

Microsoft Forefront UAG – Publishing Microsoft Exchange Server 2010 Outlook Web App

Abstract

In this article I will show you how to publish Microsoft Exchange Server 2010 Outlook Web App with Forefront UAG.

Let's begin

In a previous article published at www.isaserver.org I showed you how to create a portal trunk in Forefront UAG to publish internal applications like Microsoft Sharepoint. In this article I will demonstrate how to publish Outlook Web App from Microsoft Exchange Server 2010 through Forefront UAG.

To publish a Microsoft Exchange Server 2010 Outlook Web App start the Microsoft Forefront UAG Management console go to the HTTPS portal trunk created earlier and click add under in the applications window to start a wizard which will help you to publish different applications in the Forefront UAG portal.

Select Web – Microsoft Exchange Server (all versions) to publish the internal Microsoft Exchange Server 2010 or a Client Access Server (CAS) array of Exchange servers.

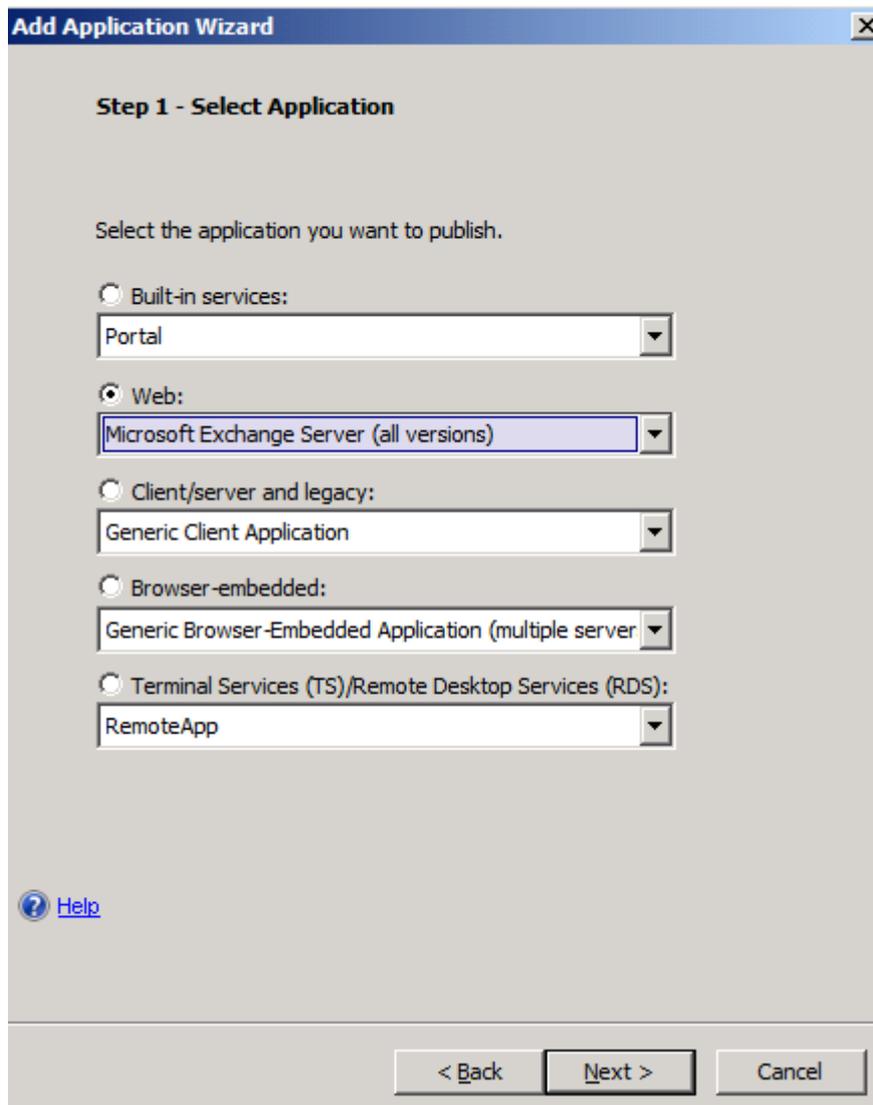


Figure 1: Publish OWA with Forefront UAG

Because we want to publish Exchange Server 2010 Outlook Web App, select Exchange Server 2010 as the version.

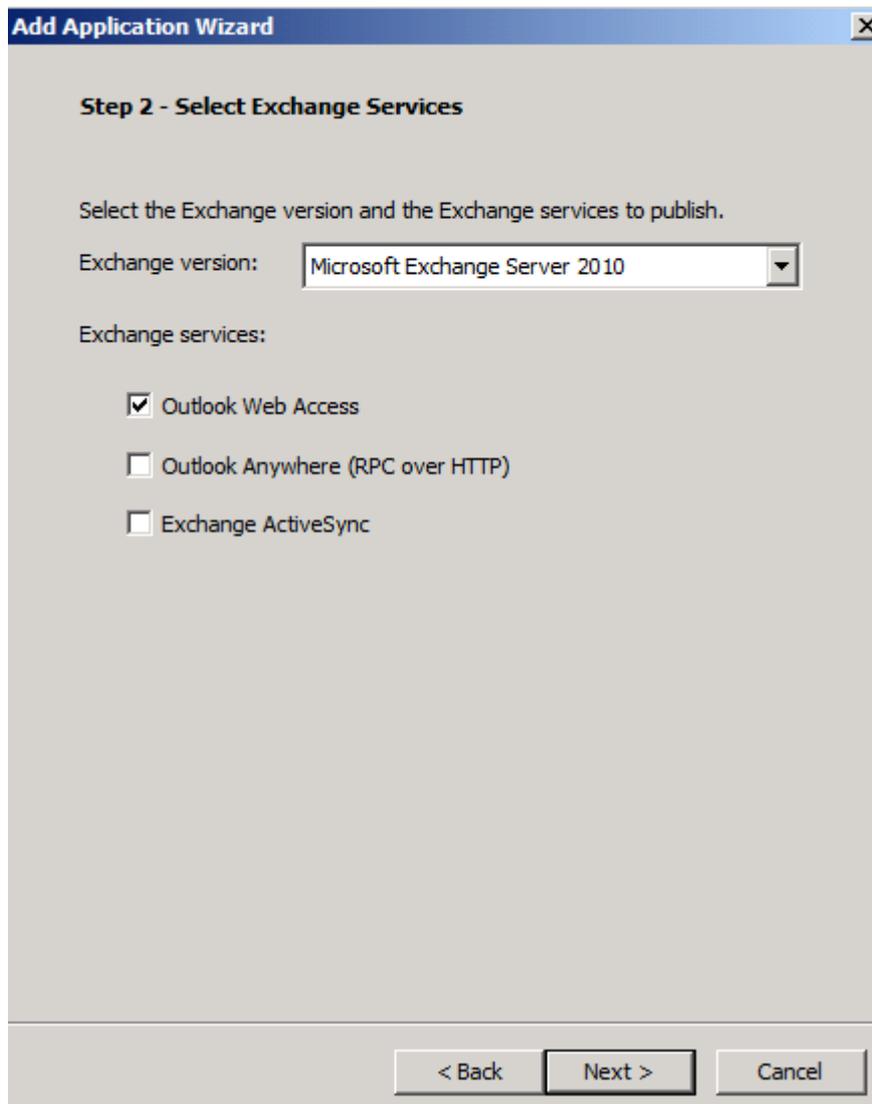


Figure 2: Select the OWA option

Next, we must specify a name for the new application. We will name the application OWA. In Step 3 it is possible to configure endpoint policies for the application. Forefront UAG allows you to create endpoint policies at the port trunk level and at the application level to control access to the portal and the application from external clients. If you are unfamiliar with UAG Endpoint policies leave the settings unchanged.

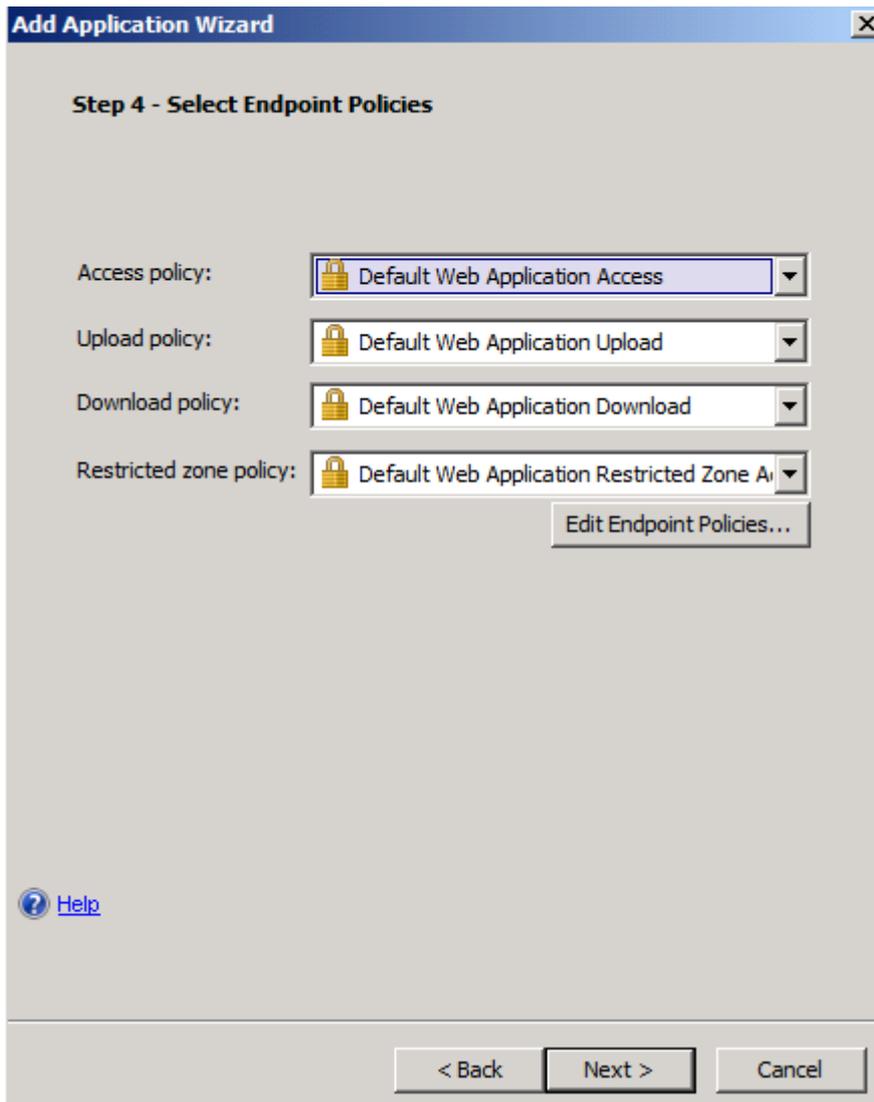


Figure 3: OWA Endpoint policies

Next click configure an application server. In Step 5 enter the FQDN of the internal Microsoft Exchange Server 2010 and the port you would like to use when Forefront UAG should access the internal Exchange Server. If you want to restrict access to a specific path you are able to do this in the UAG configuration wizard. The wizard allows access to all required paths like /OWA, /Exchange, /Public, /Exchweb.

Select configure an application server

Add Application Wizard [X]

Step 6 - Web Servers

Address type: IP/Host Subnet Regular expression

Addresses:

Paths:

HTTP port: HTTPS port:

Public host name: .infraserv.de

To allow access to information protected by rights management, publish the Rights Management Services (RMS) server via Forefront UAG.

[Help](#)

< Back Next > Cancel

Figure 4: Specify the name of the internal Exchange Server

In Step 7 we can use different authentication mechanisms. Because we want to enable SSO (Single Sign On) for users which access the Forefront UAG portal to use the internal Exchange Server 2010.

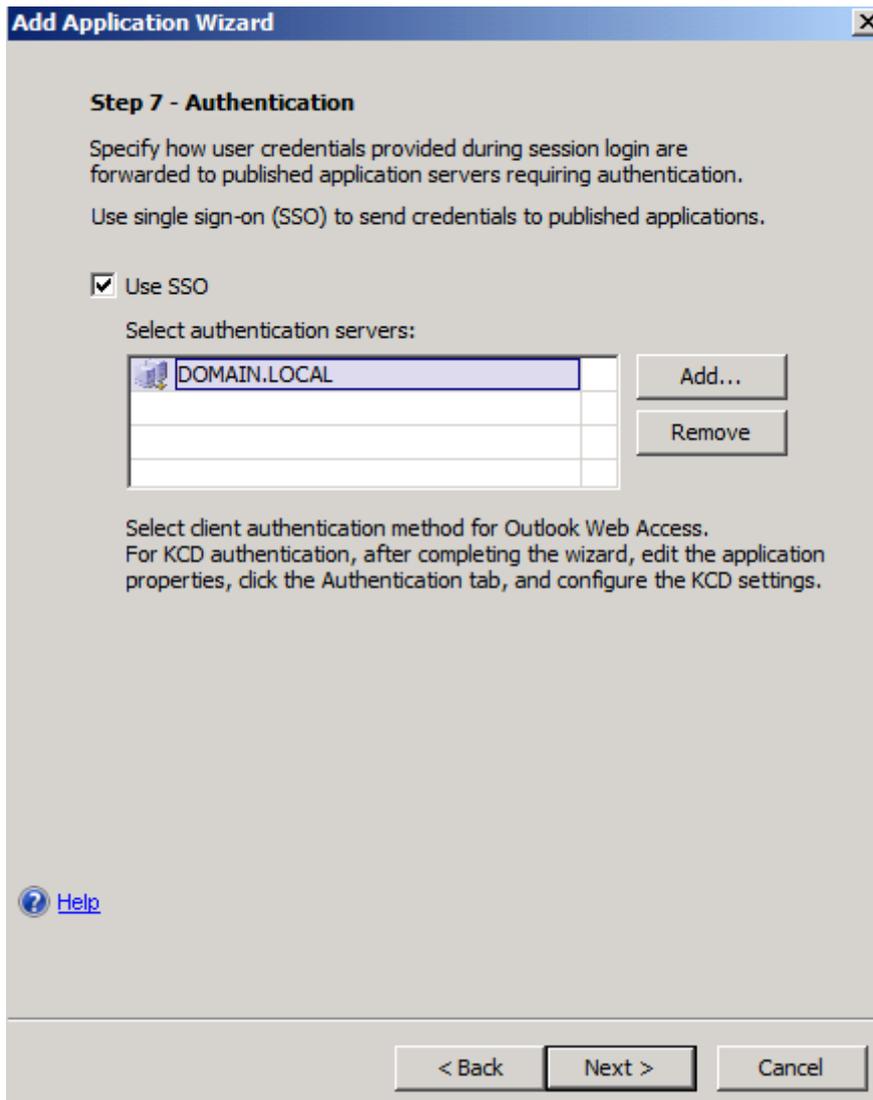


Figure 5: Enable SSO

We would like to add a portal and toolbar link, and if you want to open the Exchange Server 2010 application in a new window it is possible to enable this checkbox.

Add Application Wizard

Step 8 - Portal Link

Add a portal and toolbar link

Portal name:

Folder:

Application URL:

Icon URL:

Short description:

Description:

Open in a new window

[? Help](#)

< Back Next > Cancel

Figure 6: Portal name and portal option

In Step 9 it is possible to configure the authorization settings to access the application in the portal. If you would like to grant all authenticated users access to the Outlook Web App application leave the default setting unchanged. If you want to only grant specific users and user groups access to the Outlook Web App application uncheck the checkbox and select the users and usergroups from the previous created repository to grant or deny them access to the Outlook Web App application.

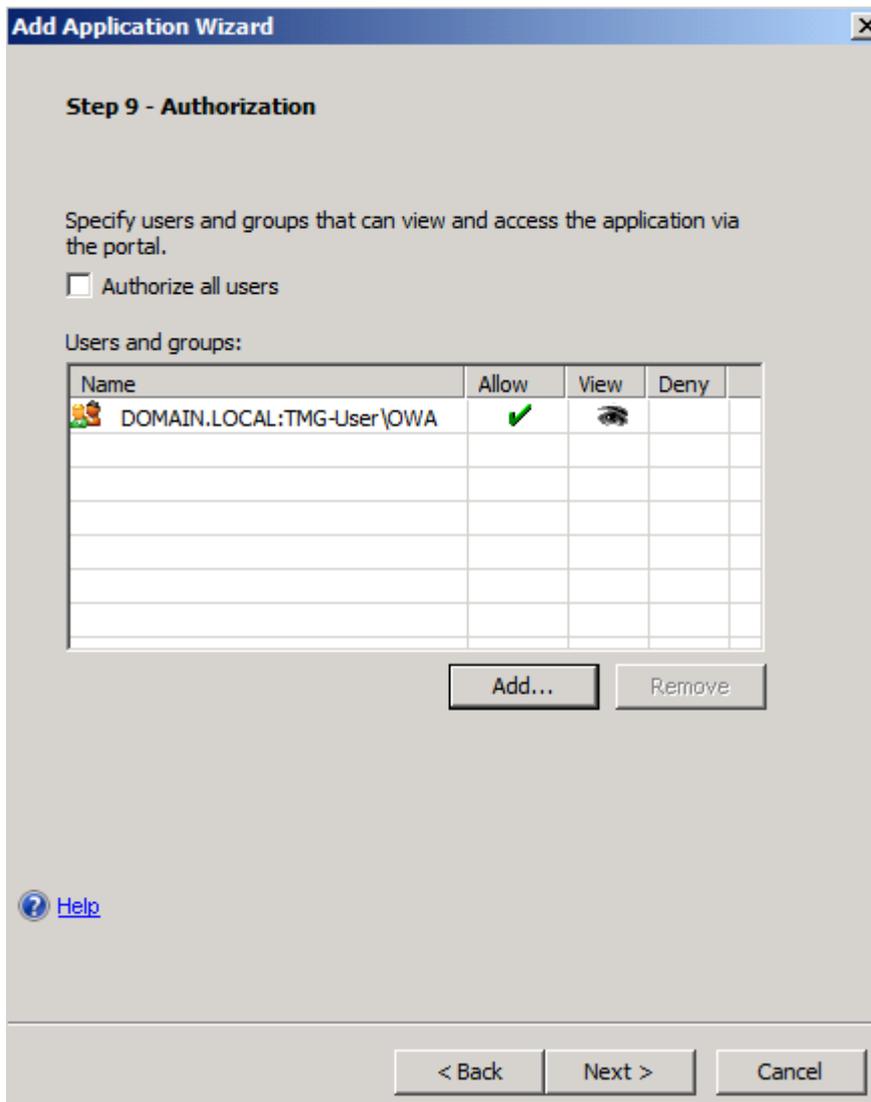


Figure 7: Allow only specific user groups and users access to Outlook Web App

Click Finish.

We must now save the configuration to store the changes to the Forefront UAG configuration. Click the floppy symbol to save the configuration. After that we can activate the configuration so that all changes will be effective after a short amount of time. To activate the configuration click the button right from the floppy symbol.

After the application has been created in the portal we are now able to customize the settings of the Outlook Web App application. I will only give you some high level steps for application customization.

The Web Settings tab allows you to verify URLs used or to allow WebDAV methods to the published server and many more settings.

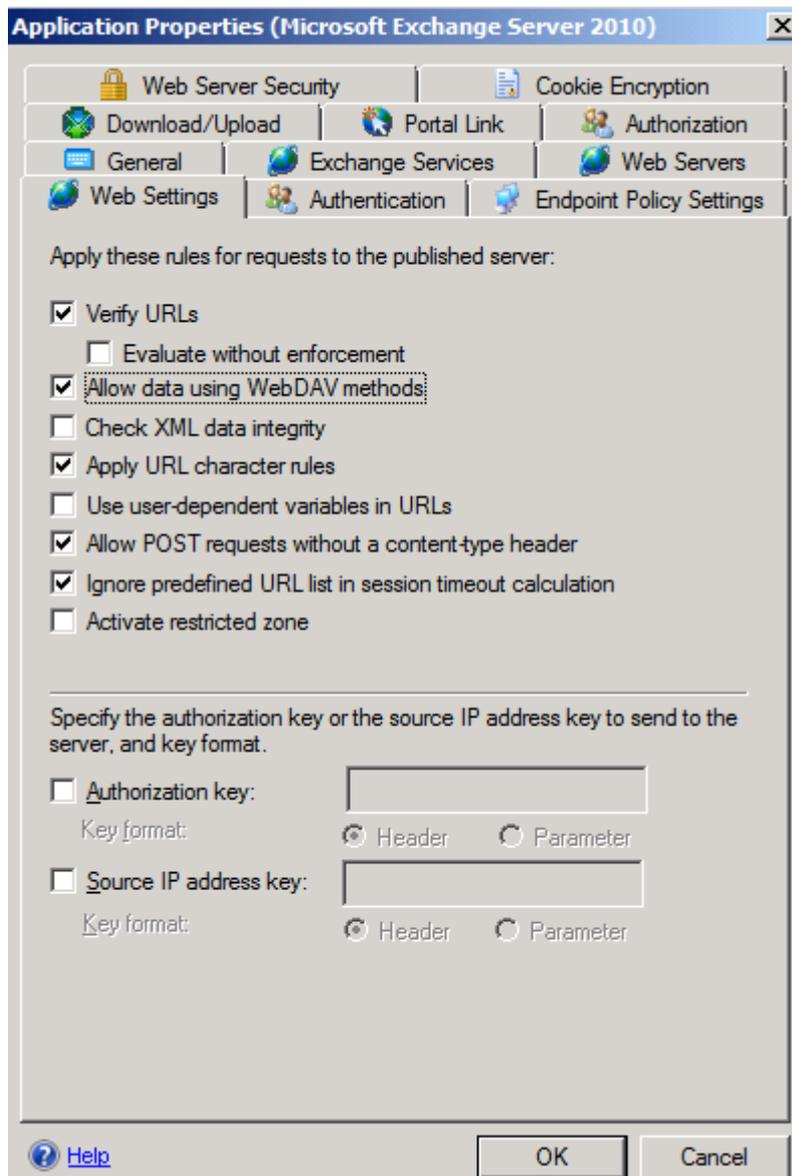


Figure 8: Forefront UAG web settings

The Web Server Security tab allows you to activate the smuggling protection feature and the maximum size of the POST request. HRS can be used to block requests if the following conditions apply:

- The method is POST
- The content-type is not listed in the content-type list
- The length is greater than the specified maximum length

This option should be enabled only for servers that are vulnerable to HRS attacks. If this option is enabled when it is not required, applications may not behave as expected.

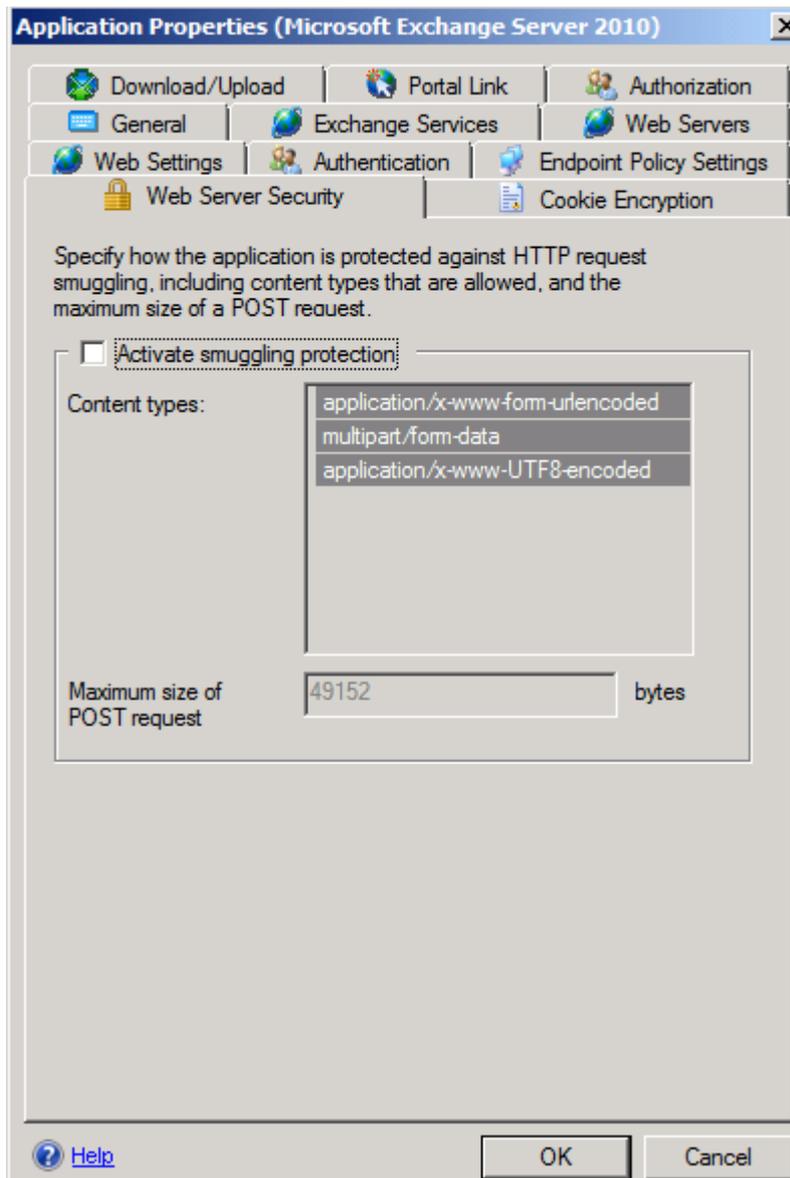


Figure 9: Web Server Security

At client side

After all settings has been configured you can now test the connection from an external client. Open the portal website. If you visit the website the first time a set of ActiveX controls or Java applets depending on the browser version you use will be installed. These components are called the endpoint detection components which interacts with the Forefront UAG Server for applying Endpoint policies and for local interacting between the Forefront UAG Server and the client.

The user must enter the user name and the password.

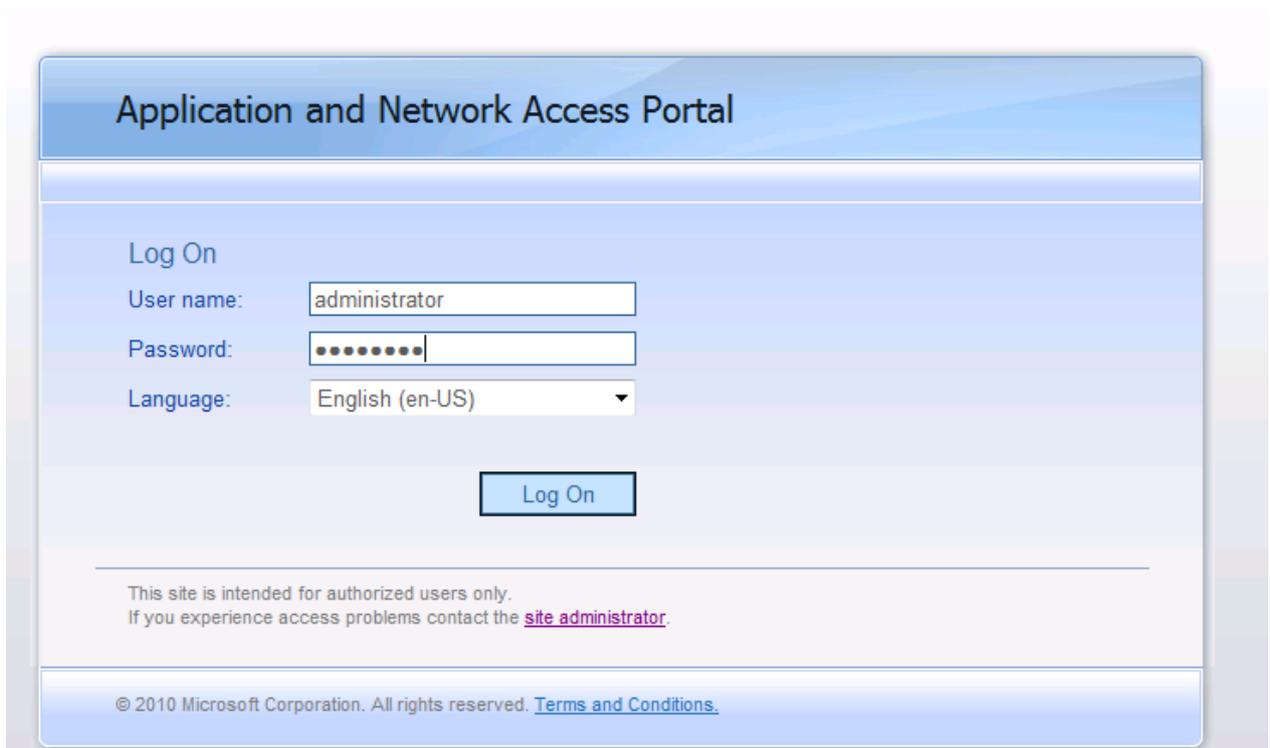


Figure 10: Logon to the portal

After the user has been authenticated he will get access to the Forefront UAG portal and can now use the published Outlook Web App application.

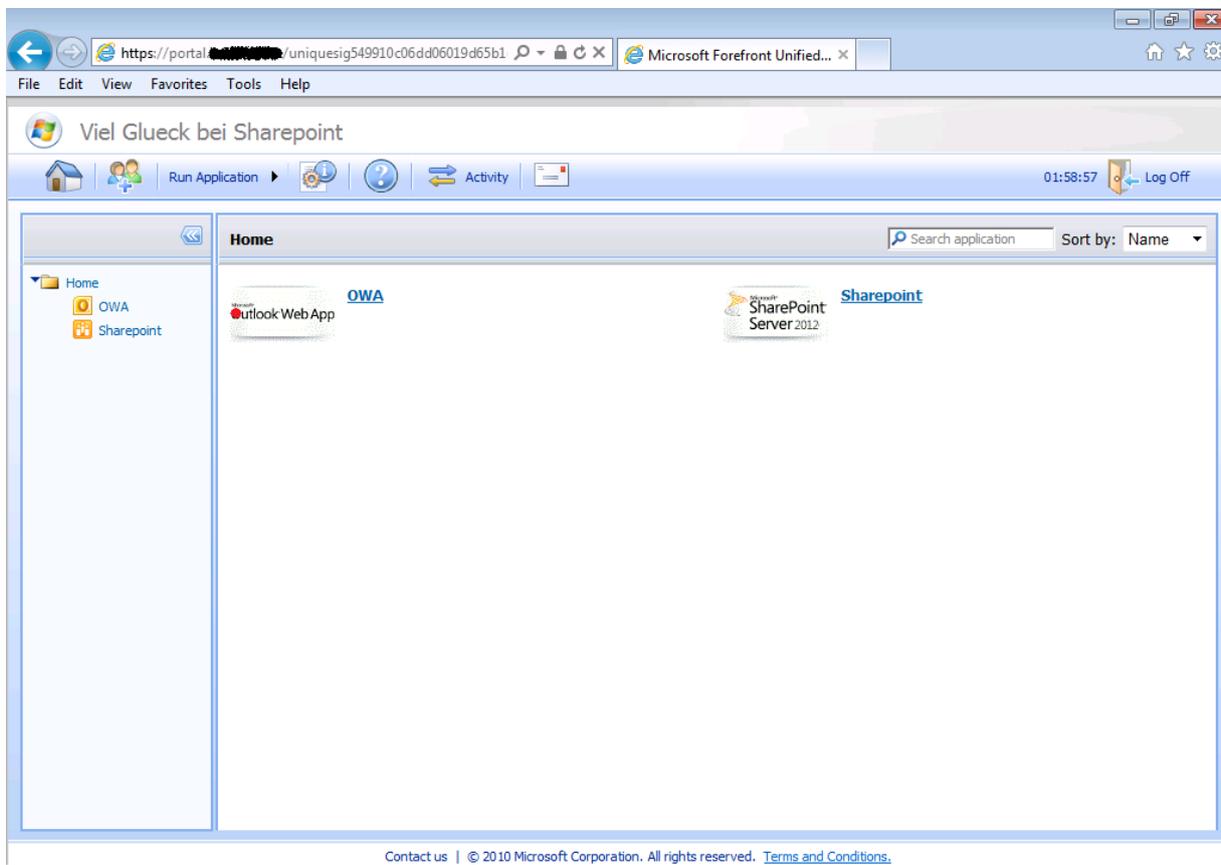


Figure 11: Access OWA through the portal

Conclusion

In this article we published a Microsoft Exchange Server 2010 Outlook Web App with Microsoft Forefront UAG. As you have seen, publishing a Microsoft Exchange Server 2010 with Forefront UAG provides much more capabilities and customization as to publish an Exchange Server 2010 with Microsoft Forefront TMG.

Related links

Publishing Outlook Web Access on a Forefront UAG portal

<http://technet.microsoft.com/en-us/library/ee921443.aspx>

Exchange services publishing deployment options

<http://technet.microsoft.com/en-us/library/dd861446.aspx>

Microsoft Forefront UAG – Overview of Microsoft Forefront UAG

<http://www.isaserver.org/tutorials/Microsoft-Forefront-UAG-Overview-Microsoft-Forefront-UAG.html>

Forefront UAG technical overview

<http://technet.microsoft.com/en-us/library/ee690443.aspx>