Install and configure email server and client

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What this exercise is about

The objective of this lab is to provide you with an understanding of installation and configuration of the hMailServer, an open source e-Mail server for Microsoft Windows. Then it will guide you though the installation and configuration of the email client server, Mozilla Thunderbird

What you should be able to do

At the end of this lab you should be able to:

- Install hMailServer
- Create users in hMailServer
- Install and configure Mozilla Thunderbird email client

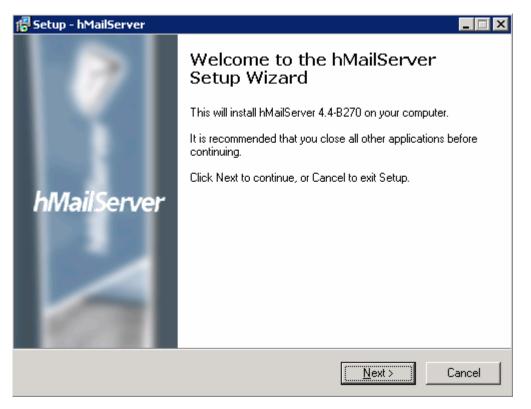
Introduction

You will install the hMailServer and configure it to create users as a prerequisite for the e-Mail Adapter Inbound and Outbound labs.

Part 1: Install hMailServer

This part of the lab describes the steps for installing the hMailServer and then guides you with the configuration setup.

- 1. Go to the <u>http://www.hmailserver.com/?page=download</u> and download the latest stable binaries for the hMailServer onto your local machine. Double click the downloaded **.exe** file to start the installation of the hMailServer
- 2. Follow the instructions on the Welcome screen and click **Next**



_____ 3. Accept the default value for the destination installation location and click Next

🕵 Setup - hMailServer	
Select Destination Location Where should hMailServer be installed?	
Setup will install hMailServer into the follo	owing folder.
To continue, click Next. If you would like to select	t a different folder, click Browse.
C:\Program Files\hMailServer	Browse
At least 0.7 MB of free disk space is required.	
hMailServer	< <u>B</u> ack <u>N</u> ext > Cancel

4. Ensure that the **Full Installation** is selected and the **Server** and **Administrative tools** components are checked for installation and click **Next**

🐻 Setup - hMailServer		×
Select Components Which components should be installed?		3
Select the components you want to install; o install. Click Next when you are ready to cor		
Full installation		
Server	8.8 MB	
Administrative tools	8.5 MB	
Current selection requires at least 13.9 MB of	of disk space.	
hMailServer	< <u>B</u> ack <u>N</u> ext > Cancel	

5. Make sure that the radio button next to Use built-in MYSQL database server (recommended) is selected and click Next

🚏 Setup - hMailServer		_ 🗆 🗙
Select database server type Database type		
 Use built-in MySQL database sei Use external database server 	rver (recommended)	
hMailServer		
	< <u>B</u> ack <u>N</u> ext > Ca	incel

6. Click **Next** on the next screen to accept the default start menu folder

🚰 Setup - hMailServer	
Select Start Menu Folder Where should Setup place the program's shortco	outs?
Setup will create the program's shortcu	uts in the following Start Menu folder.
To continue, click Next. If you would like to sele	ect a different folder, click Browse.
hMailServer	Browse
hMailServer	
	< <u>B</u> ack <u>N</u> ext > Cancel

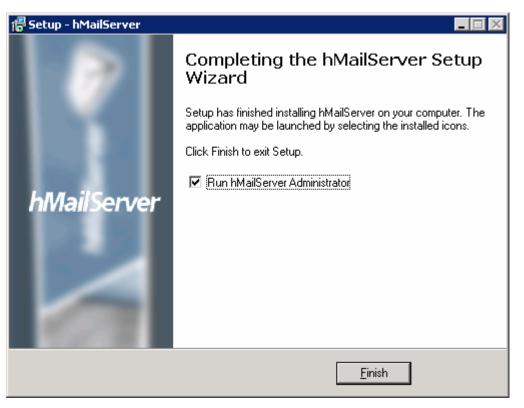
7. Verify and click **Finish** on the summary screen. The installation takes less than a minute depending upon the system resources

🖶 Setup - hMailServer	
Ready to Install Setup is now ready to begin installing hMailServer on your computer.	
Click Install to continue with the installation, or click Back if you want to review o change any settings.	r
Destination location: C:\Program Files\hMailServer	<u> </u>
Setup type: Full installation	
Selected components: Server Administrative tools	
Start Menu folder: hMailServer	T
4	
hMailServer	
< <u>B</u> ack	Cancel

8. Enter any password for the administration rights in this screen

🕆 Setup - hMailServer
hMailServer Security Specify main password
The installation program will now create a hMailServer user with administration rights. Please enter a password below. You will need this password to be able to manage your hMailServer installation, so please remember it.
Password:
•••••
Confirm password:
••••••
hMailServer
<u>N</u> ext >

9. Ensure that the check box next to **Run hMailServer Administrator** is selected and click **Finish** to exit the setup



Part 2: Configure hMailServer

- 1. Select Start > Programs > hMailServer > hMailServer Administrator to open Administrator-Connect window (if not already open)
- 2. Ensure that the Host name **localhost** is selected and click **Connect.** If you do not see it already listed, click Add and enter **localhost** for the Name field

🗜 hMailServer Administrator - Connect 🛛 🔹 🔀			×
Connect			
Host name	User name		Add
localhost	Administrator		
			Edit
			<u>D</u> elete
Automatically conne	ct on start-up		
		Connect	Cancel

__ 3. From Enter password window, enter the administration password given in step 8 of Part 1 and click OK

Enter password		×
hMailServer admini:	stration password	ł

		Canal 1
	OK	Cancel

The hMailServer Administrator window is opened.

💥 hMailServer Administrator		<
File Help		
Status	Welcome	
Domains Rules	Getting started	
⊡…X Settings ⊡…☆ Utilities	Add domain	

4. Click the **Add domain...** button and the Domain screen is opened

5. Enter your machine name for the **Domain name** and click **Save**

Domain		
General Names	Signature Limits Ad	dvanced
Domain name aimcp101.austin.it		
Catch-all address		
	@	
Active		

You will now see the domain listed under Domains in the left pane window

💥 hMailServer Administrator - [localhos
File Help
🛁 🌍 Welcome
- 🕤 Status
🖻 😔 Domains
🖻 🁚 aimcp101.austin.ibm.com
🦾 Accounts
📖 Aliases
📖 🧔 Distribution lists
Rules
🗄 📉 🔀 Settings
🗄 🚖 Utilities

6. Click the Add account... button from the right side window, Account: @<domain name> is opened in your right side of the window

- 7. Enter these under General tab:
 - ____a. Account address: Emailuser1
 - ____b. Password: password1
 - ____ c. Maximum size (MB): 5

Account: @aimcp101.au	stin.ibm.com
General Active Directory	Auto-reply Rules External accounts Forwarding Signature
Account address	
Emailuser1 @	aimcp101.austin.ibm.com
Password << ENCRYPTED >>	
Size (MB)	Maximum size (MB) 5
Administration level	Last logon time
Active	

____ d. Click Save at the bottom

You will now see the account created under **Domains > your domain > Accounts** as shown below:



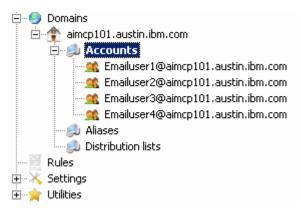
- _____8. Create another user, Emailuser2
 - ____a. Expand **Domains > your_domain**

____b. Right-click Accounts and select Add from the pop-up menu.

⊡…⊚ Domains ⊡…∯ aimcp101.aust ⊡…∭ Accounts	
🥂 Emailı	Add
— 🔔 Aliases	Delete
Distributic	Add AD account

- ____ c. Enter these under General tab of Account: @<your_domain> window:
 - 1) Account address: Emailuser2
 - 2) Password: password2
 - 3) Maximum size (MB): 5
- ____ d. Click **Save** at the bottom
- ____e. Repeat the previous step and create two more user accounts: Emailuser3, Emailuser4

You will now see the four user accounts as shown below:



- 9. Select Settings > Protocols > SMTP on the left pane to open SMTP window on the right side
- 10. Select the **Delivery of email** tab and see that the **TCP Port** is 25 (25 by default). If that port number is already being used, then give some other unused port number and give the same for the SMTP Port in the **Advanced** tab of SMTP window
- 11. Enter **localhost** for **Host name** field

- 12. Select the check box next to **Server requires authentication** and enter these:
 - ____a. User name: <user>@<domain_name> (Ex: Emailuser1@aimcp101.rchland.ibm.com)
 - ____b. Password: **password** for the user account (Ex: password1)

💥 hMailServer Administrator - [localhost]	
File Help	
Welcome Status Domains Accounts Accounts Accounts Emailuser1@aimcp101.austin.ibm.com Emailuser3@aimcp101.austin.ibm.com Aliases Distribution lists Rules Settings Protocols POP3 IMAP POP3 IMAP Advanced Advanced Mules	SMTP General Delivery of e-mail Statistics RFC compliance Advanced Delivery of e-mail Number of retries Minutes between every retry 4 60 Host name localhost SMTP Relayer TCP Port 25 Server requires authentication User name Emailuser1@aimcp101.austin.ibm.com Password *********

13. Click Save at the bottom

14. Select Settings > TCP/IP ports on the left pane and note the port numbers used for different protocols. You need to change these port numbers if they have already been used by some other application.

₽/IP ports	
Protocol	TCP Port
SMTP	25
POP3	110
IMAP	143
	Protocol SMTP POP3

15. Finally hit the Exit button to close the Administrator window

Part 3: Configure Mozilla Thunderbird email client

- 1. Download and install the Thunderbird email client http://www.mozilla.com/en-US/thunderbird/ based on Mozilla code
- 2. Select Start > Programs > Mozilla Thunderbird > Mozilla Thunderbird to start the client
- 3. From Default Client window, **uncheck** the box for Always perform check when starting Thunderbird and click **OK**
- _____4. From the main menu, select File > New > Account. This will open an Account Wizard
- 5. Select the box next to Email account and click Next

Account Wizard	×
New Account Setup	
In order to receive messages, you first need to set up a Mail or Newsgroup account.	
This Wizard will collect the information necessary to set up a Mail or Newsgroup account. If you do not know the information requested, please contact your System Administrator or Internet Service Provider.	
Select the type of account you would like to set up:	
Email accounti RSS News & Blogs	
C Gmail	
C Newsgroup account	

- 6. From the Identity screen, enter these:
 - ___a. Your Name: Emailuser1@aimpc101.austin.ibm.com
 - ___ b. Email Address: Emailuser1@aimcp101.austin.ibm.com

Each account has an identity, which is the information that identifies you to others when they receive your messages.

Enter the name you would like to appear in the "From" field of your outgoing messages (for example, "John Smith").

<u>r</u> our Name: E	
----------------------	--

mailuser1@aimcp101.austin.ibm.com

Enter your email address. This is the address others will use to send email to you (for example, "user@example.net").

Email Address: Emailuser1@aimcp101.austin.ibm.com

___ c. Click Next

- 7. From the Server Information screen, enter these:
 - ____a. Ensure that **POP** is selected
 - ____b. Incoming Server: aimcp101.austin.ibm.com
 - ____ c. Uncheck the box next to Use Global Index
 - ____d. Outgoing server: aimcp101.austin.ibm.com

 Select the type of incoming server you are using.

 ● POP
 ● IMAP

 Enter the name of your incoming server (for example, "mail.example.net").

 Incoming Server:
 aimcp101.austin.ibm.com

 Uncheck this checkbox to store mail for this account in its own directory. That will make this account appear as a top-level account. Otherwise, it will be part of the Local Folders Global Inbox account.

 □
 Use Global Inbox (store mail in Local Folders)

 Enter the name of your outgoing server (SMTP) (for example, "smtp.example.net").

 Outgoing Server:
 aimcp101.austin.ibm.com

___e. Click Next

____8. From the User Names screen, enter <u>Emailuser1@aimcp101.austin.ibm.com</u> for Incoming User Name and click **Next**

Enter the incoming user name given to you by your email provider (for example, "jsmith").
Incoming User Name: Emailuser1@aimcp101.austin.ibm.com

9. For Account Name, enter <u>Emailuser1@aimcp101.austin.ibm.com</u>

	hich you would like to refer to this account (for punt", "Home Account" or "News Account").
<u>A</u> ccount Name:	Emailuser1@aimcp101.austin.ibm.com

____ 10. Review the summary and click **Finish**

11. Enter the password for user Emailuser1 for the pop-up window and check the option at the bottom to remember the password so that you do not have to enter every time:

inter yo	ur password: 🛛 🔀
3	Enter your password for Emailuser1@aimcp101.austin.ibm.com on aimcp101.austin.ibm.com:

	☑ Use Password Manager to remember this password.
	OK Cancel

- _____12. The Inbox for the Emailuser1 is opened
- _____ 13. Similarly add one more user account, Emailuser2@aimcp101.austin.ibm.com

🗉 🔄 Local Folders
🖃 🖂 Emailuser1@aimcp101.austin.ibm.com
Inbox
🔤 🗍 Trash
🖃 🖂 Emailuser2@aimcp101.austin.ibm.com
- 🧁 Inbox
🔤 🗍 Trash

- _____14. Ensure that you have the right outgoing server:
 - ____a. From the main menu, select Edit > Properties for the created users or the client itself.
 - ____b. From the left pane, select Outgoing Server (SMTP) at the bottom
 - ____ c. Ensure that the table lists Emailuser1

Account Settings		×
Emailuser1@aimcp101.aus	Outgoing Server (SMTP) Settings	
Server Settings Copies & Folders Composition & Addressing Disk Space	Although you can specify more than one outgoing server (SMTP), this is only recommended for advanced users. Setting up multiple SMTP servers can caus errors when sending messages.	e
-Junk Settings	Emailuser1@aimcp101.austin.ibm.com - aimcp101.austin.ib Add	
-Return Receipts	Edit	
Security		
E Local Folders	Remov	8
-Disk Space	Set Defa	ult
Uutgoing Server (SMTP)	Description: <not specified=""> Server Name: aimcp101.austin.ibm.com Port: 25 User Name: Emailuser1@aimcp101.austin.ibm.com Secure Connection: None</not>	

Note: If the default user is not Emailuser1 or no user is defined here, click Edit/Add and then enter these:

Description:	
<u>S</u> erver Name:	aimcp101.austin.ibm.com
Port:	25 Default: 25
	and password e: [ˈːmailuser1@aimcp101.austin.ibm.
Use secure cor	nnection:
No	C TLS, if <u>a</u> vailable C <u>T</u> LS C S

What you did in this exercise

In this lab, you installed the hMailServer and created four users. Then you continued to install and configure the Mozilla Thunderbird client as a prerequisite for the E-Mail Adapter Inbound and Outbound labs.