Sonicwall (WAF) Web Application FW Guide

SecurAccess Integration Guide

Sonicwall WAF Integration Guide

Contents

1.1 Solution Summary

SecurEnvoy's SecurAccess MFA solution integrates with Sonicwall's Web Application Firewall appliance through the use of RADIUS Server for authorisation and access control.

The software used for the integration process is listed below:

Sonicwall WAF Release 2.0.0.1-19waf
SecurEnvoy SecurAccess 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:

- A SecurAccess MFA server installed, configured and working on a system with:
    - Windows Server 2003 or higher.
    - An LDAP or Lightweight Directory Service database of users
    Note: Please see SecurEnvoy's SecurAccess version 9.3 deployment guide on how to setup MFA server solution (On the www.securenvoy.com website)

- A Sonicwall WAF virtual appliance running version 2.0.0.1 and above, (previous versions of Sonicwall may work but have not been tested with full functionality)

- This guide assumes that Sonicwall has been installed and previously configured to authenticate users with a username and password locally or via LDAP.

- Familiarity with the following technologies:
    - RADIUS configuration
   - Sonicwall WAF Administration Interface

1.4 Authentication

The following section describes the steps required to configure the Sonicwall SMA appliance 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 Sonicwall appliance 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 internal IP address of the Sonicwall Appliance and click "Add"
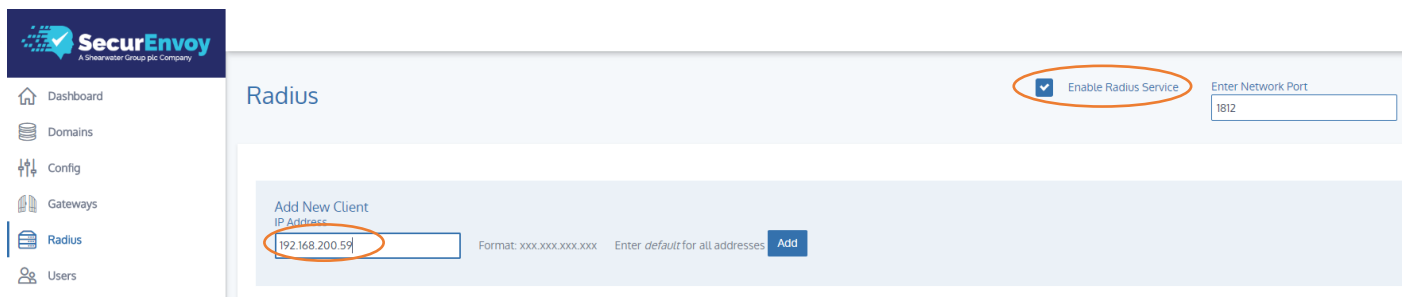
- Enter in a shared secret or common password and select the domains that will be authenticated against (if there is more than one domain configured in SecurAccess)
- Click Update
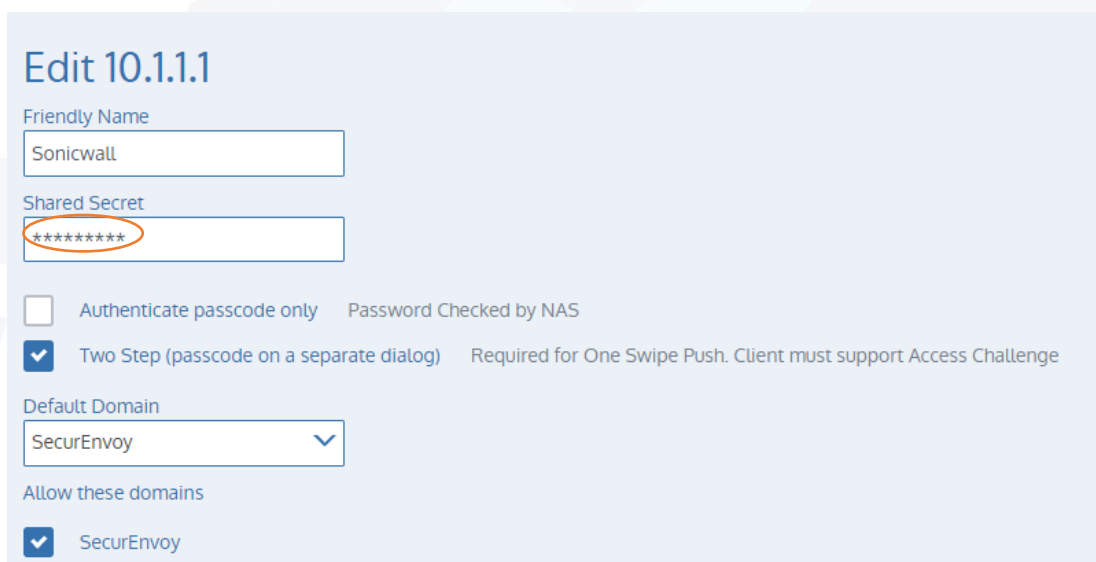
1.41   Setup RADIUS – Sonicwall

Navigate to Users\Domains within the Sonicwall WAF administration portal
select Add Domainb, to configure a new domain and RADIUS Authentication Server.
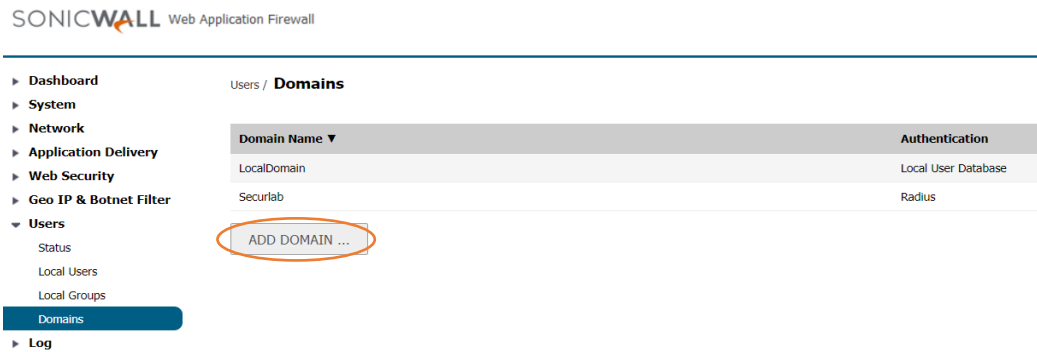
On presentation of the new Domain dialogue box, select RADIUS as the authentication type in order to display additional settings as shown below.

Domain Name: Enter the name of your domain you will authenticate users against.
Authentication Protocol: Select PAP
Radius Server address: Enter the IP of your SecurAccess Server
Secret Password: Enter the shared secret password entered in the last section
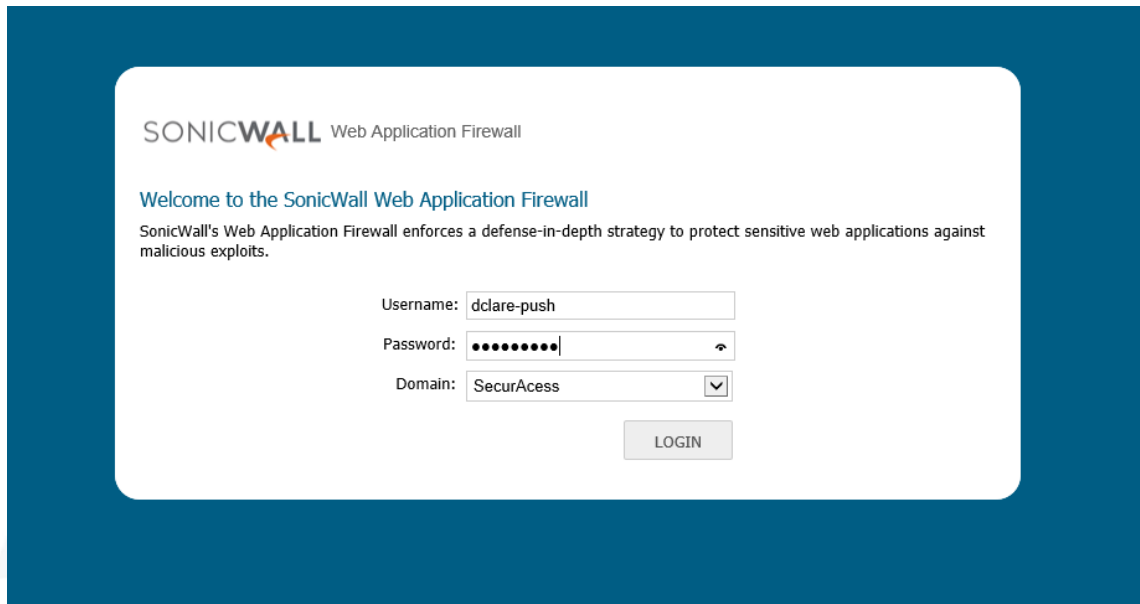Radius Timeout: Increase this to 22 seconds
Web App Name: Select the Web App you are protecting (It is expected that this is an existing Web App that was being protected by username and password authentication)
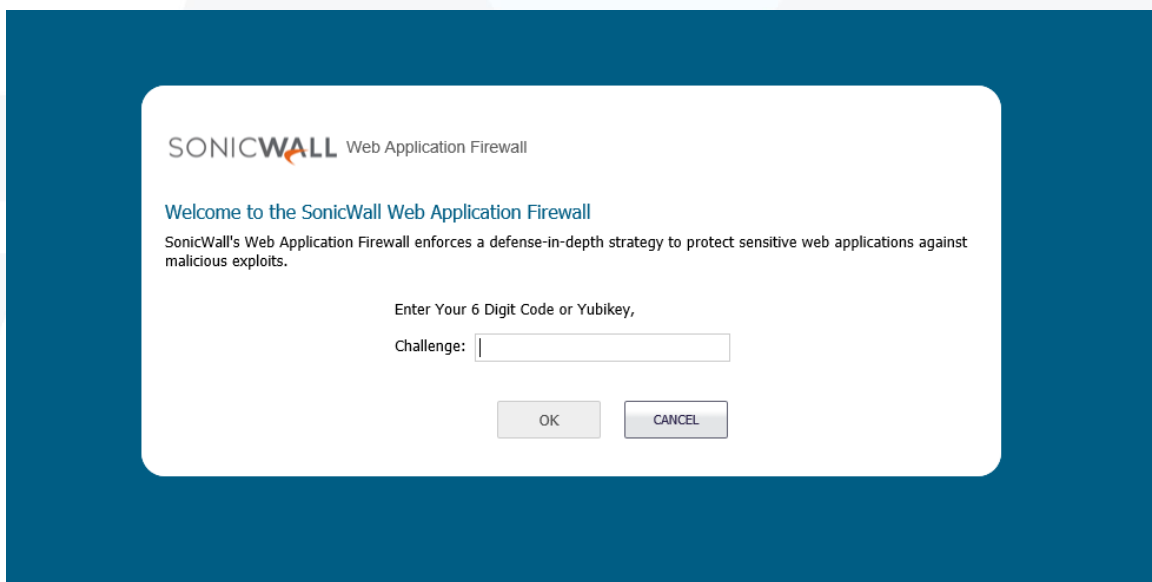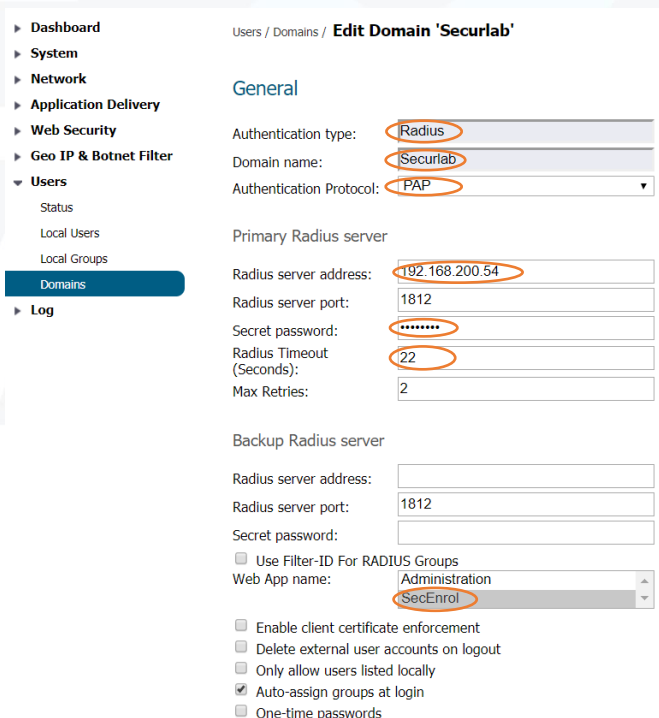
1.5 Client Logon

The following section describes the login process and demonstrates what will be presented back to the user.

- Browse to your Sonicwall WAF Login Screen
- Enter in your username from Active Directory or Local Directory Service account
- Enter your domain password and the newly created RADIUS domain and click LoginIn

If not presented with a PUSH notification, when prompted, enter the 6-digit token or yubikey token and click ok

6

Please Reach Out
to Your Local
SecurEnvoy Team...

UK & IRELAND

The Square, Basing View
Basingstoke, Hampshire
RG21 4EB, UK

Sales

E   sales@SecurEnvoy.com
T   44 (0) 845 2600011

Technical Support

E   support@SecurEnvoy.com
T   44 (0) 845 2600012

EUROPE

Freibadstraße 30,
81543 München,
Germany

General Information

E   info@SecurEnvoy.com
T   +49 89 70074522

ASIA-PAC

Level 40 100 Miller Street
North Sydney
NSW 2060

Sales

E   info@SecurEnvoy.com
T   +612 9911 7778

USA - West Coast

Mission Valley Business Center
8880 Rio San Diego Drive
8th Floor San Diego CA 92108

General Information

E   info@SecurEnvoy.com
T   (866)777-6211

USA - Mid West

3333 Warrenville Rd
Suite #200
Lisle, IL 60532

General Information

E   info@SecurEnvoy.com
T   (866)777-6211

USA – East Coast

373 Park Ave South
New York,
NY 10016

General Information

E   info@SecurEnvoy.com
T   (866)777-6211

SecurEnvoy
A Shearwater Group plc Company

www.securenvoy.com