

TechReady19

Installing the Exchange 2013 SP1 Edge role

Lab overview:

The edge role was originally introduced with Exchange 2007 and serves as a gateway for messages going to and from the internet. The role disappeared in Exchange 2013 and has now been re-introduced with SP1. The role still operates a reduced attack surface and sits in the perimeter network providing message security, virus and malware protection, transport rules and address re-writing. This lab will give you the necessary experience to install and configure the edge transport role.

Objectives:

- Install Exchange 2013 Edge Role
- Configure Edge transport rules
- Configure Edge sync

Estimated time to complete this lab:

30 Minutes

Note regarding user account control:

Some steps in this lab may be subject to user account control. User account control is a technology which provides additional security to computers by requesting that users confirm actions that require administrative rights. Tasks that generate a user account control confirmation are denoted using a shield icon. If you encounter a shield icon, confirm your action by selecting the appropriate button in the dialog box that is presented.

Account details:

Username: Administrator

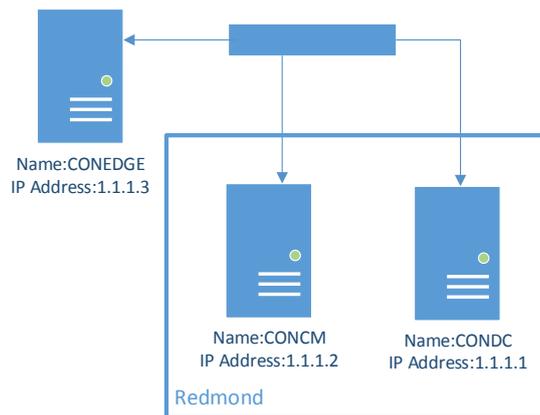
Password: LS1setup!

Domain: contoso.com

Lab computers:

Server name	IP Address	Role	OS
CONDC	1.1.1.1	DC, GC, DNS, Certificate services	Windows Server 2012 R2
CONEXCH	1.1.1.2	CAS, Mailbox (Exchange 2013 SP1)	Windows Server 2012 R2
CONEDGE	1.1.1.3	EDGE, AD LDS (Exchange 2013 SP1)	Windows Server 2012 R2

Lab Diagram:



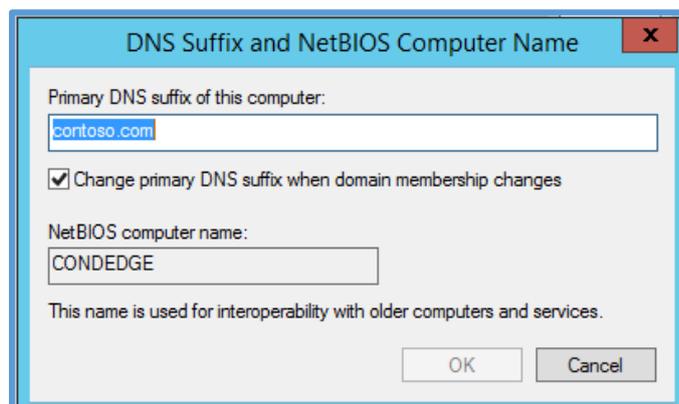
Installing the Edge role:

Installing Active Directory Lightweight directory services.

1. Log into CONEDGE using the administrator account (The CONEDGE server is not part of the domain)
2. On the task bar right click the PowerShell tile and click run as administrator
3. At the command prompt - type – **import-module ServerManager** and press enter
4. At the command prompt - type – **add-windowsfeature ADLDS** and press enter
5. Wait for the process to finish and close the PowerShell window

Configure the DNS suffix.

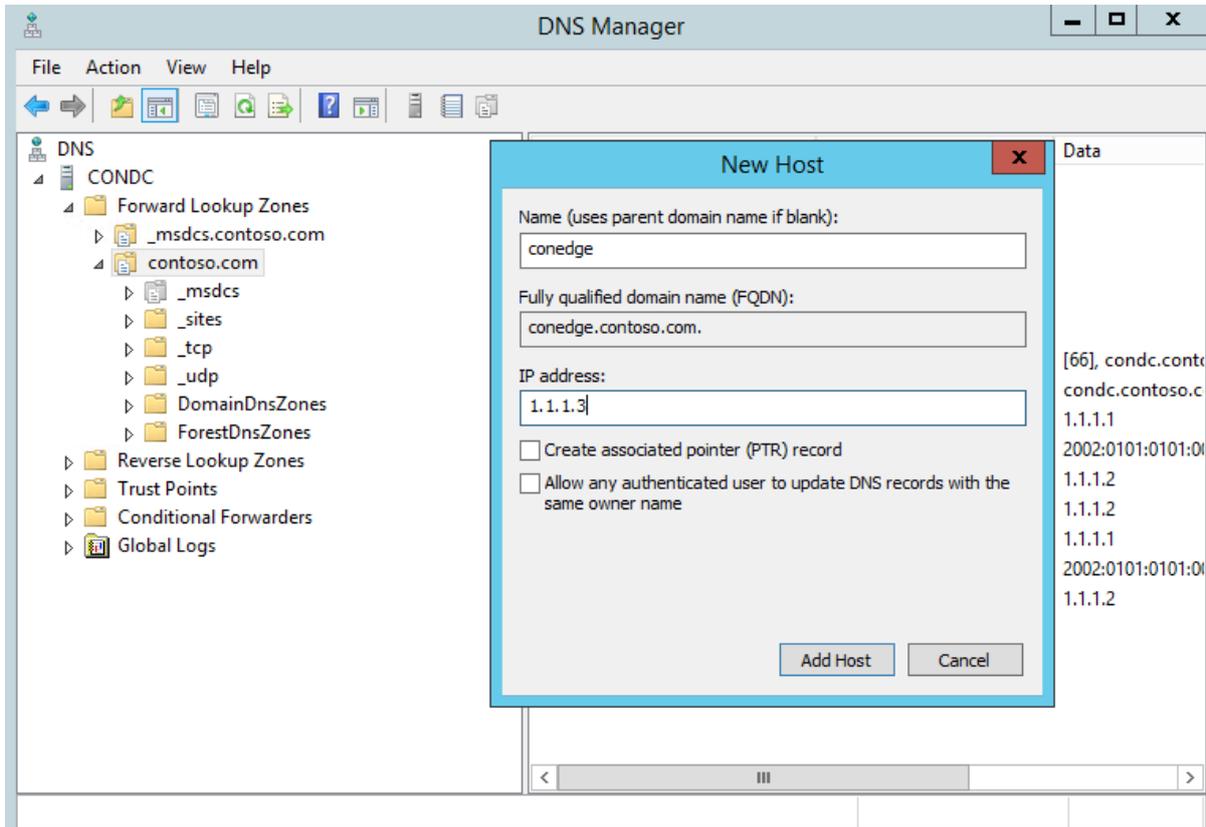
1. Log into CONEDGE
2. Click Start
3. Click control panel
4. In control panel click system and security
5. Click system
6. Next to computer name, domain, and workgroup settings – client change settings
7. In the system properties click change



8. On computer/domain changes click more
9. Enter contoso.com as the primary suffix
10. Restart the server

Create a DNS entry for the edge transport server.

1. Logon to CONDC
2. Click Start
3. Go to **Administrative tools**
4. Click **DNS**
5. Expand the Forward lookup zone and select **contoso.com**
6. Right click on contoso.com and select new **A record**



7. Type **conedge** in the name and **1.1.1.3** in the IP address
8. Click **Add Host**
9. Click **Done**
10. Close DNS Manager

Installing Edge using the setup wizard.

1. Logon to CONEDGE
2. Open **file explorer**
3. Browse to c:\software\Exchange2013\
4. Run **setup.exe**
5. Select **don't check for updates** and click **Next**
6. On the introduction page click **Next**
7. Accept the EULA and click **Next**

8. Choose “**Don’t use recommended settings**” and click **Next**

- Use recommended settings
Exchange server will automatically check online for solutions when encountering errors and provide usage feedback to Microsoft to help improve future Exchange features.
- Don't use recommended settings
Manually configure these settings after installation is complete (see help for more information).

9. Select the **edge transport role** and click **Next**

Server Role Selection

Select the Exchange server roles you want to install on this computer:

- Mailbox role
- Client Access role
- Management tools
- Edge Transport role
- Automatically install Windows Server roles and features that are required to install Exchange Server

10. Click **Next** on the “installation space and location” page

11. When the readiness checks are complete click **Install**.

12. Click **Finish** when then install completes

Creating the edge subscription.

Generate the Edge subscription file:

1. Logon to CONEDGE
2. Click start and open the **Exchange management shell**
3. At the prompt type - **New-EdgeSubscription -FileName “c:\EdgeServerSubscription.xml”**
4. Accept the warning by pressing **Enter**
5. Open file explorer and browse to the c:\ drive
6. Right click the **EdgeServerSubscription.xml** file and click **Copy**
7. Press the windows key + R and type - [\\1.1.1.2\c\\$](#)
8. Right click a blank area of the new window and click **Paste**

Import the Edge subscription file:

1. Logon to CONCM
2. Click start and open the **Exchange management shell**
3. At the prompt type - **New-EdgeSubscription -FileData ([byte[]]\$(Get-Content -Path "C:\EdgeServerSubscription.xml" -Encoding Byte -ReadCount 0)) -Site "Redmond"**

Testing Edge sync

1. Logon to CONCM
2. Click start and open the **Exchange management shell**
3. At the prompt type - **Test-EdgeSynchronization**



Appendix:

TechNet resources

[Exchange 2013 pre requisites](#)

[Exchange 2013 Edge subscriptions](#)

[Exchange 2013 Address rewriting](#)

Blog posts

[Exchange team blog SP1 announcement](#)