

Open ECP

Go to Servers Tab > Click On Virtual Directories

Select Virtual Directory Type >

1: Outlook Web Access

Outlook web access virtual directory is the directory that users access while logging into their mailboxes.

**OWA**

[Set-OwaVirtualDirectory](#)

```
Set-OWAVirtualDirectory -Identity "OWA (default web site)" -ExternalURL  
"https://Microtechx.org/OWA"
```

```
Set-OWAVirtualDirectory -Identity "OWA (default web site)" -InternalURL  
"https://Microtechx.org/OWA"
```

Verification:

Get-OWAVirtualDirectory | Select InternalURL, ExternalURL

## 2: Exchange Control Panel (ecp) or Exchange Admin Center

**ECP** virtual directory is accessed by administrators to configure the Exchange server. Double-click **ecp (Default Web Site)** and configure the URLs.

**OAB**

[Set-OABVirtualDirectory](#)

```
Set-OABVirtualDirectory -Identity "OAB (default web site)" -ExternalURL  
"https://Microtechx.org/OAB"
```

```
Set-OABVirtualDirectory –Identity "OAB (default web site)" -InternalURL  
"https://Microtechx.org/OAB"
```

Verification:

Get- OABVirtualDirectory | Select InternalURL, ExternalURL

### 3: ActiveSync

Exchange ActiveSync is used by mobile clients and devices to synchronize mails, contacts, calendar, etc. Double-click Microsoft-Server-ActiveSync (Default Web Site) and configure the URLs.

#### ActiveSync

[Set-ActiveSyncVirtualDirectory](#)

```
Set-ActiveSyncVirtualDirectory –Identity "Microsoft-Server-ActiveSync (default web site)" -  
ExternalURL "https://Microtechx.org/Microsoft-Server-ActiveSync"
```

```
Set-ActiveSyncVirtualDirectory –Identity "Microsoft-Server-ActiveSync (default web site)" -  
InternalURL https://Microtechx.org/Microsoft-Server-ActiveSync
```

Verification:

Get-ActiveSyncVirtualDirectory | Select InternalURL, ExternalURL

### 4: Offline Address Book (OAB)

**OAB** virtual directory is used to distribute offline address book for mailbox users. The address book is distributed to user's office outlook application so that users can use the address book even when they are not connected to the Exchange server. Double-click OAB (Default Web Site) and configure the internal and external URLs.

#### OAB

[Set-OABVirtualDirectory](#)

```
Set-OABVirtualDirectory –Identity "OAB (default web site)" -ExternalURL  
"https://Microtechx.org/OAB"
```

```
Set-OABVirtualDirectory –Identity "OAB (default web site)" -InternalURL  
"https://Microtechx.org/OAB"
```

Verification:

Get-OABVirtualDirectory | Select InternalURL, ExternalURL

## 5: Exchange Web Services (EWS)

Exchange Web Services allows for calendar sharing and other various options provided by Exchange. To configure URLs, double-click EWS (Default Web Site).

**EWS**

[Set-WebServicesVirtualDirectory](#)

External directory not enabled as default.

```
Set-WebServicesVirtualDirectory –Identity "EWS (default web site)" -ExternalUrl  
"https://Microtechx.org/ews/exchange.asmx"
```

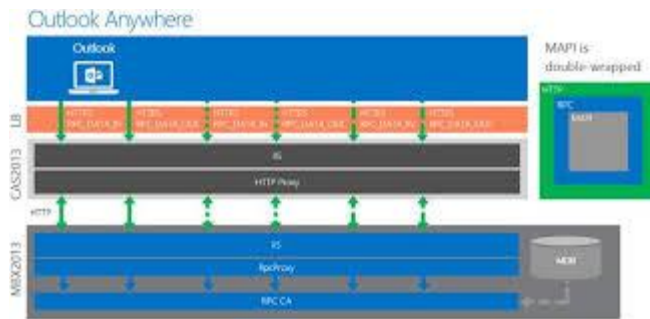
```
Set-WebServicesVirtualDirectory –Identity "EWS (default web site)" -InternalUrl  
"https://Microtechx.org/ews/exchange.asmx"
```

Verification:

Get-WebServicesVirtualDirectory | Select InternalURL, ExternalURL

## 6: Outlook Anywhere

Outlook Anywhere feature lets users out on the Internet to send and receive Exchange emails without requiring a VPN connection to the company network. Office outlook 2007, 2010 and 2013 is used to connect to Exchange server from the Internet.



## Step 7: Auto Discover

AutoDiscover feature in Exchange 2013 let's client application such as Office Outlook 2007, 2010 and 2013 to connect to Exchange server automatically. AutoDiscover feature automatically discovers the mailbox settings for user profile in Office Outlook application. AutoDiscover also works for supported mobile applications. In Exchange 2013, you can configure SCP for **AutoDiscover** service via Exchange Management Shell. The command below will update SCP (Service Connection Point) object. SCP is active directory object and is used by internal domain-joined clients to retrieve autodiscover URL.

### Autodiscover

#### [Set-AutodiscoverVirtualDirectory](#)

Not enabled as default. Please note that autodiscover must be set as an A-record in your DNS. Also note that you do not provide an url for this.

```
Set-AutodiscoverVirtualDirectory -Identity 'autodiscover (default Web site)'
```

Verification:

Get-AutodiscoverVirtualDirectory | Select InternalURL, ExternalURL

### MAPI/HTTP

#### [Mapi over HTTP](#)

Messaging Application Programming Interface (MAPI) over HTTP is a transport protocol that improves the reliability and stability of the Outlook and Exchange connections by moving the transport layer to the industry-standard HTTP model. This allows a higher level of visibility of transport errors and enhanced recoverability. Additional functionality includes support for an

explicit pause-and-resume function. This enables supported clients to change networks or resume from hibernation while maintaining the same server context.

Not enabled as default. Requires Exchange 2013 SP1. Clients must be Outlook 2013 or newer.

Fall back is OutlookAnywhere for older clients.

```
Set-MapiVirtualDirectory -Identity "mapi (Default Web Site)" -InternalUrl  
"https://Microtechx.org/mapi" -IISAuthenticationMethods NTLM,Negotiate
```

Verification:

Get-MapiVirtualDirectory | Select InternalURL, ExternalURL

After setting up the VirtualDirectory you need to enable it:

```
Set-OrganizationConfig -MapiHttpEnabled $true
```

Restart IIS Services .....