
HOL125: Migrating from Exchange Server 5.5/Windows NT 4 Server to Exchange Server 2003/Windows Server 2003--Part 2

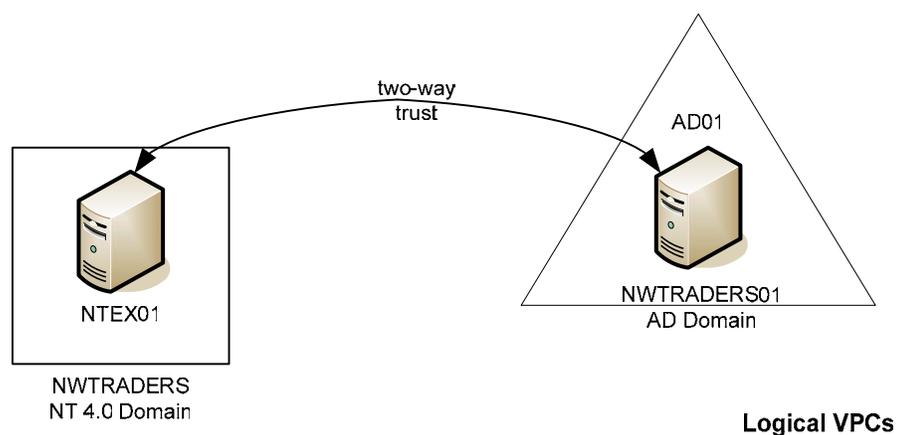
Objectives

After completing this lab, you will be able to:

- Use SetupPrep to prepare a server for Microsoft® Exchange Server 2003.
- Install Exchange Server 2003 on AD01.
- Verify that Exchange Server 2003 was successfully installed.

Note Because this lab focuses on the concepts taught in this module, it may not comply with Microsoft security recommendations.

Scenario



Deployment Lab Overview

HOL124, HOL125 and HOL126 make up the deployment lab sequence. These three one-hour deployment labs walk you through the process of migrating from Windows NT 4.0 and Exchange Server 5.5 to Windows Server 2003 and Exchange Server 2003 using the *Move Mailbox* approach to migration. While this process has been simplified for the lab environment, the steps here are very similar to what is done in a production environment.

- Migrate Microsoft Windows NT® 4.0 users from Windows NT 4.0 to Microsoft Windows Server® 2003 using the Active Directory® Migration Tool (ADMT)
- Verify the Exchange Server 5.5 directory and Active Directory are ready for coexistence
- Prepare the Active Directory forest and domain for Exchange Server 2003
- Install the Active Directory Connector (ADC) and configuring Connection Agreements to synchronize the Exchange Server 5.5 directory with Active Directory
- Install Exchange Server 2003
- Move Mailboxes from the Exchange Server 5.5 server to the Exchange 2003 back-end server
- Migrate Internet SMTP connectivity from Exchange Server 5.5 to Exchange Server 2003
- Migrate Public Folders from Exchange Server 5.5 to Exchange Server 2003
- Retire the last Exchange Server 5.5 server

A process very similar to this is used to migrate to from Exchange Server 5.5 to Exchange 2000. However, Exchange Server 2003 has simplified the process and made it more reliable with the Exchange Server Deployment Tools. These labs use the Exchange Server Deployment Tools to walk through the migration process.

HOL125 Overview

In this lab, you will use SetupPrep to prepare a server for Exchange Server 2003. You will then install Exchange Server 2003 on AD01 and then verify that Exchange Server 2003 was successfully installed

Exercise 1

Starting Virtual PCs

In this exercise, you will start the Virtual PCs (VPCs) required for this lab.

► **Start Microsoft Virtual PC 2004 and start VPCs**

1. On the host computer, click **Start**, point to **Programs**, and then click **Microsoft Virtual PC**.
2. Click **HOL052-AD01** and then click **Start**.
3. Click **HOL052-NTEX01** and then click **Start**.
4. Verify that all VPCs start with no error messages. If error messages appear, consult a lab proctor.
5. To log on to a VPC, press RIGHT-ALT+DELETE.

Exercise 2

Phase 3, Steps 1 and 2 - Using SetupPrep to Prepare AD01 for Exchange Server 2003

In this exercise, you will use SetupPrep to prepare AD01 for Exchange Server 2003.

► **Perform Phase 2, Step 7 – Verify Objects have Replicated to Active Directory**

Note This step was completed in the previous lab. However, it is recommended to check directory synchronization and verify that objects have replicated prior to installing Exchange Server 2003 on AD01.

1. Switch to AD01 and log on as **nwtraders01\administrator** with a password of **MSEvent.123**
2. Click **Start**, point to **Programs**, point to **Microsoft Exchange** and then click **Active Directory Connector**.
3. In the **Connection Agreement Wizard** box, click **Verify**.
4. In the **Information** box, verify that no unreplicated objects were found.
5. Close Active Directory Connector Services.

► **Perform Phase 3, Step 1 - Running SetupPrep**

1. Click **Start**, and then click **Run**.
2. In the **Open** box type **C:\ex2003\SUPPORT\EXDEPLOY** and then click **OK**.
3. Double click **EXDEPLOY.HTA**.
4. On the Welcome to the Exchange Server Deployment Tools page, click **Deploy the first Exchange 2003 server**.
5. Click **Coexistence with Exchange 5.5** and then click **Phase 3**.
6. For Phase 3, Step 1, verify that **NTEX01** is the Microsoft Exchange Server 5.5 server and that **AD01** is the global catalog server.
7. Click **Run SetupPrep now**.

► **Perform Phase 3, Step 2 - Following up on results from SetupPrep**

1. Switch to **C:\Windows\Temp**.
2. Open the **ExDeploy.log** file, scroll to the bottom of the file, and review the output.
3. If any errors are reported in the **ExDeploy.log** file, review each error, and then close the log file.

Exercise 3

Phase 3, Step 3 - Installing Exchange Server 2003 on AD01

In this exercise, you will install Exchange Server 2003 on AD01.

► **Perform Phase 3, Step 3 - Installing Exchange Server 2003 on the initial server**

1. On AD01 switch to the Exchange Server Deployment Tools.
2. Under Phase 3, Step 3, in the **Specify a path to Setup** box, type **c:\ex2003\setup\i386\setup.exe** and then click **Run Setup Now**.
3. On the **Welcome** page, click **Next**.
4. On the **License Agreement** page, click **I agree**, and then click **Next**.
5. In the Component Selection window, select **Custom** for the **Action** for Microsoft Exchange.
6. Select the **Action** of **Install** for the **Microsoft Exchange 5.5 Administrator** component name, and then click **Next**.
7. Click **Join or upgrade an existing Exchange 5.5 Organization**, and then click **Next**.
8. In the **Exchange 5.5 server name** box, type **NTEX01** and then click **Next**.
9. Click **OK** to test the prerequisite conditions.
10. Click **I agree that I have read and will be bound by the license agreements for this product**, and then click **Next**.
11. In the **service account** box, type a password of **MSEvent.123** and then click **Next**.
12. Review your installation choices, and then click **Next**.
13. If prompted to overwrite newer files, click **No to All**.
14. When Setup is complete, click **Finish**.

► **Install the Windows Server 2003 IIS patch**

1. Click **Start** then click **Run** and then click **Browse**.
2. Browse to **C:\ex2003 sp1**, click **WindowsServer2003-KB831464-x86-ENU.exe**, then click **Open**, and then click **OK**.
3. On the Welcome page click **Next**.
4. On the License Agreement page click **I Agree** and then click **Next**.
5. When Setup is complete click **Finish**,

► **Install Exchange Server 2003 Service Pack 1**

1. Click **Start** then click **Run** and then click **Browse**.
2. Browse to **C:\ex2003 sp1**, click **Setup.exe** then click **Open** and then click **OK**.
3. On the Welcome page click **Install Exchange Server 2003 Service Pack 1** and then click **Next**.
4. On the License Agreement page click **I agree**, and then click **Next**.
5. On the Component Selection page click **Next**.
6. On the Installation Summary page verify the selections and then click **Next**.
7. When Installation finishes click **Finish**.
8. Click **Exit** to close the Service Pack 1 Setup page.

► **Verify that Exchange Server 2003 was successfully installed and create additional private information stores**

1. Click **Start**, point to **Programs**, point to **Administrative Tools** and then click **Services**.
2. Click the **Standard** tab at the bottom of the window, and review the services that are installed by Exchange Setup.
3. If any Exchange services set to automatic are not started, start them.
4. Close Services.
5. Click **Start**, point to **Programs**, point to **Microsoft Exchange**, and then click **System Manager**.
6. Expand **Administrative Groups**, and then expand **Redmond**.
7. Expand **Servers**, and then expand **AD01**.

Note NTEX01 is shown in the servers list, which indicates that the Configuration Connection Agreement between Exchange Server 5.5 and Active Directory is working properly.

8. Expand **First Storage Group**, and confirm that the information stores are mounted.
9. Right-click **First Storage Group**, point to **New**, and then click **Mailbox Store**.
10. In the **Name** box, type **Mailbox Store 2 (AD01)** and then click **OK**.
11. Click **Yes** to mount the new information store.
12. Click **OK** when the information store is successfully mounted.

► **Verify that the Exchange Server 2003 is present in the Exchange Server 5.5 directory**

1. Switch to NTEX01 and log on as **nwtraders\Administrator** with a password of **MSEvent.123**
2. Click **Start**, point to **Programs**, point to **Microsoft Exchange**, and then click **Microsoft Exchange Administrator**.
3. In the left pane, expand **Redmond**, expand **Configuration**, click **Servers**, and then verify that **AD01** is in the Exchange Server 5.5 directory.

Exercise 4

Phase 3, Step 5- Validating the installation of Exchange Server 2003

In this exercise, you will validate the Exchange Server 2003 server was installed successfully.

► **Perform Phase 3, Step 5 – Validating the installation of Exchange Server 2003**

1. Switch to AD01.
2. Switch to the Microsoft Exchange Deployment Tools.
3. Step 4 is not necessary since there is only one Exchange Server 5.5 server and Active directory domain controller
4. In Step 5, click **Go to the validation tools now**.
5. Verify that the server name fields are correct.
6. Click **Run ADConfigCheck now**.
7. Click **Run ConfigDSInteg now**.
8. Click **Run RecipientDSInteg now**.
9. Click **Run PrivFoldCheck now**.
10. Switch to C:\windows\temp, and double-click **ExDeploy.log**.
11. Scroll to the end of the file, and review the output of the utilities run previously.
12. If any errors are found, switch to the Exchange Server Deployment Tools, and click the tool with the associated error for corrective action or more information.
13. Close ExDeploy.log.
14. Switch to the Exchange Server Deployment Tools, and then click **Return to Phase 3. Installing Exchange Server 2003 on the Initial Server** at the bottom of the page.
15. On the **Phase 3** page, click **Next** at the bottom of the page.
16. On the Installing Exchange 2003 on Additional Server page, click **Next**.

Exercise 5

Moving Mailboxes from Exchange Server 5.5 to Exchange Server 2003

In this exercise, you will prepare and move mailboxes from an Exchange Server 5.5 server to the Exchange Server 2003 back-end server.

► Perform post installation steps - moving mailboxes from Exchange Server 5.5 to Exchange 2000

1. Under Post-Installation Steps review the information on moving mailboxes.
2. Start Active Directory Users and Computers from the Microsoft Exchange menu.
3. In Active Directory Users and Computers, in the console tree under **NWTaders01.msft**, expand **Managed Objects**, and then click **Users**.
4. In the right pane, select the first 25 users in the list (down to User31), click **Action**, and then click **Exchange Tasks**.
5. On the **Welcome to the Exchange Task Wizard** page, click **Next**.
6. On the **Available Tasks** page, select **Move Mailbox**, and then click **Next**.
7. On the **Move Mailbox** page, verify that **Same Administrative Group Move** is selected, and then click **Next**.
8. On the **Move Mailbox** page, in the **Server** box, verify that the server is **NWTRADERS/REDMOND/AD01** and the Mailbox Store is **First Storage Group/Mailbox Store (AD01)**, and then click **Next** to move the first mailboxes.
9. Select **Skip corrupted items and create a failure report**, and then click **Next**.
10. On the **Task Schedule** page, click **Next**.
11. When the **Completing the Exchange Task Wizard** page appears, review the summary information, and then click **Finish**.

► Continue moving the mailboxes to the second information store

1. In the details pane of Active Directory Users and Computers, select the remaining users in the list, click **Action**, and then click **Exchange Tasks**.
2. On the **Welcome to the Exchange Task Wizard** page, click **Next**.
3. On the **Available Tasks** page, select **Move Mailbox**, and then click **Next**.
4. On the **Move Mailbox** page, verify that **Same Administrative Group Move** is selected, and then click **Next**.
5. On the **Move Mailbox** page, in the **Server** box, verify that the server is **NWTRADERS/REDMOND/AD01** and the Mailbox Store is **First Storage Group/Mailbox Store 2 (AD01)**, and then click **Next** to move the second set of mailboxes.

6. Select **Skip corrupted items and create a failure report**, and then click **Next**.
7. On the **Task Schedule** page, click **Next**.
8. When the **Completing the Exchange Task Wizard** page appears, review the summary information, and then click **Finish**.

► **Continue post installation steps - moving the Administrator mailbox**

1. In Active Directory Users and Computers, click the Users container.
2. In the details pane of Active Directory Users and Computers, select the Administrator, click **Action**, and then click **Exchange Tasks**.
3. On the **Welcome to the Exchange Task Wizard** page, click **Next**.
4. On the **Available Tasks** page, select **Move Mailbox**, and then click **Next**.
5. On the **Move Mailbox** page, verify that **Same Administrative Group Move** is selected, and then click **Next**.
6. On the **Move Mailbox** page, in the **Server** box, verify that the server is **NWTRADERS/REDMOND/AD01** and the Mailbox Store is **First Storage Group/Mailbox Store (AD01)**, and then click **Next** to move the Administrator mailbox.
7. Select **Skip corrupted items and create a failure report**, and then click **Next**.
8. On the **Task Schedule** page, click **Next**.
9. When the **Completing the Exchange Task Wizard** page appears, review the summary information, and then click **Finish**.

► **Continue post installation steps - moving resources**

1. In Active Directory Users and Computers, under **Managed Objects**, click **Resources**.
2. In the right pane, select all the resource mailboxes in the list, click **Action**, and then click **Exchange Tasks**.
3. On the **Welcome to the Exchange Task Wizard** page, click **Next**.
4. On the **Available Tasks** page, select **Move Mailbox**, and then click **Next**.
5. On the **Move Mailbox** page, verify that **Same Administrative Group Move** is selected, and then click **Next**.
6. On the **Move Mailbox** page, in the **Server** box, verify that the server is **NWTRADERS/REDMOND/AD01** and the Mailbox Store is **First Storage Group/Mailbox Store (AD01)**, and then click **Next** to move the resource mailboxes.
7. Select **Skip corrupted items and create a failure report**, and then click **Next**.
8. On the **Task Schedule** page, click **Next**.
9. When the **Completing the Exchange Task Wizard** page appears, review the summary information, and then click **Finish**.

► **Confirm that the mailboxes have been moved**

1. On AD01, on the **Microsoft Exchange** menu, click **System Manager**.
2. In the Exchange System Manager window, in the console tree, expand **Servers**, expand **AD01**, expand **First Storage Group**, expand **Mailbox Store (AD01)**, and then click **Mailboxes**.
3. In the details pane, verify that the first 25 mailboxes are listed.
4. Expand **Mailbox Store 2 (AD01)**, and then click **Mailboxes**.
5. In the details pane, verify that the second set of mailboxes is listed.

► **Shutdown all VPCs**

- Shutdown all VPCs by clicking **Close** on the **Action menu**. If prompted, do not save changes.

