap.com/support/knowledgebase/article.aspx/9745/0/exchange2013eac



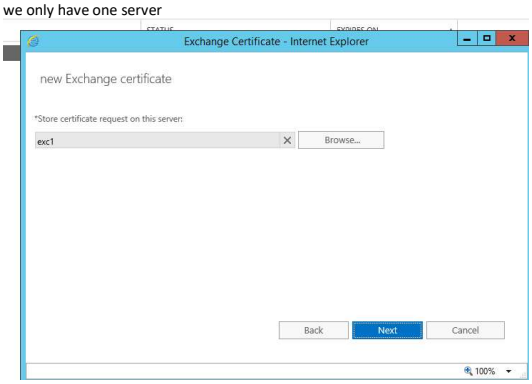
named it namecheapssl



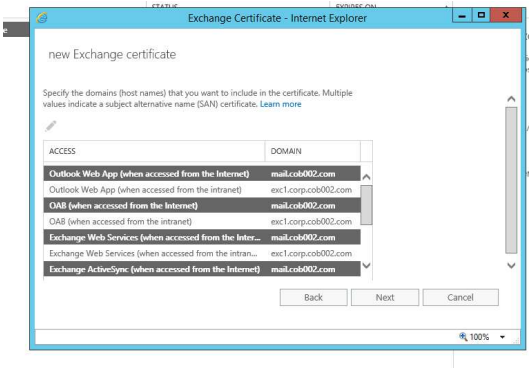
wildcard not supported



we only have one server

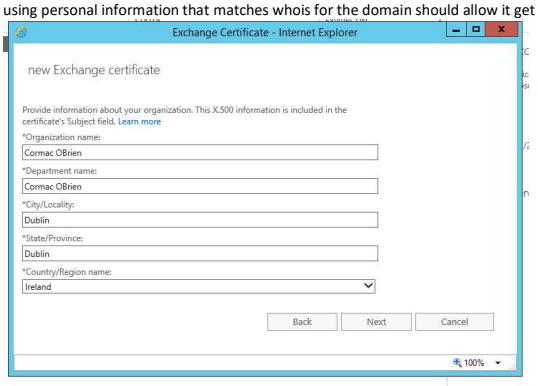


we can only have one domain (mail.cob002.com) think selecting one or all of the services will be the same effect



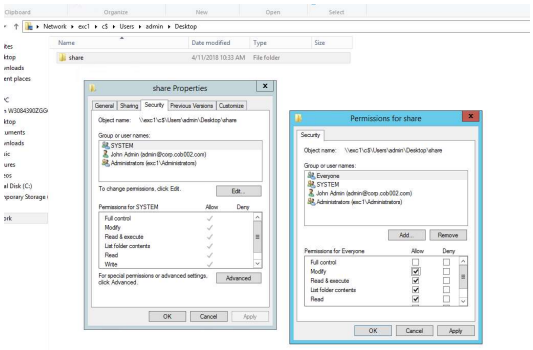
no it added other domains, we need to remove everything from the CSR except for mail.cob002.com

using personal information that matches whois for the domain should allow it get approved, doubt you could use Veritas and expect it to be approved



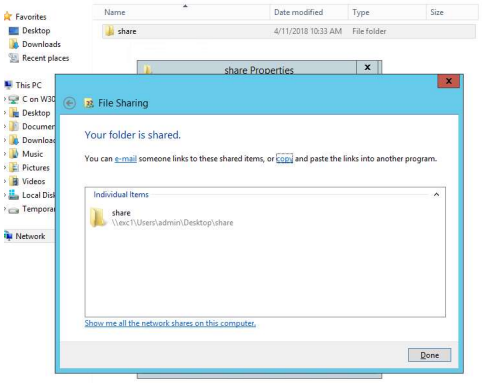
create a share everyone can access can access

create folder on desktop
give everyone acesss



then share

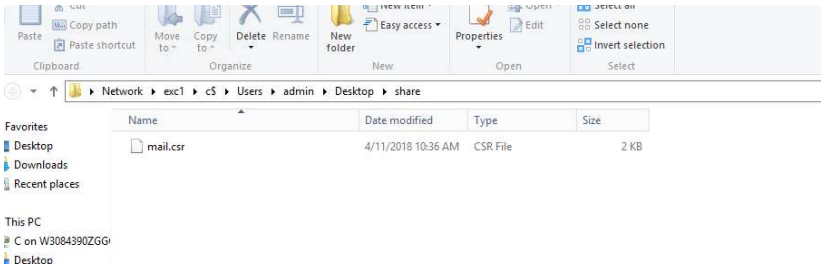
share (file://exc1/Users/admin/Desktop/share)



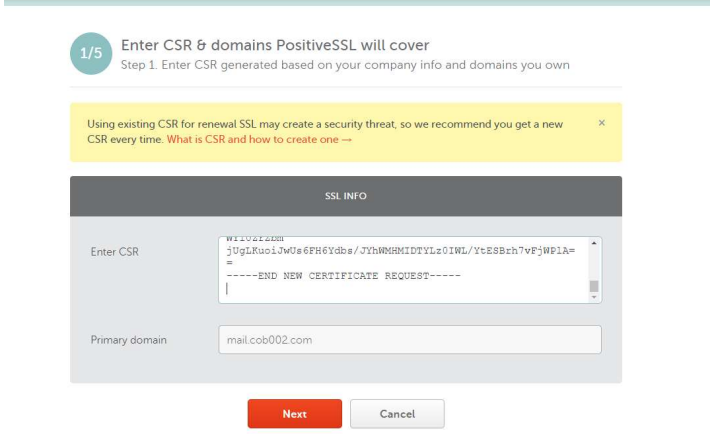
now we can use the following (need the filename)

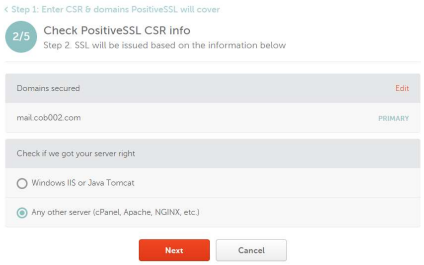
\\exc1\Users\admin\Desktop\share\mail.csr

and it appears

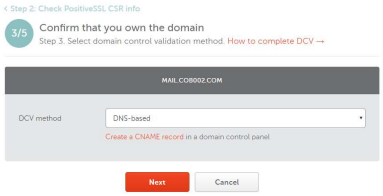


take the CSR and paste into namecheap dialog

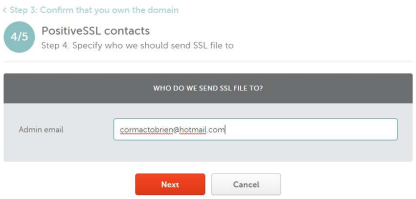




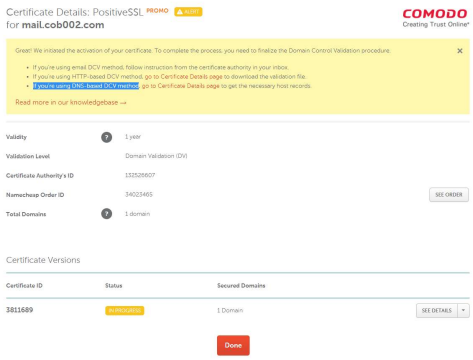
we will use the DNS method



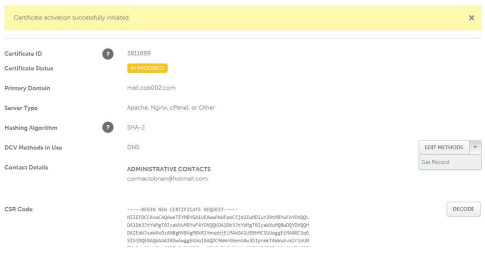
use the email from the domain name application



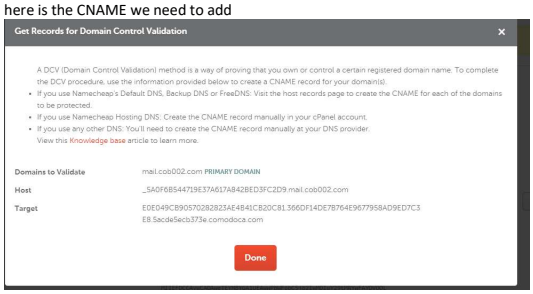
follow step for DNS-based DCV



click **Get Record** (hidden in drop down)



here is the CNAME we need to add



Domains to Validate
mail.cob002.com PRIMARY DOMAIN

Host
_5A0F6B544719E37A617A842BED3FC2D9.mail.cob002.com

Target
E0E049CB90570282823AE4B41CB20C81.366DF14DE7B764E9677958AD9ED7C3E8.5acde5ecb373e.comodoca.com

in DNS management add like the following

remember you don't include cob002.com

so host is
_5A0F6B544719E37A617A842BED3FC2D9.mail

result should look like:

use mxtoolbox to confirm CNAME record is there https://mxtoolbox.com/SuperTool.aspx?action=cname

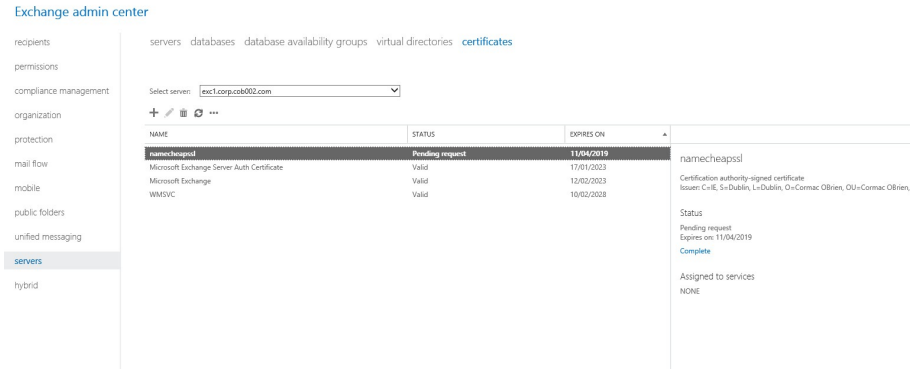
enter full host of

_5A0F6B544719E37A617A842BED3FC2D9.mail.cob002.com

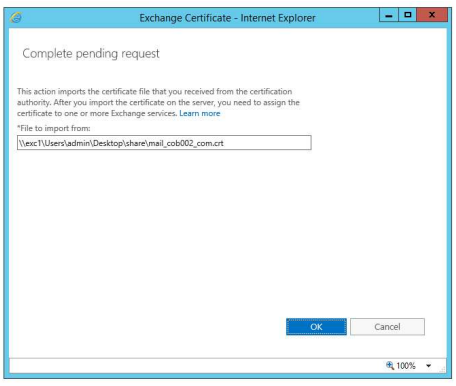
how do we know DCV validation of ownership worked? there isn't any way except to wait for email confirmation, which should arrive in about 30 minutes

Complete applying the certificate

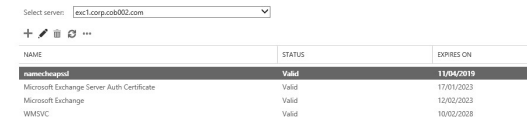
click **Complete**

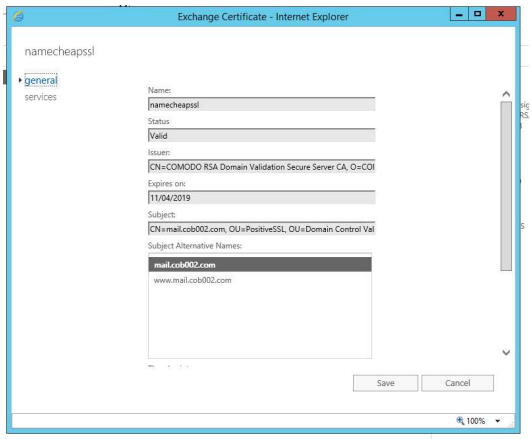


save the certificate emailed to you in the share (crt file)
\\exc1\Users\admin\Desktop\share\mail_cob002_com.crt

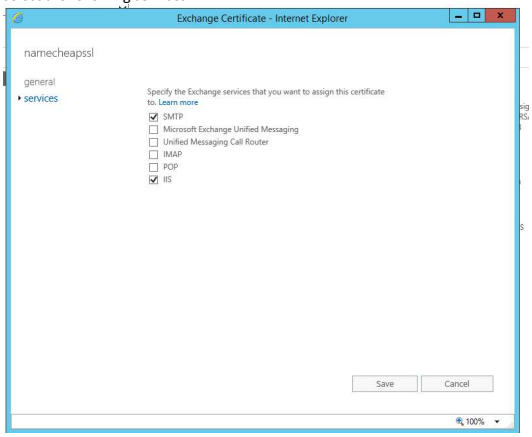


Click **Edit**

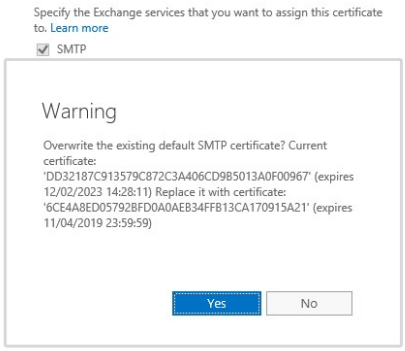




select the following services

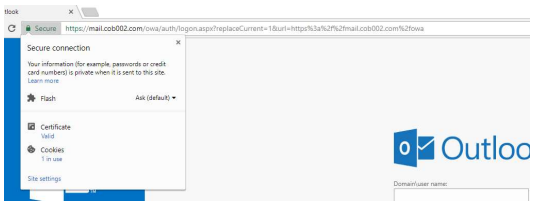


Click **Yes**

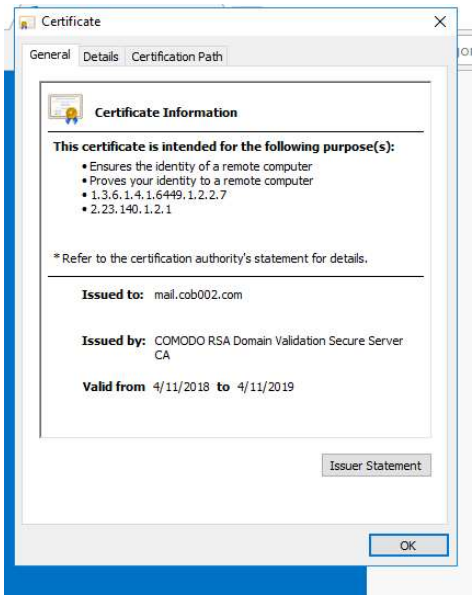


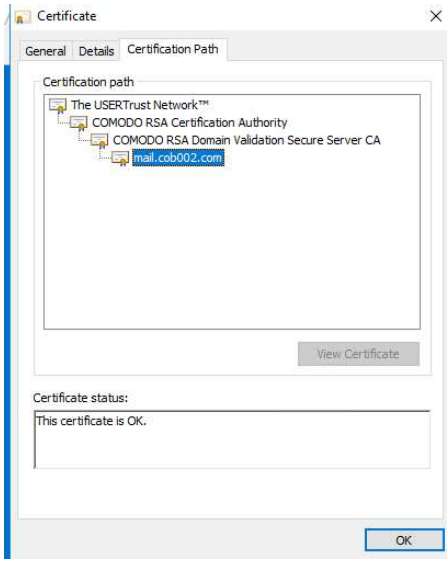
Finally double check with OWA that SSL is applied

browse to https://mail.cob002.com and verify it is secure



inspect the certificate



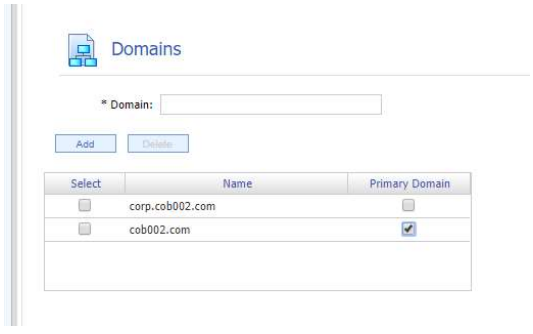


Set up company on EV.cloud

Follow other instructions on doing this,
add the domain cob002.com
configure sync of users with CloudLink

Configure journalling on exchange

go to manage as the superuser and add cob002.com as a domain and make it the primary one

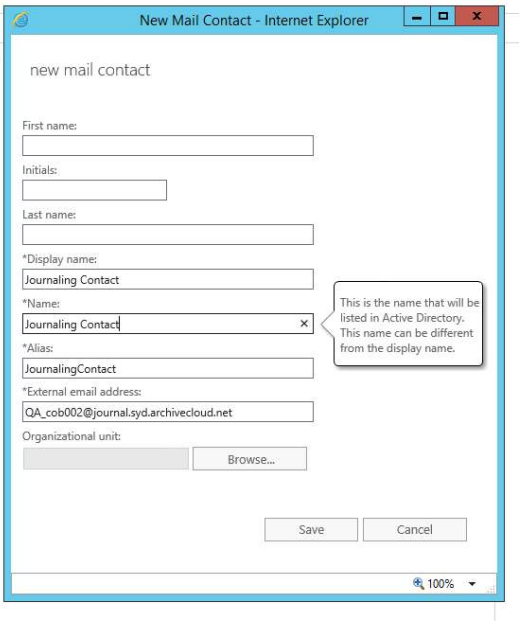


add journalling address like

QA_cob002@journal.syd.archivecloud.net

see veritas documentation on enabling journaling
https://www.veritas.com/content/support/en_US/doc/102694636-102700804-0/v101459417-102700804

Step 1 - Create Journaling Contact



then run

Set-MailContact -Identity "JournalingContact" -UseMapiRichTextFormat Never

```
VERBOSE: Connecting to exc1.corp.cob002.com.
VERBOSE: Connected to exc1.corp.cob002.com.
[PS] C:\Windows\system32>Set-MailContact -Identity "JournalingContact" -UseMapiRichTextFormat Never
WARNING: The command completed successfully but no settings of 'corp.cob002.com/Users/Journaling Contact' have been
modified.
[PS] C:\Windows\system32>_
```

Step 2 - Create SMTP Send Connector

this is optional really, no need to do it in our setup

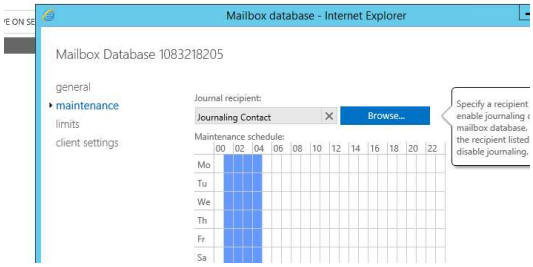
Step 3 - Activate Journaling

we will just set up standard journaling

To activate journaling per database (Standard and Premium Journaling)

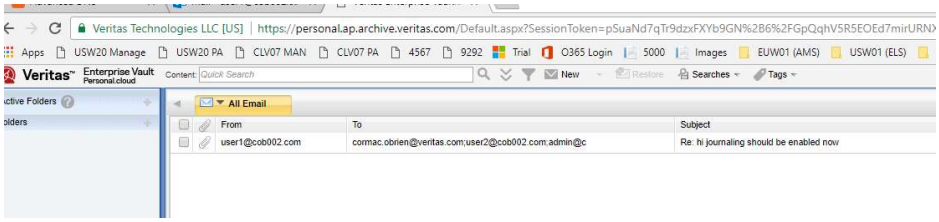
1. Select servers and then databases.
2. Double-click on the mailbox database that requires journaling. The Mailbox Database window displays.
3. Select **Maintenance**.
4. Click **browse**, next to the **Journal recipient** field.
5. Select the Journaling Contact, and then click **ok**.
6. The Mailbox database page displays with the journaling contact in the **Journal recipient** field.
7. Click **save**
8. Repeat these steps for all databases that require journaling.

From <https://www.veritas.com/content/support/en_US/doc/102694636-102700804-0/v101463820-102700804>



Finally users should be synced with CloudLink

and user should have access to PA with journaling forwarding all emails to there


Veritas Technologies LLC [US] | https://personal.ap.archive.veritas.com/Default.aspx?SessionToken=pSuaNd7qTr9dzxFXYb9GN%2B6%2FGpQqhV5R5EOEd7mirURN
Apps
USW20 Manage
USW20 PA
CLV07 MAN
CLV07 PA
4567
9292
Trial
O365 Login
5000
Images
EUW01 (AMS)
USW01 (ELS)
Veritas
Enterprise Vault
Personal.cloud
Content:
Quick Search
New
Restore
Searches
Tags
ctive Folders
olders
All Email
From
To
Subject
user1@cob002.com
cormac.obrien@veritas.com;user2@cob002.com;admin@c
Re: hi journaling should be enabled now