

## Exchange 2010 SP1 Multi-Tenant (Step 1 of 3)

Submitted by jdixon on Wed, 04/06/2011 - 12:39am

Exchange 2010

Finally Microsoft has come out with Exchange server that could support multiple organizations without the need of HMC or manually making changes in ADSIEDIT or Active Directory. I have actually not used HMC before but found that trying to segregate address list and GALs manually in Exchange 2007 was a pain.

What is not available

- Exchange Management Console
- Public Folders
- Unified Messaging Server role (can install on different machine)
- GalSync
- Federation
- Business-to-Business features such as cross-premises message tracking and calendar sharing
- IRM
- Outlook 2003 support
- Edge Transport Server role
- Same forest upgrade from Exchange 2007
- Resource forest
- Parent-child domains

- Discontiguous namespace
- Disjoint namespace

I know that most get upset at the Exchange Management Console not being available anymore but I find that the shell commands are really simple and easy (especially with the help of Google and Microsoft help pages).

You can still easily create new users/mailboxes using the Exchange Console Panel through OWA. We will get to that in a little bit.

### Setting up your Lab environment

Note: You must set this up in a domain that Exchange has not been installed in before

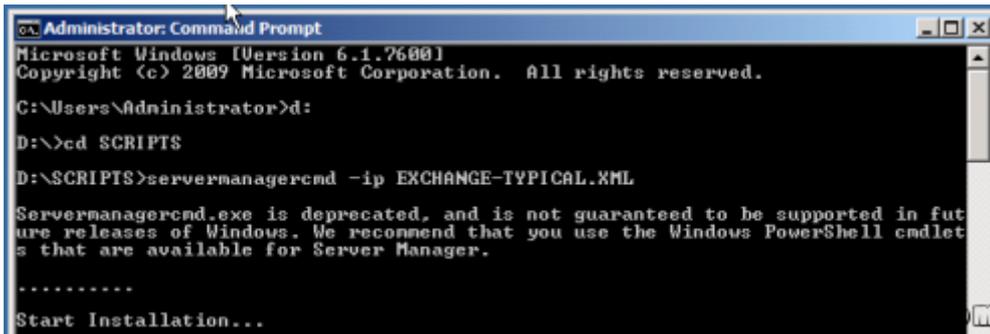
For this tutorial I am going to install the Exchange server on top of the DC. Now this is a *\*supported\** configuration with Microsoft, but it is not one they recommend. What I would do for smaller environments is setup two DC's, two CAS servers (with hub transport roles ontop), and two mailbox servers in a DAG group.

#### *\*Update\**

You should check out the Exchange system requirements before continuing: <http://technet.microsoft.com/en-us/library/aa996719.aspx><sup>[1]</sup>. You must have your Active Directory forest level at 2008 or higher

First thing would be to install the prerequisites:

1. Open command prompt
2. Browse to the SCRIPTS directory
3. Type: `servermanagercmd -ip EXCHANGE_ALL.xml`



```
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>d:
D:\>cd SCRIPTS
D:\SCRIPTS>servermanagercmd -ip EXCHANGE-TYPICAL.XML

Servermanagercmd.exe is deprecated, and is not guaranteed to be supported in future releases of Windows. We recommend that you use the Windows PowerShell cmdlets that are available for Server Manager.

.....
Start Installation...
```

[Please note that the picture shows EXCHANGE-TYPICAL when it should show EXCHANGE-ALL]

After you install that and reboot you will need to install the other prerequisites:

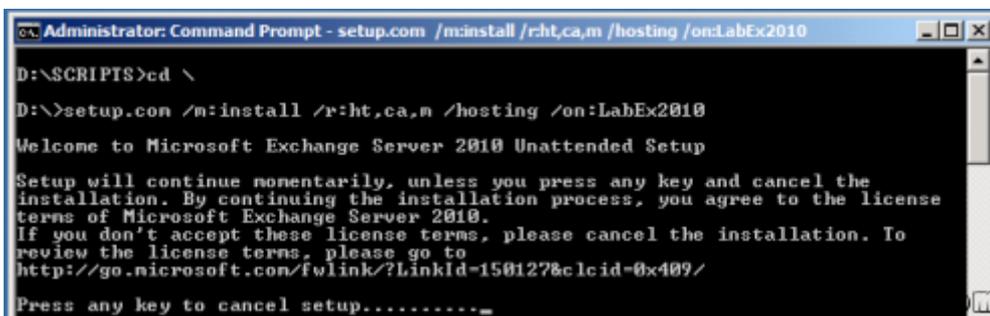
1. Office 2010 Filter Pack x64
2. KB977020
3. KB979744
4. KB982867
5. KB983440

You can download them here if you would like: [Exchange 2010 SP1 Install Files](#)

[2]

Now open command prompt and type:

```
setup.com /m:install /r:ht,ca,m /hosting /on:LabEx2010
```



```
Administrator: Command Prompt - setup.com /m:install /r:ht,ca,m /hosting /on:LabEx2010
D:\SCRIPTS>cd \
D:\>setup.com /m:install /r:ht,ca,m /hosting /on:LabEx2010

Welcome to Microsoft Exchange Server 2010 Unattended Setup

Setup will continue noninteractively, unless you press any key and cancel the installation. By continuing the installation process, you agree to the license terms of Microsoft Exchange Server 2010.
If you don't accept these license terms, please cancel the installation. To review the license terms, please go to
http://go.microsoft.com/fwlink/?LinkId=150127&clcid=0x409/

Press any key to cancel setup.....
```

It will begin preparing active directory and going through its checks and installation

```
Performing Microsoft Exchange Server Prerequisite Check
Configuring Prerequisites COMPLETED
Organization Checks COMPLETED
Setup is going to prepare the organization for Exchange 2010 by using 'Setup /PreparesAD'. No Exchange 2007 server roles have been detected in this topology. After this operation, you will not be able to install any Exchange 2003 or Exchange 2007 servers.
Language Pack Checks COMPLETED
Hub Transport Role Checks COMPLETED
Installing Exchange Server on a domain controller will elevate the privileges for Exchange Trusted Subsystem to domain administrators.
Client Access Role Checks COMPLETED
Installing Exchange Server on a domain controller will elevate the privileges for Exchange Trusted Subsystem to domain administrators.
Mailbox Role Checks COMPLETED
Installing Exchange Server on a domain controller will elevate the privileges for Exchange Trusted Subsystem to domain administrators.
Configuring Microsoft Exchange Server
Organization Preparation COMPLETED
Preparing Setup COMPLETED
Stopping Services COMPLETED
Copying Exchange Files COMPLETED
Language Files COMPLETED
Restoring Services COMPLETED
Languages COMPLETED
Exchange Management Tools COMPLETED
Hub Transport Server Role COMPLETED
Client Access Server Role COMPLETED
Mailbox Server Role COMPLETED
Finalizing Setup COMPLETED
The Microsoft Exchange Server setup operation completed successfully.
Setup has made changes to operating system settings that require a reboot to take effect. Please reboot this server prior to placing it into production.
D:\>
```

That is it! We are now done installing. So reboot and open the Exchange Shell. For step 2 we are going to go over creating service plans and creating new organizations!

**File attachments:**

 [Exchange 2010 SP1 Installer.zip](#)<sup>[3]</sup>

[Privacy Policy](#)

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**Source URL:** <http://www.itswapshop.com/content/exchange-2010-sp1-multi-tenant-step-1-3>

**Links:**

[1] <http://technet.microsoft.com/en->

[2] <http://itswapshop.com/sites/default/files/Exchange 2010 SP1 Installer.zip>

[3] <http://www.itswapshop.com/sites/default/files/Exchange%202010%20SP1%20Installer.zip>