

Microsoft Outlook Web Access 2016 Installation Guide

SecurAccess Integration Guide

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1.1 Solution Summary

SecurEnvoy's SecurAccess MFA provides Two Factor Authentication for remote access solutions (such as OWA 2016)

The software used for the integration process is listed below:

OWA 2016
SecurEnvoy Microsoft Server Agent
Microsoft Exchange Server 2016
Microsoft Internet Information Services

SecurEnvoy
SecurEnvoy Microsoft Server Agent
SecurAccess software Release V9.3.502

1.2 Guide Usage

The information in this guide describes the configuration required for integration with SecurEnvoy and common to most deployments. It is important to note two things:

- Every organization is different and may require additional or different configuration.
- Some configuration may have other methods to accomplish the same task than those described.

1.3 Prerequisites

The following conditions are required to set up SecurEnvoy's MFA Solution:

- Microsoft Exchange Server 2016
- Microsoft Internet Information Services
- SecurEnvoy SecurAccess Server installed with the RADIUS service
- SecurEnvoy Microsoft Server Agent
- If firewalls are between the SecurEnvoy SecurAccess Server, Active Directory Servers and Exchange Servers additional open ports will be required.

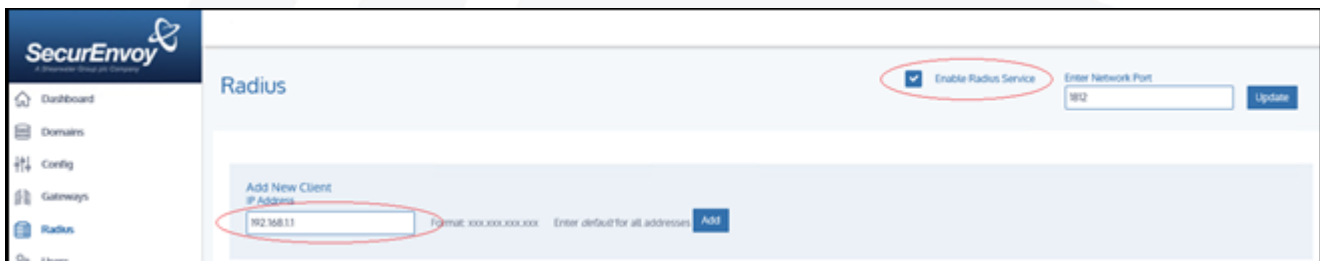
1.4 Authentication

The following section describes the steps required to configure SecurEnvoy Microsoft Server Agent to authenticate users via RADIUS through the SecurEnvoy SecurAccess Solution.

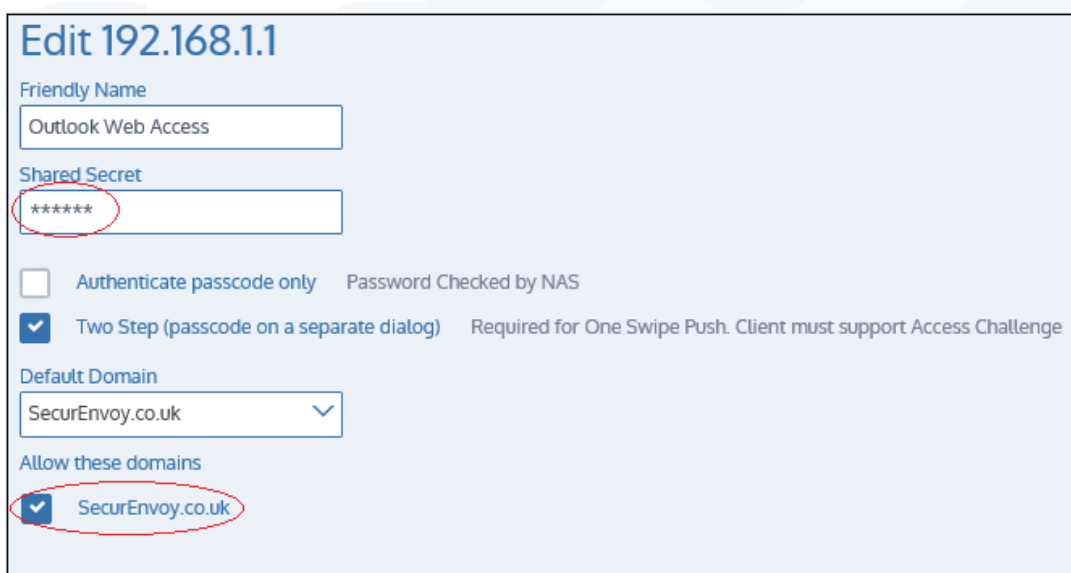
1.41 Setup RADIUS - SecurAccess

Within the SecurAccess configuration, we will need to configure the Outlook Web Access server to communicate and authenticate as an authorised RADIUS client.

- Navigate to RADIUS in the administrator dashboard.
- Ensure the RADIUS Service is enabled in the top right-hand side of the screen and make sure the port number is left as default 1812.
- Enter the IP address of the Outlook Web Access server and click "Add"



- Enter in a shared secret or common password and select the domains that will be authenticated against (if there is more than one domain configured in SecurAccess)
- Click Update

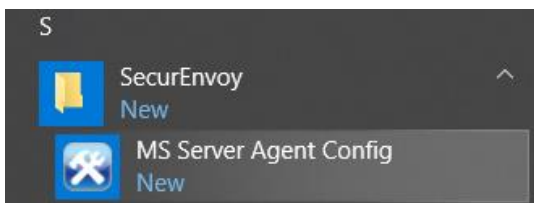


1.42 SecurEnvoy Microsoft Server Agent Installation

From the SecurEnvoy SecurAccess console, locate and run the SecurEnvoy Server Agent installer which can be found in the latest downloaded SecurEnvoy software folder or ZIP file.

securenvoy.zip\Releasex.x.xxx\Agents\Microsoft Server Agent\setup.exe

On successful installation of the agent, locate and run the server agent

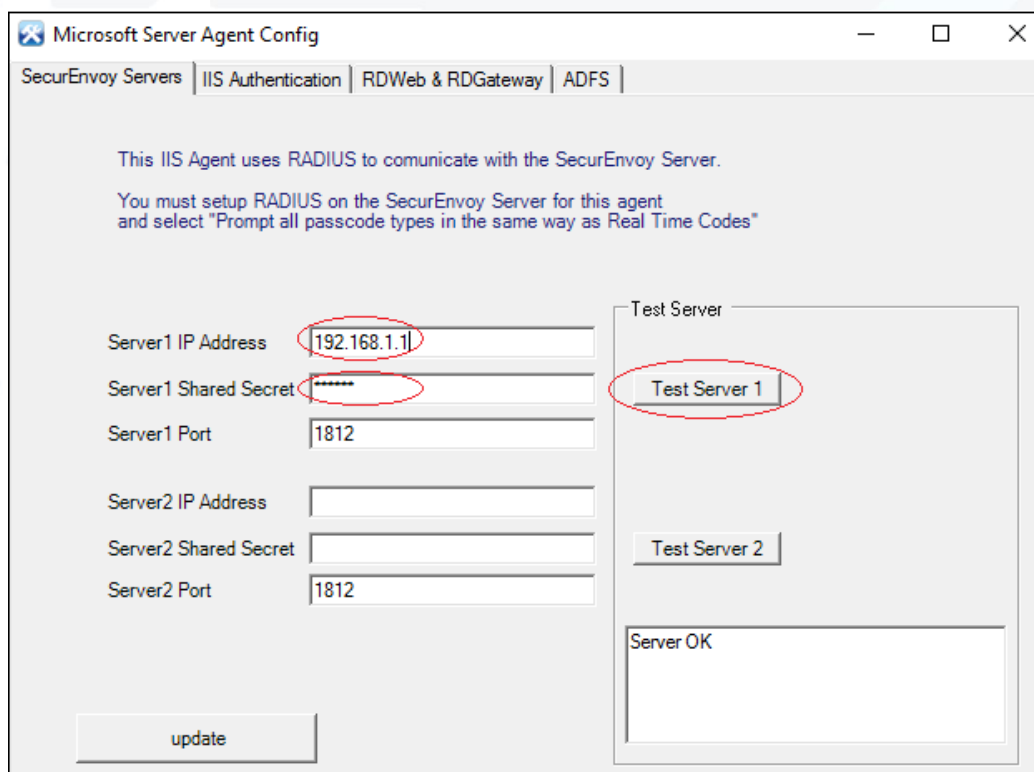


1.43 Setup RADIUS IIS Authentication

From the configuration console, we will configure the details of the SecurEnvoy Server that will authenticate the Outlook Web Access 2016 server.

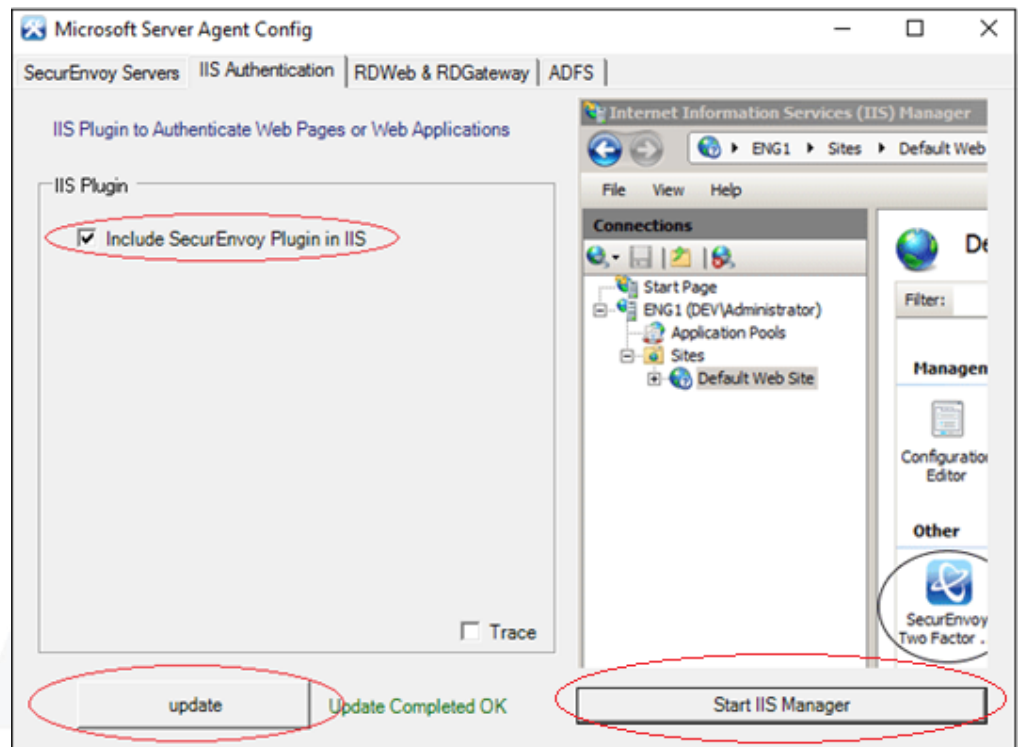
Enter in the IP address of the SecurEnvoy Server and the Shared Secret, configured in section 1.41 of this document.

Once details have been entered click on Test Server 1 to confirm that the SecurAccess server is IP reachable and is accepting authentication challenges with the correct shared key.



By selecting the IIS Authentication tab at the top of the Microsoft Server Agent Config, this will allow us to configure the Microsoft Server Agent to support the redirection of user authentication to SecurEnvoy MFA.

Tick "Include SecurEnvoy Plugin in IIS" and click Update at the bottom of the page

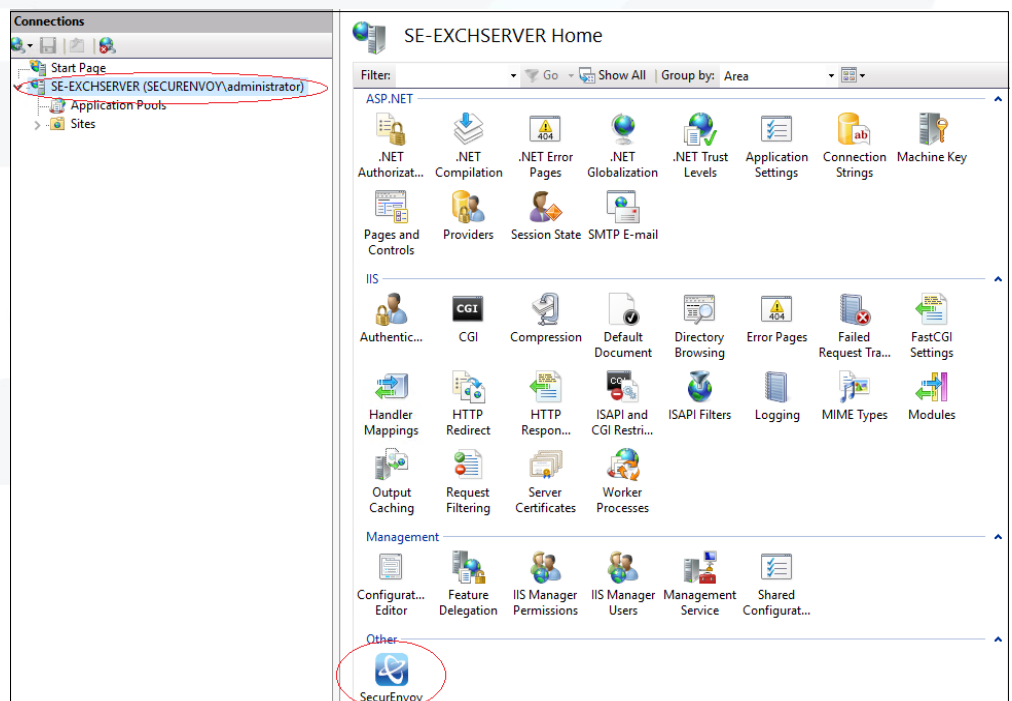


Click on "Start IIS Manager" to load IIS Manager.

1.44 Configure IIS for SecurEnvoy MFA Authentication

On loading of the Internet Information Services Manager, we will look to configure OWA to utilise SecurEnvoy as the Multi-Factor Authentication method.

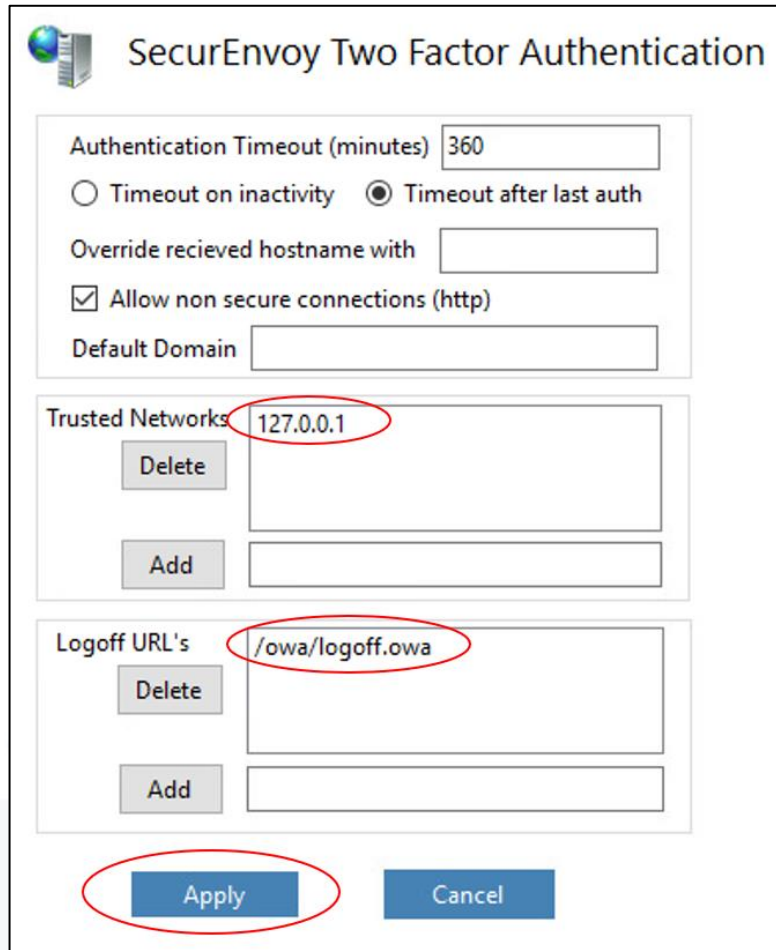
In the "Connections" pane select the top-level name, then in the Centre pane select the SecurEnvoy icon at the bottom of the centre pane.



In centre pane
 "SecurEnvoy Two Factor Authentication" add the two
 following URL's then select
 Apply.

/owa/logoff.owa

Since the release of Outlook
 2013 OWA and ECP use the
 same landing page.
 To stop administrators from
 getting a 2FA challenge
 On ECP entering loopback
 address 127.0.0.1 as a trusted
 site will stop this.



SecurEnvoy Two Factor Authentication

Authentication Timeout (minutes)

☐ Timeout on inactivity ☒ Timeout after last auth

Override recieved hostname with

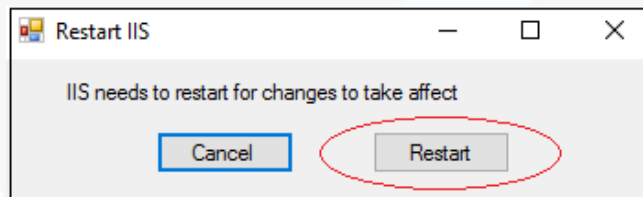
☒ Allow non secure connections (http)

Default Domain

Trusted Networks

Logoff URL's

Select Restart when prompted



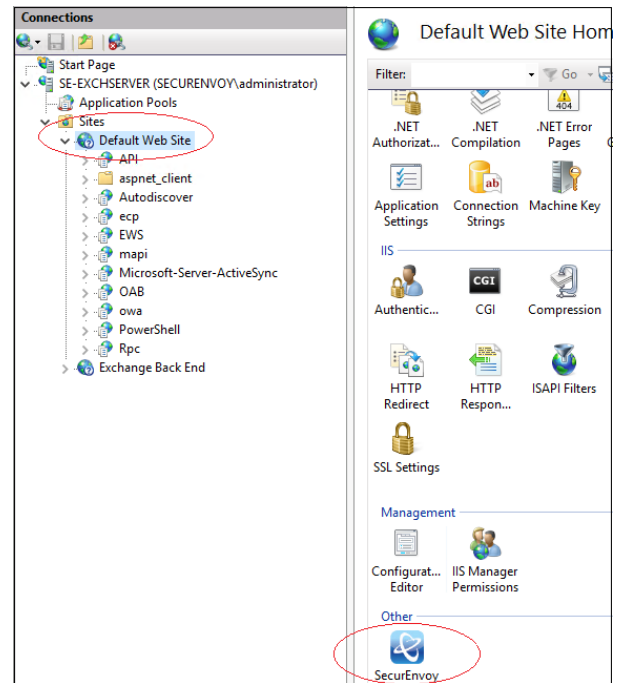
Restart IIS

IIS needs to restart for changes to take affect

Warning - before applying our ISAPI filter:

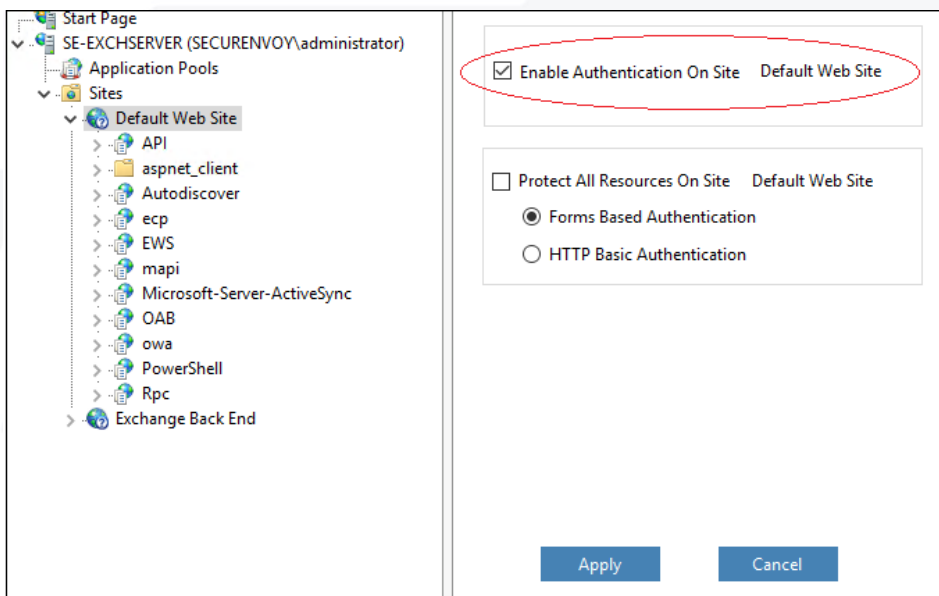
- Recommend installation out-of-hours or least busy times.
- Logout existing OWA users.
- Users that are already logged into OWA will be required to reauthenticate (2fa enabled?) with 2fa.

In "Connections" pane select Default Web Site
 Then in centre pane
 "Default Web Site Home"
 select SecurEnvoy.



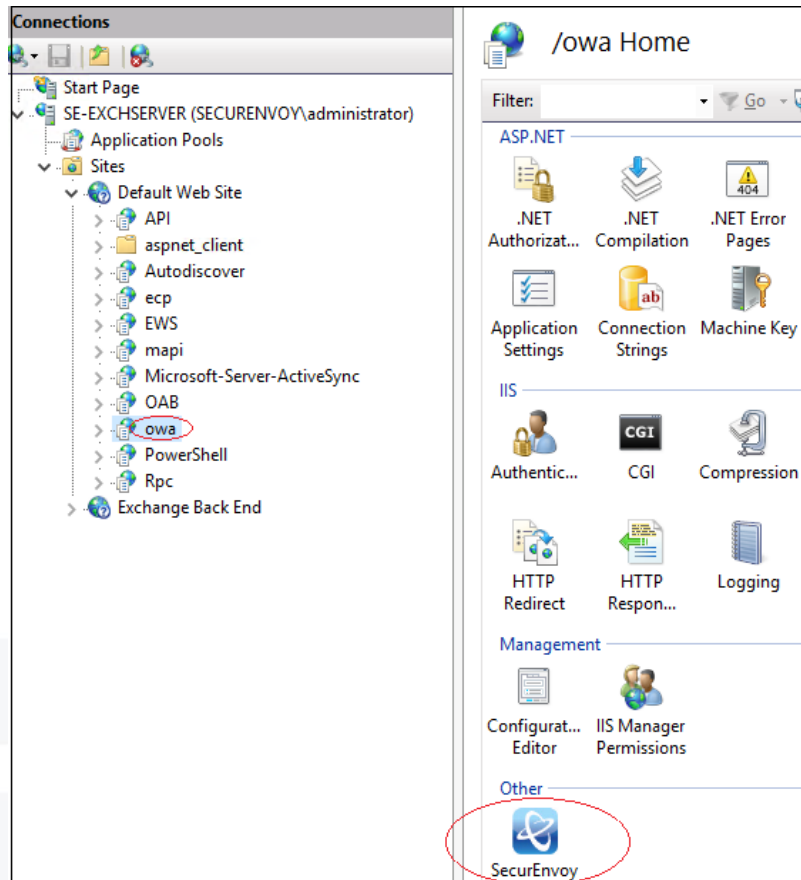
Select tick box Enable Authentication on Site
 then select Apply.

Default Web Site

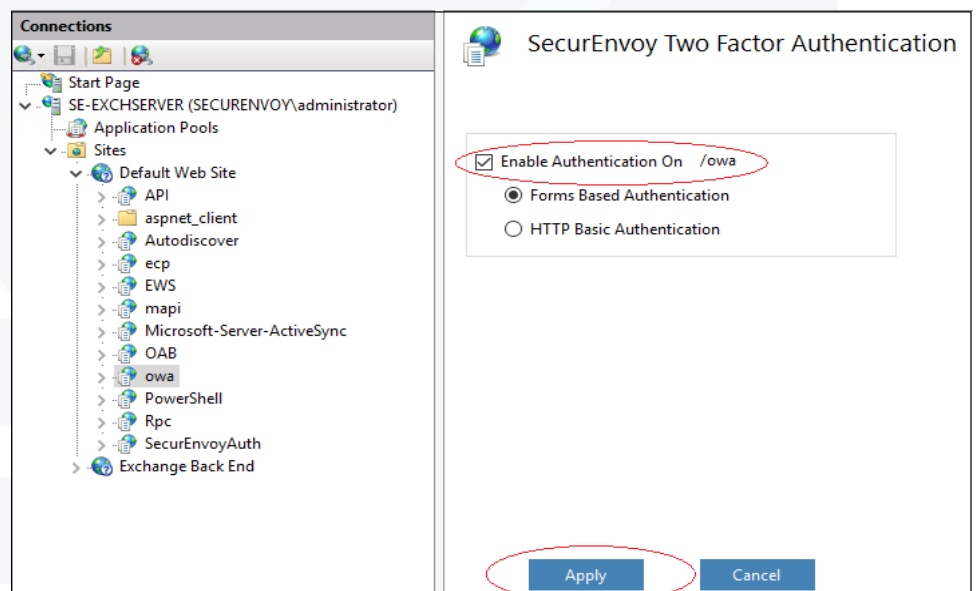


1.46 Configure Outlook Web Access 2016 MFA Authentication

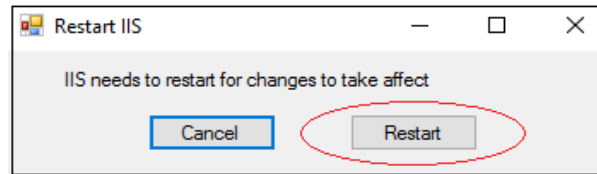
In "Connections" pane select owa, then in centre pane "/owa Home" select SecurEnvoy.



Select Tick Box
Enable Authentication on /OWA
Then select Apply.

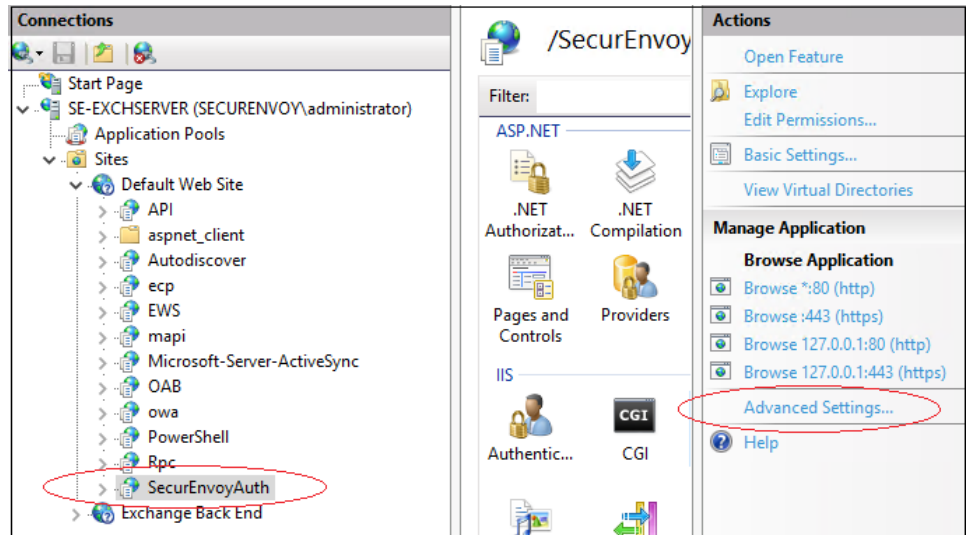


Select Restart when prompted



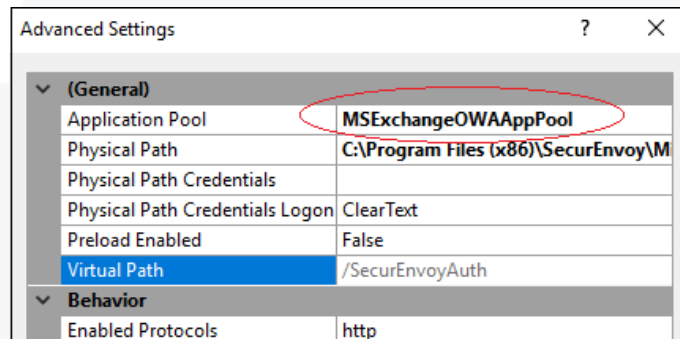
In "Connections" pane select SecurEnvoyAuth

Then in the "Actions" Pane select Advanced Settings



Under the (General) tab

Check that "Application Pool" is set to MSEXchangeOWAAppPool



1.47 Configure Outlook Web Access Templates

On the Exchange Server copy the contents from folder

C:\Program Files (x86)\SecurEnvoy\Microsoft Server Agent\SAMPLES\OWA2016

To folder

C:\Program Files (x86)\SecurEnvoy\Microsoft Server Agent\WEBAUTHTEMPLATE

1.5 Test for Two Factor Authentication

Test the two-factor web authentication by opening a web browser and going to the URL for the web server.

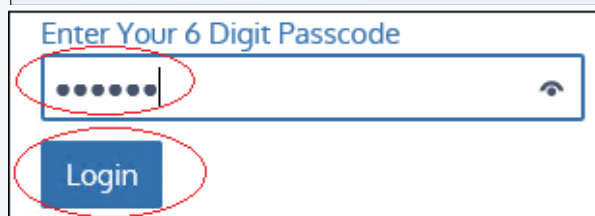
https://your_Server_Name/owa (Don't forget https:)

Enter your UserID and Password:
then select Login.



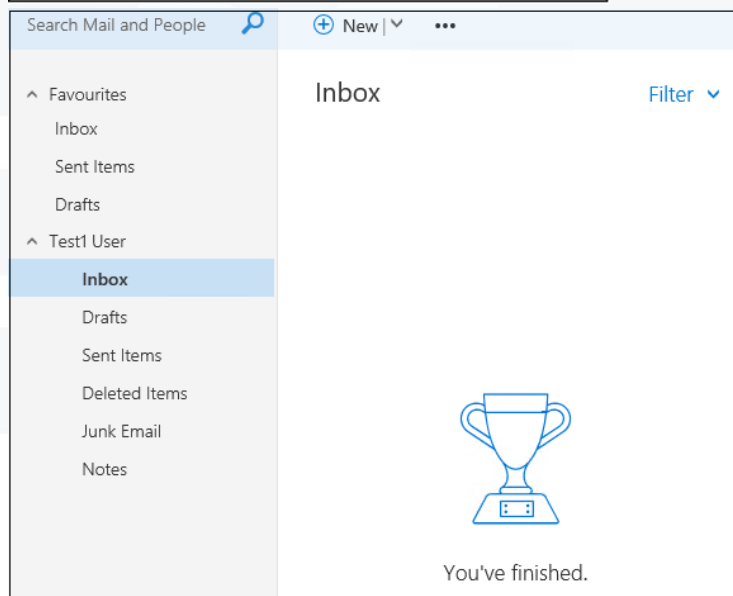
The screenshot shows the 'Two Factor Authentication' page. At the top, there's a SecurEnvoy logo and the title 'Two Factor Authentication'. Below this is the 'Outlook Web App Authentication' section. It features a 'One Swipe' button. The 'UserID' field contains 'User1' and the 'Password' field is masked with dots. A checkbox for 'Use the light version of Outlook Web App' is present. The 'Login' button is highlighted with a red circle. At the bottom, a disclaimer states: 'To protect against unauthorized access, your Outlook Web App session will automatically time out after a period of inactivity. If your session ends, refresh your browser and sign in again.'

Enter Your 6 Digit Code
Then select Login



The screenshot shows the 'Enter Your 6 Digit Passcode' screen. It has a single input field with six dots for the passcode and a 'Login' button below it, both highlighted with red circles.

On a successful authentication
the user will be presented with
OWA 2016



The screenshot shows the Outlook Web App 2016 interface. On the left is a navigation pane with 'Favourites' (Inbox, Sent Items, Drafts) and 'Test1 User' (Inbox, Drafts, Sent Items, Deleted Items, Junk Email, Notes). The 'Inbox' is selected. The main area shows the 'Inbox' with a 'Filter' dropdown and a trophy icon with the text 'You've finished.'

 Note

Configure your domain name by modifying the following line within seiis.ini in folder (C:\Windows):
(Please make a backup copy first)

Default Domain Name to use if no domain information is included in this UserID (leave blank if not required)

DefaultDomain="**yourdomain**"

This will allow your users to logon to OWA without specifying the domain name: **domain**\UserID

Please Reach Out to Your Local SecurEnvoy Team...



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