LAB 05 - CONFIGURING POP3, IMAP AND MAPI/HTTP SERVICES

EXERCISE 1 - CONFIGURING POP3 SERVICES

PART 1 - ENABLE AND CONFIGURE POP3 IN EXCHANGE ADMIN CENTER (EAC)

EXPLANATION:

 ${f In}$ this part, you will enable and configure the POP3 protocol ${f using}$ the Exchange Admin Center (EAC).

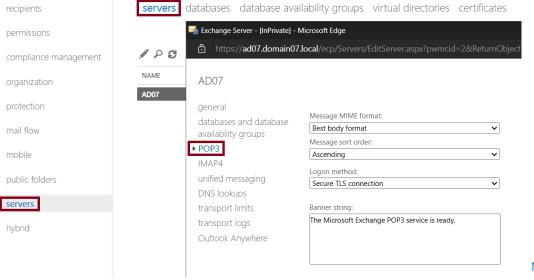
POP3 allows mail clients to download messages from Exchange **for** offline use. By default, the POP3 service is disabled and must be manually configured.

You will configure:

- Timeout duration for authenticated sessions
- Maximum concurrent connections allowed overall, per IP, and per user

STEPS:

- Open a web browser on your Exchange server (e.g., Microsoft Edge or Google Chrome).
- 2. In the address bar, type the following URL and press Enter: https://ad07.domain07.com/ecp
- Sign in with an administrator account (e.g., Administrator@domain07.com).
- 4. In the left-hand navigation pane, click on "Servers", then click the "Servers" tab.
- In the list of servers, double-click your Exchange server named "ad07".
- 6. In the server properties window, select "POP3" from the left-hand options.



More options...

7. In the POP3 settings page, configure the following:

- Authenticated session timeout: 10 minutes
- Maximum connections: 400
- Maximum connections per IP address: 200
- Maximum connections per user: 3

Time-out settings			
Authenticated time-out (seconds):			
600			
Unauthenticated time-out (seconds):			
60			
Connection limits			
Maximum connections:			
400			
Maximum connections from a single			
200			
Maximum connections from a single			
3			
Maximum command size (bytes):	<u>'</u>		

8. Click the "Save" button at the bottom right corner to apply the changes.

PART 2 - CONFIGURE POP3 USING EXCHANGE MANAGEMENT SHELL (EMS)

EXPLANATION:

In this part, you will use PowerShell commands in the Exchange Management
Shell to configure POP3.

This includes starting the POP3 and POP3 Backend services, setting them to start automatically,

verifying POP3 settings, changing the authentication method, and enabling POP3 access **for** all mailboxes.

STEPS:

512

- 1. Launch the Exchange Management Shell (EMS) on your Exchange server (ad07).
- 2. Start the POP3 and POP3 Backend services:

```
Start-Service MSExchangePOP3
Start-Service MSExchangePOP3BE
```

```
[PS] C:\Users\Administrator>Start-Service MSExchangePop3
WARNING: Waiting for service 'Microsoft Exchange POP3 (MSExchangePop3)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 (MSExchangePop3)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 (MSExchangePop3)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 (MSExchangePop3)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 (MSExchangePop3)' to start...
[PS] C:\Users\Administrator>Start-Service MSExchangePOP3BE
WARNING: Waiting for service 'Microsoft Exchange POP3 Backend (MSExchangePOP3BE)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 Backend (MSExchangePOP3BE)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 Backend (MSExchangePOP3BE)' to start...
```

These commands start the POP3 frontend (client-facing) and backend (mailbox-processing) services.

By default, they are not running after installation.

3. Configure these services to start automatically on system boot:

```
Set-Service MSExchangePOP3 -StartupType Automatic
Set-Service MSExchangePOP3BE -StartupType Automatic
```

```
[PS] C:\Users\Administrator>Set-Service MSExchangePOP3 -StartupType Automatic
[PS] C:\Users\Administrator>Set-Service MSExchangePOP3BE -StartupType Automatic
```

Without this, the services would need to be started manually after every reboot.

4. Verify the current POP3 settings:

Get-PopSettings | Format-List

```
[PS] C:\Users\Administrator>Get-PopSettings | Format-List
Creating a new session for implicit remoting of "Get-PopSettings" command...
                                                                                        : 5a366c53-39c7-43ce-bde4-f8708ff6b2d5
: 1
: POP3
RunspaceId
Name
ProtocolName
MaxCommandSize
csageRetrieva
                                                                                            1
POP3
512
MaxCommandSize
MessageRetrievalSortOrder
UnencryptedOrTLSBindings
SSLBindings
InternalConnectionSettings
ExternalConnectionSettings
X509CertificateName
Banner
                                                                                            Ascending
{[::]:110, 0.0.0.0:110}
{[::]:995, 0.0.0.0:995}
{ad07.domain07.local:995:SSL, ad07.domain07.local:110:TLS}
{}
                                                                                            {}
ad07
The Microsoft Exchange POP3 service is ready.
SecureLogin
00:10:00
00:01:00
400
200
3
 LoginType
AuthenticatedConnectionTimeout
AuthenticatedConnectionTimeout
PreAuthenticatedConnectionTimeout
MaxConnections
MaxConnectionFromSingleIP
MaxConnectionSPerUser
MessageRetrievalMimeFormat
ProxyTargetPort
CalendarItemRetrievalOption
OwaServerUrl
FrableExactBFC827Size
                                                                                            BestBodyFormat
1995
iCalendar
                                                                                            False
False
False
False
 EnableExactRFC822Size
LiveIdBasicAuthReplacement
LiveIdBasicAuthReplacemer
SuppressReadReceipt
ProtocolLogEnabled
EnforceCertificateErrors
LogFileLocation
LogFileRollOverSettings
LogPerFileSizeQuota
ExtendedProtectionPolicy
EnableGSSAPIAndNTLMAuth
                                                                                            False
C:\Program Files\Microsoft\Exchange Server\V15\Logging\Pop3
                                                                                            Hourly
0 B (0 bytes)
                                                                                           None
True
AD07
 Server
AdminDisplayName
                                                                                            0.10 (14.0.100.0)

CN=1,CN=POP3,CN=Protocols,CN=AD07,CN=Servers,CN=Exchange

Administrative Group (FYDIBOHF23SPDLT),CN=Administrative

Groups,CN=AD07-Exchange,CN=Wicrosoft

Exchange,CN=Services,CN=Configuration,DC=domain07,DC=local
ExchangeVersion
DistinguishedName
                                                                                            AD07\1
009c3349-3a78-4bd7-85ff-738657274279
domain07.local/Configuration/Schema/ms-ExchtProtocol_Cfg-POP-S
Identity
ObjectCategory
```

This displays all POP3 server settings such as timeouts, connection limits, banner, and login type.

5. Set the login method to SecureLogin:

Set-PopSettings -LoginType SecureLogin

[PS] C:\Users\Administrator>Set-PopSettings -LoginType SecureLogin WARNING: The command completed successfully but no settings of 'AD07\1' have been modified. [PS] C:\Users\Administrator> This changes the authentication method to a secure challenge-response model (NTLM), avoiding plain text credentials.

6. Enable POP3 access for all users:

Get-CASMailbox -ResultSize Unlimited | Set-CASMailbox -PopEnabled \$true

```
[PS] C:\Users\Administrator>Get-CASMailbox´-ResultSize Unlimited | Set-CASMailbox -PopEnabled $true
[PS] C:\Users\Administrator>
```

This enables POP3 protocol access ${f for}$ every user mailbox ${f in}$ the organization.

```
[PS] C:\Users\Administrator>Get-CASMailbox -Identity atohme | fl Name,PopEnabled
Name : Antoine Tohme
PopEnabled : True
```

7. Restart both POP3 services to apply changes:

Restart-Service MSExchangePOP3
Restart-Service MSExchangePOP3BE

```
[PS] C:\Users\Administrator>Restart-Service MSExchangePOP3
WARNING: Waiting for service 'Microsoft Exchange POP3 (MSExchangePOP3)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 (MSExchangePOP3)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 (MSExchangePOP3)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 (MSExchangePOP3)' to start...
[PS] C:\Users\Administrator>Restart-Service MSExchangePOP3BE
WARNING: Waiting for service 'Microsoft Exchange POP3 Backend (MSExchangePOP3BE)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 Backend (MSExchangePOP3BE)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 Backend (MSExchangePOP3BE)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 Backend (MSExchangePOP3BE)' to start...
WARNING: Waiting for service 'Microsoft Exchange POP3 Backend (MSExchangePOP3BE)' to start...
[PS] C:\Users\Administrator>
```

Restarting ensures all new settings take effect immediately.

EXERCISE 2 - CONFIGURING IMAP4 SERVICES

PART 1 - ENABLE AND CONFIGURE IMAP4 IN EXCHANGE ADMIN CENTER (EAC)

EXPLANATION:

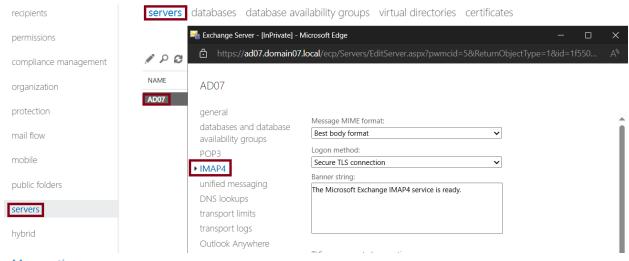
In this task, you will configure IMAP4 protocol support using the Exchange
Admin Center (EAC).

IMAP4 keeps emails on the server and allows users to sync across multiple devices.

You will configure timeout settings and connection limits **for** security and performance control.

STEPS:

- 1. Open a web browser on your Exchange server (e.g., Microsoft Edge).
- 2. In the address bar, go to:
 https://ad07.domain07.com/ecp
- 3. Sign in using your admin credentials (e.g., Administrator@domain07.com).
- 4. In the left-hand menu, click "Servers" > then click the "Servers" tab at the top.
- 5. Double-click your Exchange server (ad07) from the list.
- 6. In the left-hand panel, select **IMAP4**.



More options...

- Maximum connections: 600
- Maximum connections per IP address: 300
- Maximum connections per user: 4

Time-out settings
Authenticated time-out (seconds):

900
Unauthenticated time-out (seconds):

60

Connection limits

Maximum connections:

600

Maximum connections from a single IP address:

300

Maximum connections from a single user:

4

Maximum command size (bytes):

- Connection timeout: 15 minutes (enter 900 seconds)

8. Click **Save** to apply the changes.

7. Set the following values:

PART 2 - CONFIGURE IMAP4 USING EXCHANGE MANAGEMENT SHELL (EMS)

EXPLANATION:

10240

In this part, you will use PowerShell to configure the IMAP4 service. IMAP4 keeps email stored on the server and allows access from multiple devices. The goal is to start the required services, enable automatic startup, verify settings, enable IMAP4 access for all mailboxes, and restart the services to apply changes.

STEPS:

- 1. Open Exchange Management Shell (EMS) on your Exchange Server (ad07).
- 2. Start the IMAP4 and IMAP4 Backend services:

Start-Service MSExchangeIMAP4 Start-Service MSExchangeIMAP4BE

```
[PS] C:\Users\Administrator>Start-Service MSExchangeIMAP4
WARNING: Waiting for service 'Microsoft Exchange IMAP4 (MSExchangeIMAP4)' to start...
WARNING: Waiting for service 'Microsoft Exchange IMAP4 (MSExchangeIMAP4)' to start...
WARNING: Waiting for service 'Microsoft Exchange IMAP4 (MSExchangeIMAP4)' to start...
[PS] C:\Users\Administrator>Start-Service MSExchangeIMAP4BE
WARNING: Waiting for service 'Microsoft Exchange IMAP4 Backend (MSExchangeIMAP4BE)' to start...
WARNING: Waiting for service 'Microsoft Exchange IMAP4 Backend (MSExchangeIMAP4BE)' to start...
WARNING: Waiting for service 'Microsoft Exchange IMAP4 Backend (MSExchangeIMAP4BE)' to start...
[PS] C:\Users\Administrator>_
```

These services handle IMAP client connections and communication with the mailbox databases.

3. Set both services to start automatically after every reboot:

```
Set-Service MSExchangeIMAP4 -StartupType Automatic
Set-Service MSExchangeIMAP4BE -StartupType Automatic
```

```
[PS] C:\Users\Administrator>Set-Service MSExchangeIMAP4 -StartupType Automatic
[PS] C:\Users\Administrator>Set-Service MSExchangeIMAP4BE -StartupType Automatic
```

4. View the current IMAP4 server configuration:

Get-ImapSettings | Format-List

```
[PS] C:\Users\Administrator>Get-ImapSettings | Format-List
RunspaceId
                                                        : 5a366c53-39c7-43ce-bde4-f8708ff6b2d5
ProtocolName
                                                            IMAP4
Name
                                                           False
{[::]:143, 0.0.0.0:143}
{[::]:993, 0.0.0.0:993}
{ad07.domain07.local:993:SSL, ad07.domain07.local:143:TLS}
{}
MaxCommandSize
ShowHiddenFoldersEnabled
UnencryptedOrTLSBindings
SSLBindings
InternalConnectionSettings
ExternalConnectionSettings
X509CertificateName
                                                           ad07
                                                            The Microsoft Exchange IMAP4 service is ready.
Banner
LoginType
AuthenticatedConnectionTimeout
                                                           SecureLogin
                                                           00:15:00
00:01:00
PreAuthenticatedConnectionTimeout
MaxConnections
MaxConnectionFromSingleIP
                                                            600
                                                           300
MaxConnectionsPerUser
MessageRetrievalMimeFormat
                                                           BestBodyFormat
ProxyTargetPort
CalendarItemRetrievalOption
                                                           1993
                                                           iCalendar
OwaServerUrl
EnableExactRFC822Size
LiveIdBasicAuthReplacement
                                                           False
False
                                                           False
SuppressReadReceipt
ProtocolLogEnabled
EnforceCertificateErrors
                                                           False
                                                           False
                                                           C:\Program Files\Microsoft\Exchange Server\V15\Logging\Imap4 Hourly 0 B (0 bytes)
LogFileLocation
LogFileRollOverSettings
LogPerFileSizeQuota
ExtendedProtectionPolicy
EnableGSSAPIAndNTLMAuth
                                                           None
                                                           True
AD07
Server
AdminDisplayName
                                                          0.10 (14.0.100.0)
CN=1,CN=IMAP4,CN=Protocols,CN=AD07,CN=Servers,CN=Exchange
Administrative Group (FYDIBOHF23SPDLT),CN=Administrative
Groups,CN=AD07-Exchange,CN=Microsoft
Exchange,CN=Services,CN=Configuration,DC=domain07,DC=local
Exchangeversion
DistinguishedName
                                                           AD07\1
af522dab-3d72-4edb-9e0f-c00d77320d07
domain07.local/Configuration/Schema/ms-ExchappeopleCfg-IMAP-
Identity
Guid
ObjectCategory
```

This confirms configuration values like login type, timeout, and connection settings.

5. Enable IMAP4 for all user mailboxes:

Get-CASMailbox -ResultSize Unlimited | Set-CASMailbox -ImapEnabled \$true

[PS] C:\Users\Administrator>Get-CASMailbox -ResultSize Unlimited | Set-CASMailbox -ImapEnabled \$tru e [PS] C:\Users\Administrator>_

This allows every mailbox in the organization to connect using IMAP4.

[PS] C:\Users\Administrator>Get-CASMailbox -Identity atohme | fl Name,ImapEnabled
Name : Antoine Tohme
ImapEnabled : True

6. Restart both services to apply any changes:

Restart-Service MSExchangeIMAP4
Restart-Service MSExchangeIMAP4BE

```
[PS] C:\Users\Administrator>Restart-Service MSExchangeIMAP4
WARNING: Waiting for service 'Microsoft Exchange IMAP4 (MSExchangeIMAP4)' to start...
WARNING: Waiting for service 'Microsoft Exchange IMAP4 (MSExchangeIMAP4)' to start...
WARNING: Waiting for service 'Microsoft Exchange IMAP4 (MSExchangeIMAP4)' to start...
[PS] C:\Users\Administrator>Restart-Service MSExchangeIMAP4BE
WARNING: Waiting for service 'Microsoft Exchange IMAP4 Backend (MSExchangeIMAP4BE)' to start...
WARNING: Waiting for service 'Microsoft Exchange IMAP4 Backend (MSExchangeIMAP4BE)' to start...
WARNING: Waiting for service 'Microsoft Exchange IMAP4 Backend (MSExchangeIMAP4BE)' to start...
[PS] C:\Users\Administrator>_
```

EXERCISE 3 - TESTING POP3 AND IMAP4 ON WINDOWS 11

OBJECTIVE:

Test Exchange client access by configuring and validating POP3 and IMAP4 connectivity

using Outlook Classic on a domain-joined Windows 11 client.

EXPLANATION:

In this task, you will:

- Export and install the Exchange SSL certificate
- Disable the NAT adapter to force LAN-based access
- Configure Outlook Classic with POP3 and IMAP4 profiles
- Verify message transmission and folder synchronization

IMPORTANT - DISABLING THE NAT ADAPTER:

Ethernet1 (192.168.5.150) is your NAT adapter.

To ensure Outlook connects over LAN only (Ethernet0 - 192.168.7.1), disable NAT during testing.

```
To disable NAT via PowerShell:
Disable-NetAdapter -Name "Ethernet1" -Confirm:$false
```

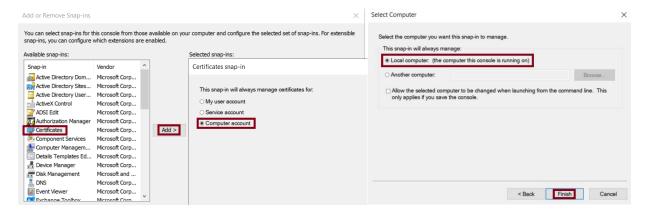
```
To re-enable NAT after testing:
Enable-NetAdapter -Name "Ethernet1" -Confirm:$false
```

This ensures Outlook and SMTP/POP3/IMAP4 connections use the lab environment.

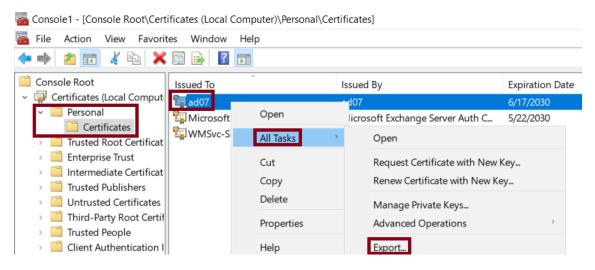
```
Lab 05A - Certificate Trust and Secure OWA Access
```

STEPS:

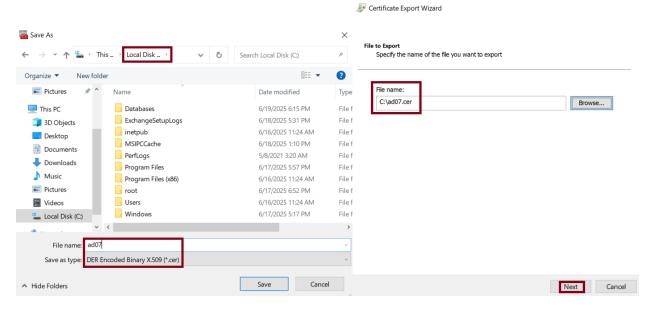
- 1. On the Exchange Server (ad07):
 - Disable the NAT adapter as shown above.
- 2. Open MMC and export the Exchange SSL certificate:
 - Start > Run > mmc
- File > Add/Remove Snap-in > Certificates > Computer Account > Local Computer



- Navigate to Personal > Certificates
- Right-click the certificate issued to ad07.domain07.com
- Select All Tasks > Export



- Select: "No, do not export the private key"
- Format: DER encoded binary X.509 (.CER)
- Save the file and transfer to Windows 11
- File name: ad07.cer
- Save the file to C:\ and transfer it to the Windows 11 VM $using \ad07.domain07.com\c$



3. Transfer the certificate to Windows 11:

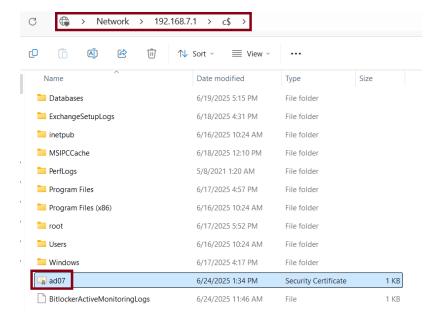
- Log in to the Windows 11 VM as: Administrator@domain07.local
- On the desktop, open File Explorer
- In the address bar, type:
 \\192.168.7.1\c\$

Q \\192.168.7.1\c\$

- Press Enter and wait **for** the server's C:\ drive to open
- When prompted, enter domain credentials (e.g.,

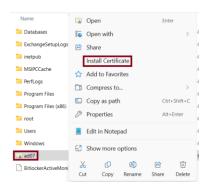
Administrator@domain07.local)

- Locate the certificate file (ad07.cer) on the Exchange server
- Copy it to the Windows 11 Desktop for easy access in the next step



4. On the Windows 11 VM:

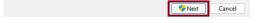
- Right-click the ad07.cer file and select "Install Certificate"



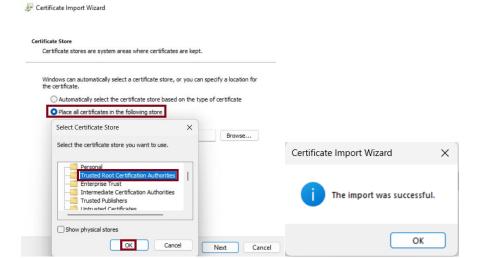
- Select "Local Machine" when prompted



To continue, click Next.

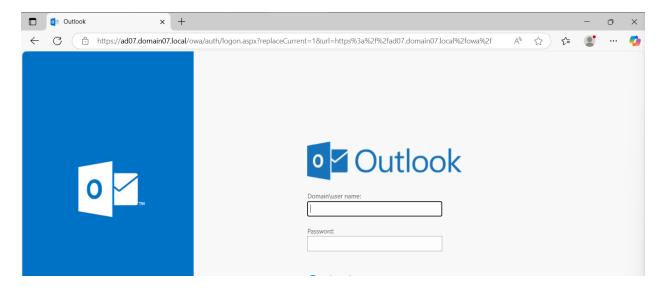


- When the Certificate Store screen appears, choose:
 "Place all certificates in the following store"
- Browse to and select: **Trusted Root Certification Authorities**
- Complete the wizard and confirm successful import



5. Confirm certificate trust:

- Open Microsoft Edge or Google Chrome
- Navigate to: https://ad07.domain07.local
- The page should load successfully without any certificate warnings



Lab 05B - Configure Outlook Classic - POP3 and IMAP4

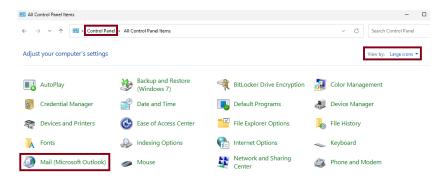
- 6. Log out of the Administrator session and log in as a test user:
 - For example: atohme@domain07.local (created in Lab 3)



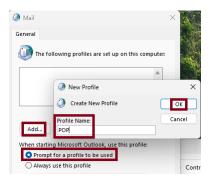
- 7. Configure a POP3 profile in Outlook Classic:
- Open Microsoft Word and sign ${\tt in}$ ${\tt using}$ your John Abbott account to activate Office



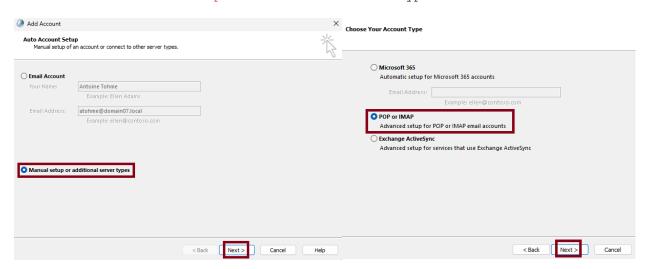
- Close Word
- Go to Control Panel > Mail (View by: Large icons)



- Click "Prompt for a profile to be used" > Add > Name: POP3



- Select: "Manual setup or additional server types"



- Enter the following account settings:

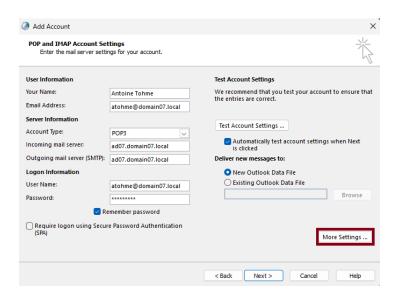
Account Type : POP3

Your Name : Antoine Tohme

Email Address : atohme@domain07.local
Incoming mail server : ad07.domain07.local
Outgoing mail server : ad07.domain07.local
Username : atohme@domain07.local

Password : [Users Password]

Remember Password : Checked



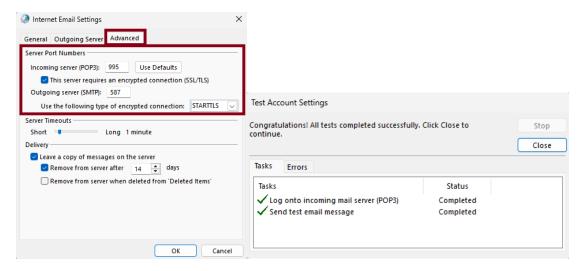
- Click "More Settings"
 - Outgoing Server tab: Enable "My outgoing server (SMTP) requires authentication"



- Advanced tab:

- Incoming server: 995 with SSL

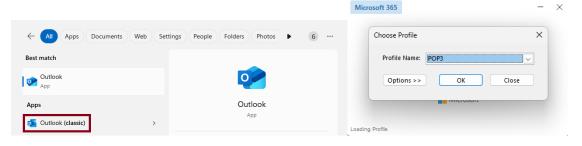
- Outgoing server: 587 with STARTTLS



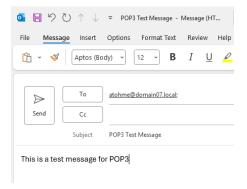
- Click OK > Next > Finish

8. Test POP3:

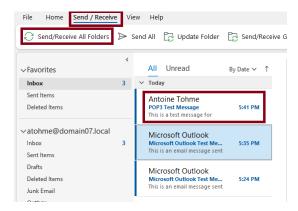
- Open Outlook and select the POP3 profile



- Send an email to yourself

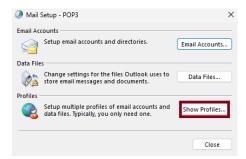


- Click "Send/Receive All Folders" to download the message from the server

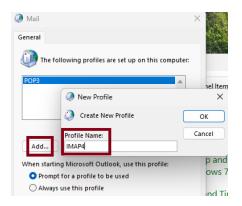


9. Configure an IMAP4 profile:

- Close Outlook
- Go back to Control Panel > Mail > Show Profiles > Add



- Name the profile: IMAP4



- Select: "Manual setup or additional server types" > POP or IMAP > Next

- Update the following fields:

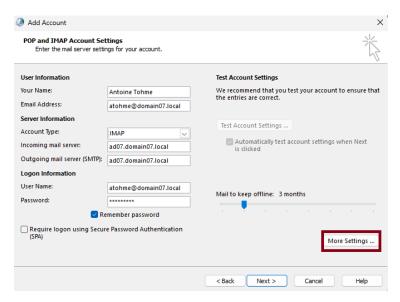
Account Type: IMAP

Incoming mail server: ad07.domain07.local
Outgoing mail server: ad07.domain07.local

Username: atohme@domain07.local

Password: ******

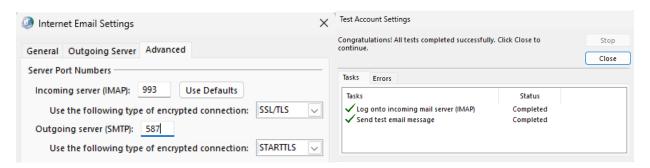
Remember password: Checked



- Click More Settings > Outgoing Server tab: Enable "My outgoing server (SMTP) requires authentication"



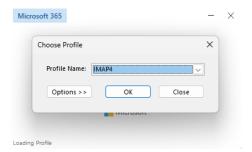
- Advanced tab settings: Incoming server (IMAP): 993 with SSL Outgoing server (SMTP): 587 with STARTTLS



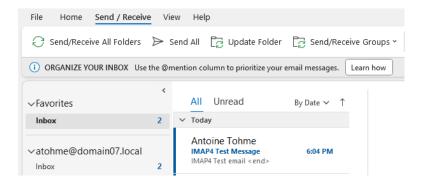
- Click OK > Next > Finish

10. Test IMAP4:

- Open Outlook and select the IMAP4 profile

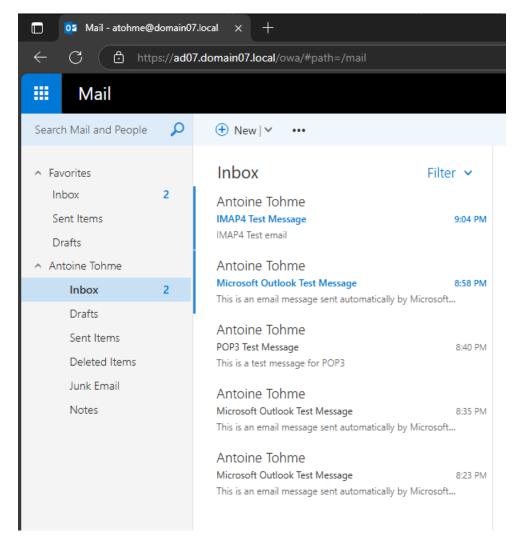


- Send a test email to yourself
- Click "Send/Receive All Folders"



Verification of IMAP Folder Synchronization using OWA

- 1. On the Windows 11 Client VM, open Microsoft Edge or Google Chrome.
- 2. In the address bar, type the following URL and press Enter: https://ad07.domain07.local/owa
- 3. When prompted, log in using the test user credentials: Username: atohme@domain07.local Password: <User Password>
- 4. Once logged in, check that:
 - The test email you sent to yourself via IMAP appears in the Inbox.
 - Any additional folders created in Outlook are visible here as well.



This confirms that messages and folder structure are stored on the Exchange Server $\,$

and not just locally on the client machine.

EXERCISE 4 - CONFIGURING AND TESTING MAPI OVER HTTP

OBJECTIVE:

Enable and verify MAPI/HTTP connectivity for Outlook clients

STEPS:

Step 1 - Check MAPI/HTTP Status at the Organization Level

This command verifies whether the MAPI/HTTP protocol is currently enabled at the Exchange organization level.

Get-OrganizationConfig | Format-List MapiHttpEnabled

[PS] C:\Users\Administrator>Get-OrganizationConfig | Format-List -Property MapiHttpEnabled MapiHttpEnabled : True

Step 2 - Configure the MAPI Virtual Directory with the External URL

This command sets the External URL used by Outlook clients to connect over MAPI/HTTP.

Set-MapiVirtualDirectory -Identity "mapi (Default Web Site)" -ExternalUrl https://ad07.domain07.com/mapi -IISAuthenticationMethods Negotiate

```
[PS] C:\Users\Administrator>Set-MapiVirtualDirectory -Identity "mapi (Default Web Site)" -ExternalUrl https://ad07.domain07.com/mapi -IISAuthenticationMethods Negotiate
[PS] C:\Users\Administrator>
```

Step 3 - Verify MAPI Internal and External URLs

This command displays the current internal and external URLs **for** the MAPI virtual directory to confirm configuration.

Get-MapiVirtualDirectory -Identity "mapi (Default Web Site)" | Format-List Server, InternalUrl, ExternalUrl

Step 4 - Configure AutoDiscover Provider Settings

This command updates the Outlook AutoDiscover provider configuration to advertise the correct server URL.

Set-OutlookProvider exch -Server "ad07.domain07.com"

[PS] C:\Users\Administrator>Set-OutlookProvider exch -Server "ad07.domain07.com"

Step 5 - Enable MAPI/HTTP Protocol for All Mailboxes

This command enables MAPI/HTTP access **for** every mailbox **in** the organization. Get-Mailbox | Set-CASMailbox -MapiHttpEnabled **\$true**

Step 6 - Test the MAPI/HTTP Configuration

This command runs a built-in probe from the server to verify that MAPI/HTTP connectivity is functioning.

Test-OutlookConnectivity -RunFromServerId ad07 -ProbeIdentity OutlookMapiHttpSelfTestProbe

<pre>[PS] C:\Users\Administrator>Test-Outlook@ piHttpSelfTestProbe</pre>	Connectivity -Ru	ınFromServerId ad ı	07 -ProbeIdentity	OutlookMa
MonitorIdentity	StartTime	EndTime	Result	Erro r
 OutlookMapiHttp.Protocol\OutlookMapiH	6/25/2025 1:	6/25/2025 1:	 Succeeded	

Step 7 - Restart IIS to Apply Changes

Restart IIS-related services manually **if** needed Restart-Service w3svc Restart-Service WAS

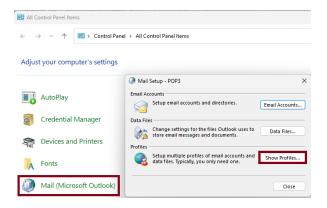
Step 8 - Lab 05C Begins Here: Configure Outlook Classic - MAPI/HTTP Continue with the Windows 11 client to configure and test MAPI/HTTP connectivity in Outlook Classic.

Explanation:

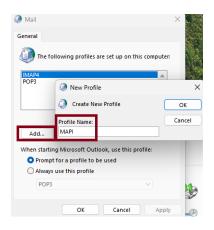
This lab validates MAPI over HTTP **using** Outlook Classic on a Windows 11 client. The test confirms that the Autodiscover service and Exchange MAPI virtual directory are functioning correctly. Instead of choosing "Manual Setup," we allow Outlook to automatically retrieve the settings via Auto Account Setup.

Execution:

- 1. On the Windows 11 client, open Control Panel.
- 2. Go to: Mail > Show Profiles > Add

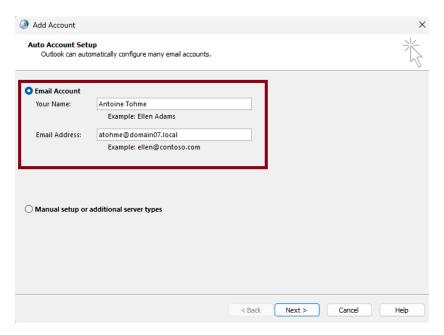


3. Enter the profile name: MAPI



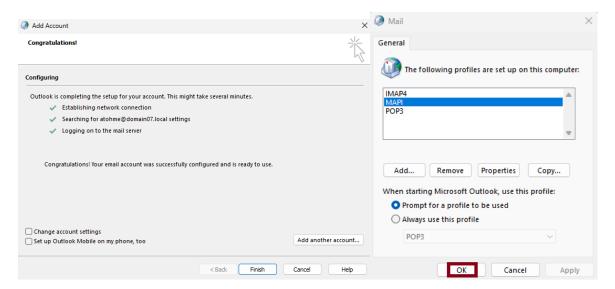
4. On the Auto Account Setup screen:

- Select: Email Account (default)
- Your Name: Antoine Tohme
- Email Address: atohme@domain07.local



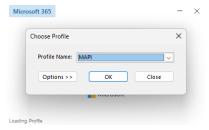
5. Click Next.

- 6. If prompted, enter the test user's password.
- 7. Wait for Outlook to complete the configuration using Autodiscover.
- 8. Once successful, click Finish.

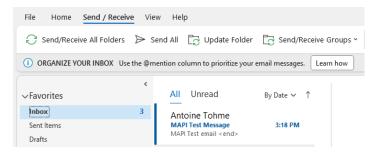


Step 9 - Launch Outlook and Confirm Profile

1. Open Outlook and choose the profile: MAPI



- 2. Allow Outlook to load the mailbox.
- 3. Send a test email to yourself (e.g., atohme@domain07.local).
- 4. Confirm that the message appears in both Inbox and Sent Items.
- 5. Click: Send/Receive All Folders to ensure synchronization with the Exchange server.



Step 10 - Confirm MAPI over HTTP is in use

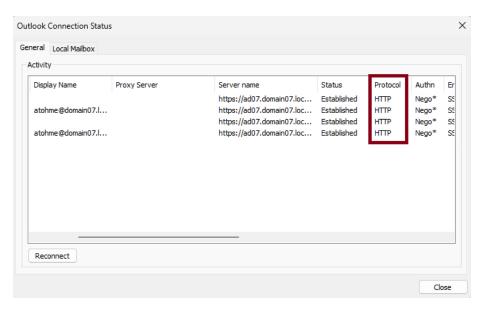
Hold down the Ctrl key and right-click the Outlook icon ${\bf in}$ the system tray near the clock

Click on Connection Status from the context menu



 ${\bf In}$ the Outlook Connection Status window that appears, locate the Protocol column

Verify that the protocol used is HTTP



This confirms that Outlook is successfully connected to Exchange using the MAPI over HTTP protocol

Step 11 - Final Verification via OWA

Explanation:

This step ensures that Outlook is fully synchronized with the Exchange Server using MAPI over HTTP.

By comparing the contents of Outlook Classic with the Outlook Web App (OWA), we confirm that server-based storage is functioning correctly.

Execution Steps:

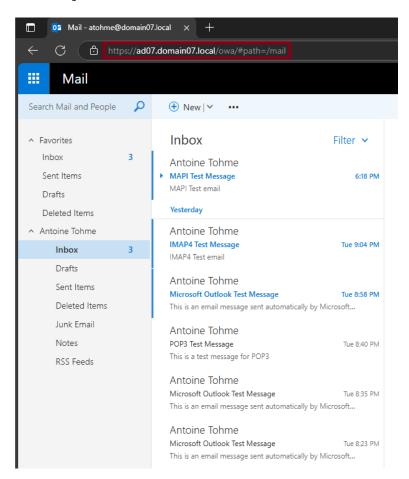
- 1. Open Microsoft Edge or Google Chrome on the Windows 11 client VM.
- 2. In the address bar, enter:

https://ad07.domain07.local/owa

3. When prompted, log in using the test user credentials:

Username: domain07\atohme
Password: [Your Password]

- 4. After logging in, verify that:
 - The Inbox contains the test message you sent from Outlook Classic.
 - The Sent Items folder shows the message as sent.
 - Any other folders created in Outlook are also visible here.



This confirms that the MAPI/HTTP configuration is working properly and that mailbox data is stored and synchronized on the Exchange Server.