Authentication with Microsoft IAG (Whale) SSL VPN

Using SecurAccess Server from SecurEnvoy

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The equipment used for the integration process is listed below

Microsoft IAG

Microsoft IAG SSL VPN appliance
Software Revision Version 3.7.0.0.14

SecurEnvoy Server

Windows 2003 server
IIS installed with SSL certificate (required for management and remote administration)
Access to Active Directory with an Administrator Account

SecurEnvoy Software

SecurAccess software release v4.1.501

Overview

This integration guide shows how to obtain the best possible end user experience by utilising "chained authentication" which leverages IAG's single sign-on capabilities. This setup requires two authentication servers, one for authenticating the Microsoft password and the other for authenticating the SecurEnvoy 6 digit SMS passcode. Thus the first authentication server is something you know your Microsoft Password and the second one is something you own, your mobile phone which together represents two factor authentication.

1. Pre Requisites

Microsoft IAG is already setup to authenticate a Microsoft password
(In this example the authentication server is called dev.com)

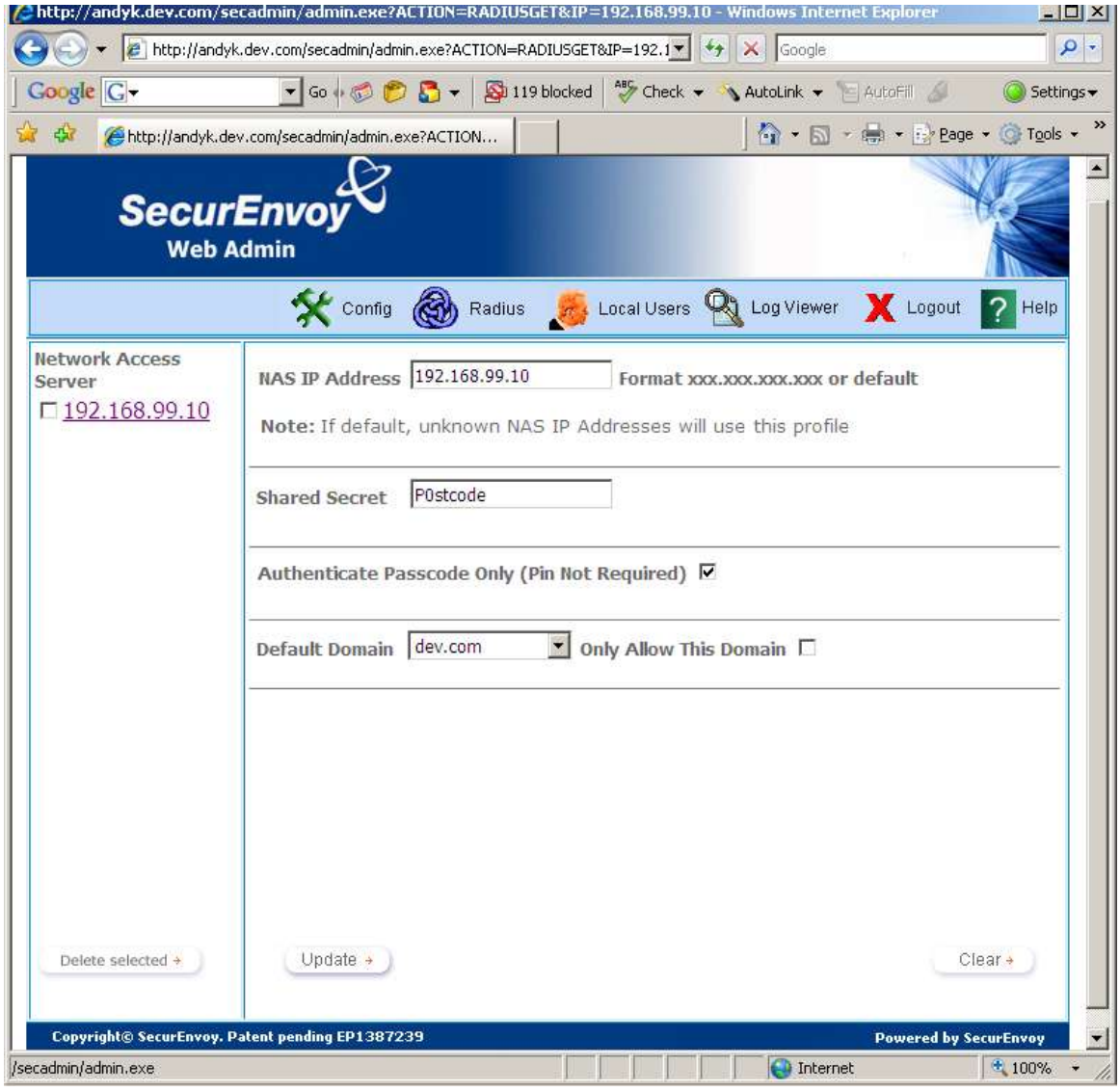
2. Setting up SecurEnvoy

Install the SecurEnvoy server

Use the default setting of "Windows Password is the PIN"

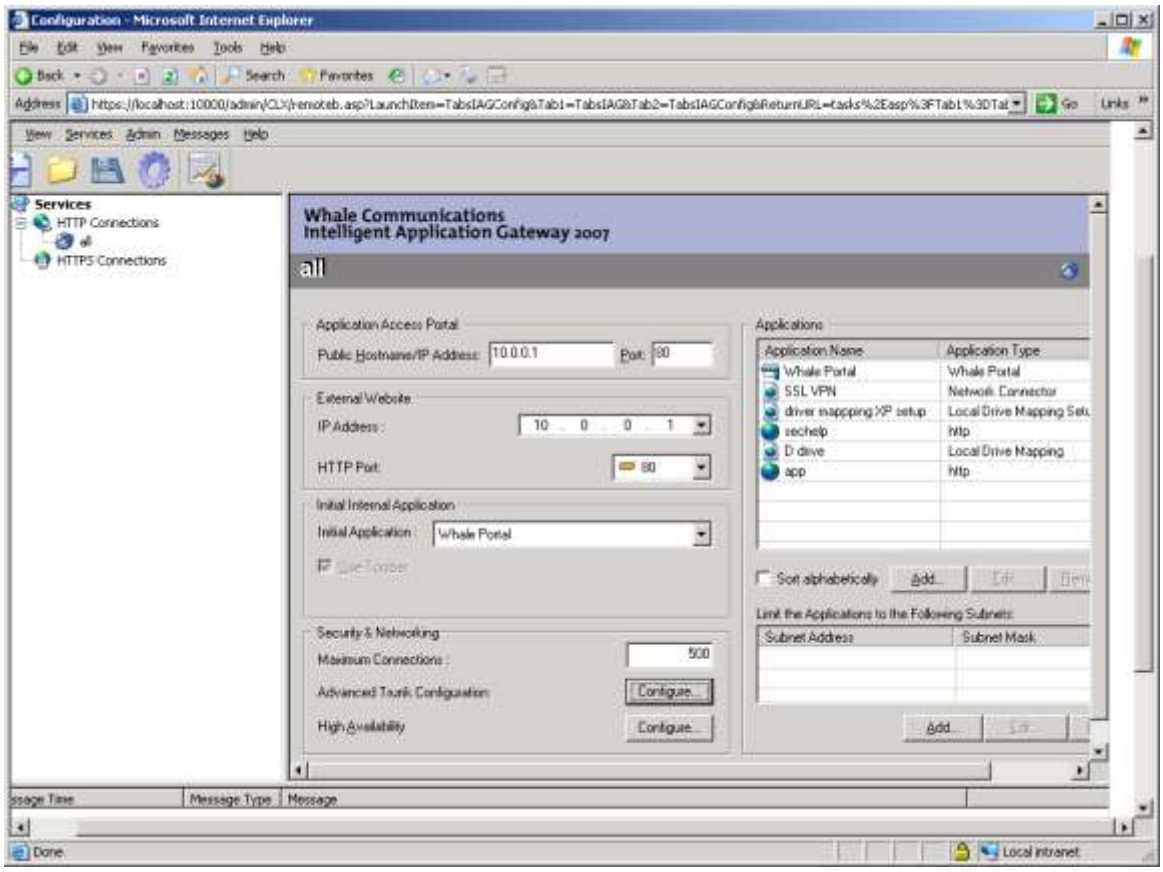
Setup a user for one time authentication.

Select the "Radius" menu option and enter the IAG's IP Address, a shared secret (this can be any password you like) and select "Authenticate Passcode Only" option.



3. Setting up SecurAccess in Microsoft IAG

Select an existing Trunk that you wish to authenticate, in this example "All"



Click "Configure" under Advanced Trunk Configuration.

Select Authentication tab

Select Add and then select "Add" to add a new authentication server.

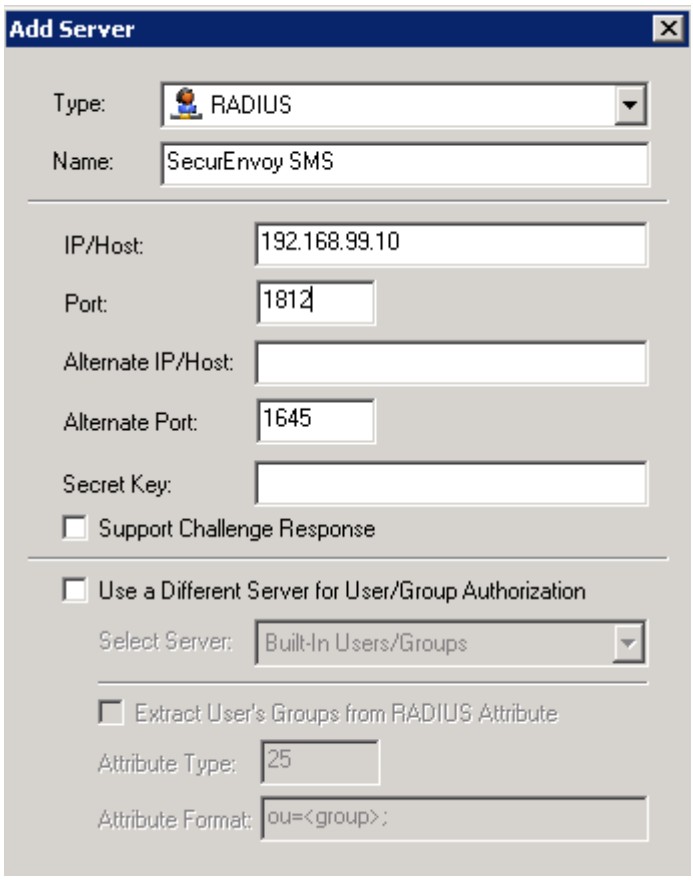
Select the Type as "**Radius**", enter the name "**SecurEnvoy SMS**" and then enter the IP address of the SecurEnvoy server.

Set port to **1812**,

Enter the same shared secret as set in section 2.

If you have installed a second SecurEnvoy server then enter this as the alternate IP/Host and change the Alternate port to 1812.

Select ok when complete.



Once complete highlight the SecurEnvoy Radius server and "click select".

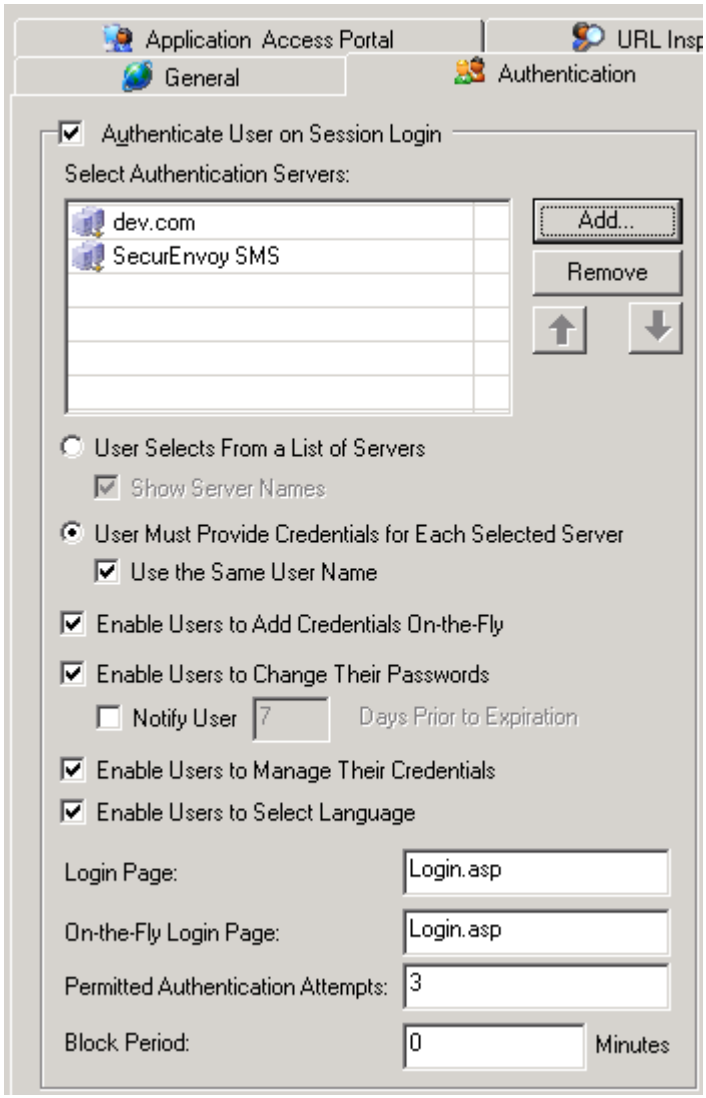
To enforce "Chained Authentication", Click the radial button "User must provide credentials for each selected server"

Also make sure the "Use the same username is checked.

Click "Ok" to submit changes

On the main console click activate configuration to submit changes.

If application single sign-on is required setup this up to use the Microsoft password authentication server (in this example dev.com).



4. Testing Authentication

Connect to the URL of the IAG's configured trunk

Enter a user name that has been configured for two factor authentication.

Enter the Microsoft Password in the xxx Password field (in this example dev.com)

Enter the 6 digit SMS passcode from the users mobile phone into the "SecurEnvoy SMS Password" field



You should be successfully authenticated and have the next required one time code sent to this users mobile phone.