Ericom WebConnect Server

Authenticating Users Using SecurAccess Server by SecurEnvoy

Contact information		
SecurEnvoy	www.securenvoy.com	0845 2600010
	Merlin House Brunel Road Theale Reading RG7 4AB	
Tony Davis	tdavis@securenvoy.com	
Nigel Willis	nigel.willis@ericom.com	

Ericom WebConnect Server Integration Guide

This document describes how to integrate Ericom WebConnect Server with SecurEnvoy two-factor Authentication solution called 'SecurAccess'.

Ericom WebConnect Server maximizes the value of Terminal Servers (RDS), virtual desktops (VDI), Web applications, Cloud services, and legacy host systems. For IT departments of all sizes, Ericom products streamlines the management and utilization of IT resources, while protecting past IT investments and significantly improving the end user-experience.

SecurAccess provides two-factor, strong authentication for remote Access solutions (such as AccessNow), without the complication of deploying hardware tokens or smartcards.
Two-Factor authentication is provided by the use of (your PIN and your Phone to receive the one time passcode)

SecurAccess is designed as an easy to deploy and use technology. It integrates directly into any LDAP server and negates the need for additional User Security databases. SecurAccess consists of two core elements: a Radius Server and Authentication server. The Authentication server is directly integrated with LDAP in real time.

SecurEnvoy Security Server can be configured in such a way that it can use the existing LDAP password. Utilizing the LDAP password as the PIN, allows the User to enter their UserID, Domain password and One Time Passcode received upon their mobile phone. This authentication request is passed via the Radius protocol to the SecurEnvoy Radius server where it carries out a Two-Factor authentication. It provides a seamless login into the Windows Server environment by entering three pieces of information. SecurEnvoy utilizes a web GUI for configuration. All notes within this integration guide refer to this type of approach.

The equipment used for the integration process is listed below:

Ericom Authentication Server

Microsoft Server 2008 R2
Ericom Authentication Server v3.4.2.0

SecurEnvoy

Microsoft Server 2008 R2
IIS installed with SSL certificate (required for management and remote administration)
Active Directory installed or connection to Active Directory via LDAP protocol.

SecurAccess software release v7.2.505

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1.0 Prerequisites

It is assumed that the Ericom Authentication Server (A WebConnect Component) has been installed and is authenticating with a username and password. Please check the Ericom guide for more information.

Securenvoy Security Server has been installed with the Radius service and has a suitable account that has read and write privileges to the Active Directory. If firewalls are between the SecurEnvoy Security server, Active Directory servers, and the Ericom Authentication server(s), additional open ports will be required.

Microsoft Server Agent has been installed as per the SecurEnvoy Microsoft Server Agent and Admin Guide:
https://www.securenvoy.com/integrationguides/iis%20agent%20installation%20guide.pdf

Note

You MUST install the Microsoft Server Agent version 7.3 or higher

The following table shows what token types are supported.

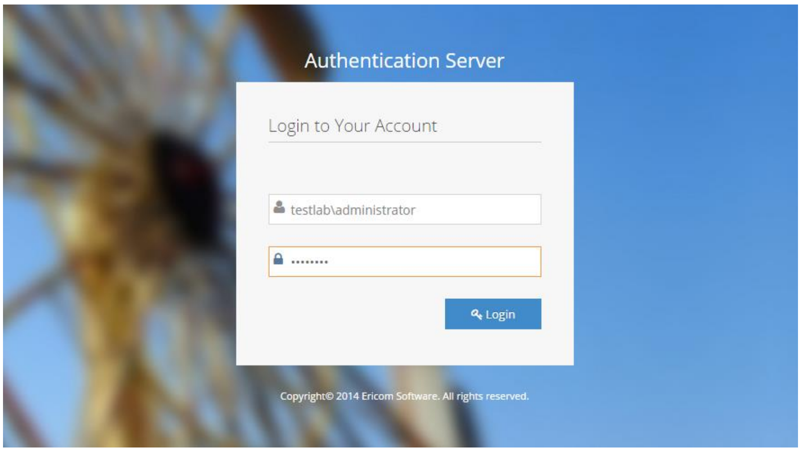
Token Type Supported	
Real Time SMS or Email	✓
Preload SMS or Email	✓
Soft Token Code	✓
Soft Token Next Code	✓
Voice Call	✓
One Swipe	✗

1.1 Configure Ericom Authentication Server RADIUS Server

Launch the Authentication Server Admin using you browser and navigating to https://your_Ericom_authentication_Server:7443

Enter a local or Domain administrator account UserID and Password.

Click 'Login'



Authentication Server

Login to Your Account

testlab\administrator

••••••••

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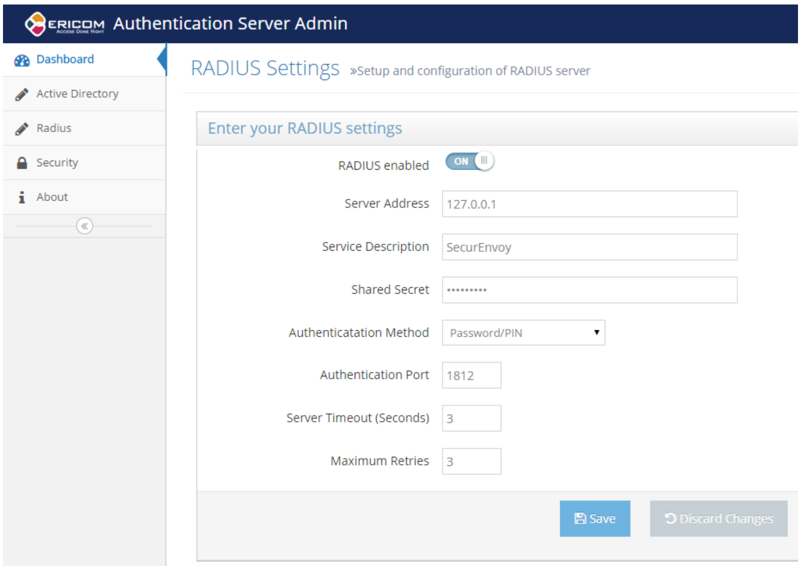
Select the 'Radius' tab.
Populate the following:

Server address:
Shared Secret:
Auth Method: Password/PIN

Click 'Save'



ERICOM Authentication Server Admin

RADIUS Settings »Setup and configuration of RADIUS server

Enter your RADIUS settings

RADIUS enabled	ON
Server Address	127.0.0.1
Service Description	SecurEnvoy
Shared Secret	•••••••••
Authenticatation Method	Password/PIN
Authentication Port	1812
Server Timeout (Seconds)	3
Maximum Retries	3

2.0 Configure SecurEnvoy Radius Profile

To help facilitate an easy to use environment, SecurEnvoy can be set up to use the existing Windows password as the PIN component. SecurEnvoy supplies the second factor of authentication, which is the dynamic one time passcode (OTP) which is sent to the user's mobile phone.

Launch the SecurEnvoy admin interface, by executing the Local Security Server Administration link on the SecurEnvoy Security Server.

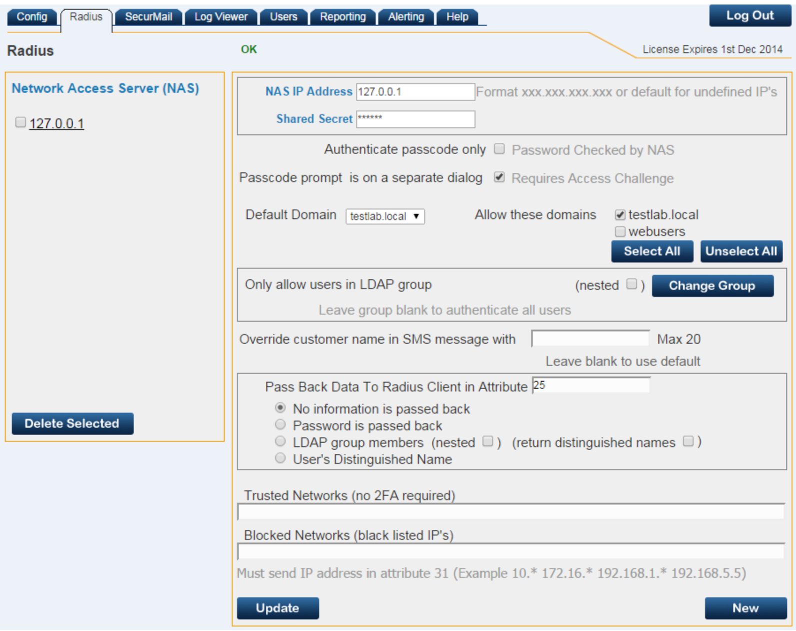
Click the "Radius" tab

Enter IP address and Shared secret for each Ericom Authentication Server that wishes to use SecurEnvoy Two-Factor authentication.

Click checkbox "Passcode prompt is on a separate dialog".

Click "Update" to confirm settings.

Click "Logout" when finished. This will log out of the Administrative session.



Radius OK License Expires 1st Dec 2014

Network Access Server (NAS)

□ 127.0.0.1

NAS IP Address 127.0.0.1 Format xxx.xxx.xxx.xxx or default for undefined IP's

Shared Secret ******

Authenticate passcode only □ Password Checked by NAS

Passcode prompt is on a separate dialog ☑ Requires Access Challenge

Default Domain testlab.local ▾ Allow these domains ☑ testlab.local □ webusers

Only allow users in LDAP group (nested □)

Leave group blank to authenticate all users

Override customer name in SMS message with Max 20

Leave blank to use default

Pass Back Data To Radius Client in Attribute 25

● No information is passed back
○ Password is passed back
○ LDAP group members (nested □) (return distinguished names □)
○ User's Distinguished Name

Trusted Networks (no 2FA required)

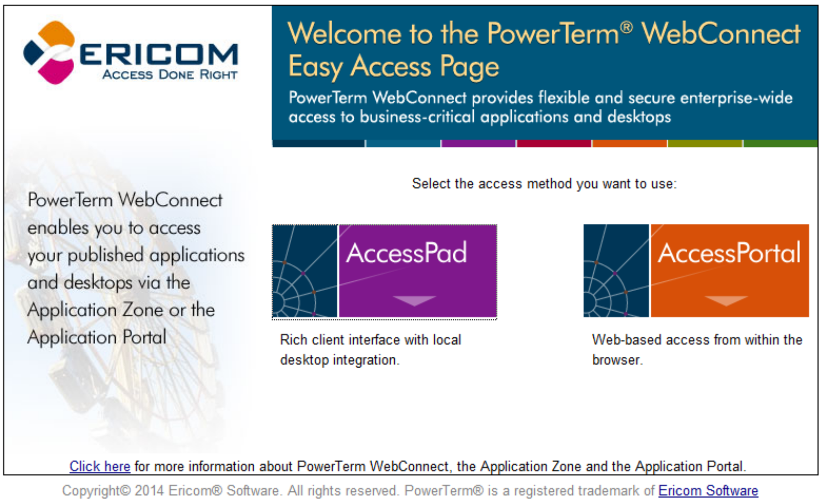
Blocked Networks (black listed IP's)

Must send IP address in attribute 31 (Example 10.* 172.16.* 192.168.1.* 192.168.5.5)

3.0 Test the Two Factor Authentication

Test the Two Factor Web authentication by opening a web browser and navigating to https://Your_PowerTerm_WebConnect_Server/webconnect/begin.html

Select 'AccessPad' from the PowerTerm WebConnect Easy Access Page.



Welcome to the PowerTerm® WebConnect Easy Access Page

PowerTerm WebConnect provides flexible and secure enterprise-wide access to business-critical applications and desktops

PowerTerm WebConnect enables you to access your published applications and desktops via the Application Zone or the Application Portal

Select the access method you want to use:

AccessPad

Rich client interface with local desktop integration.

AccessPortal

Web-based access from within the browser.

Click here for more information about PowerTerm WebConnect, the Application Zone and the Application Portal.

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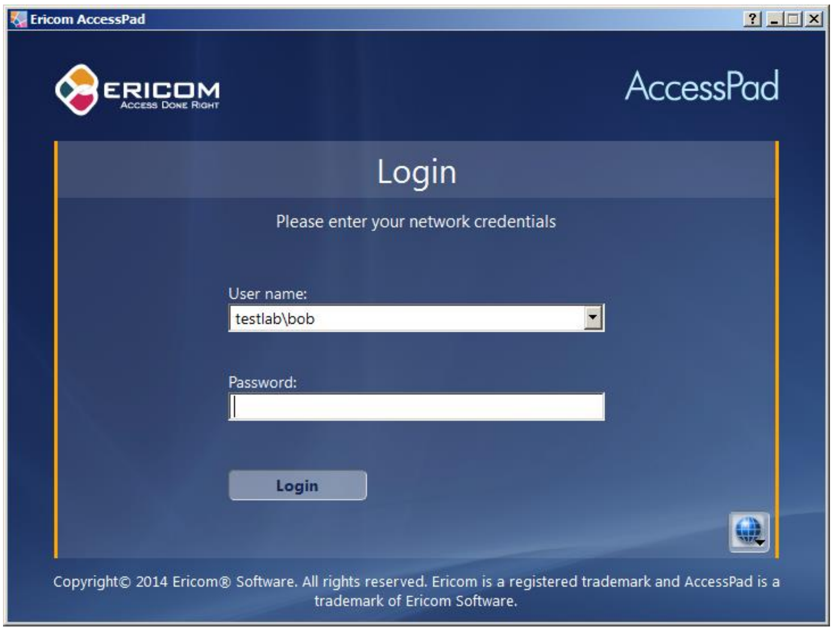
Enter the User Name and Password for a SecurEnvoy managed user and click 'Login'



Ericom AccessPad

AccessPad

Login

Please enter your network credentials

User name: testlab\bob

Password:

Login

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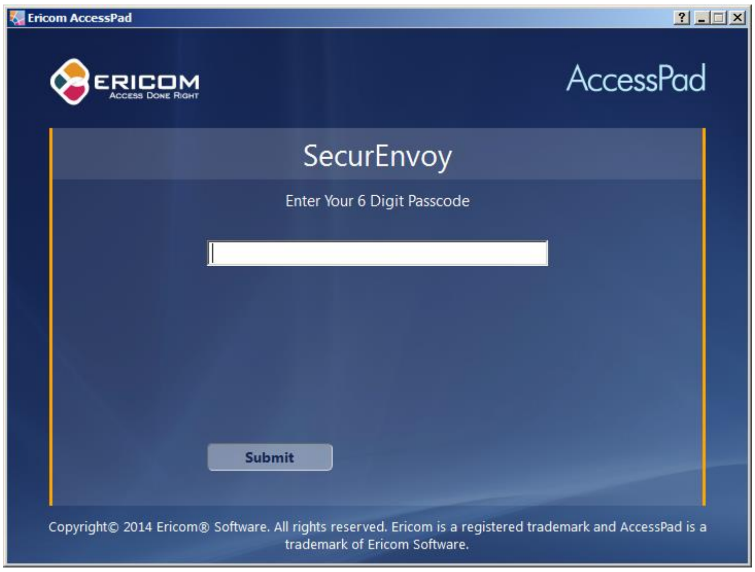
User is then presented with their two factor authentication type:

- Pre load, Realtime and Soft tokens:



Ericom AccessPad

ERICOM Access Done Right

AccessPad

SecurEnvoy

Enter Your 6 Digit Passcode

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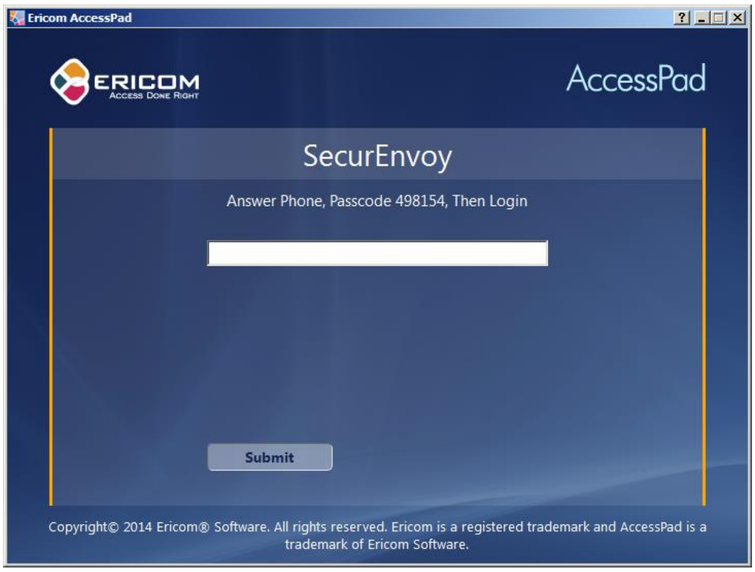
- VOICE tokens:



Ericom AccessPad

ERICOM Access Done Right

AccessPad

SecurEnvoy

Answer Phone, Passcode 498154, Then Login

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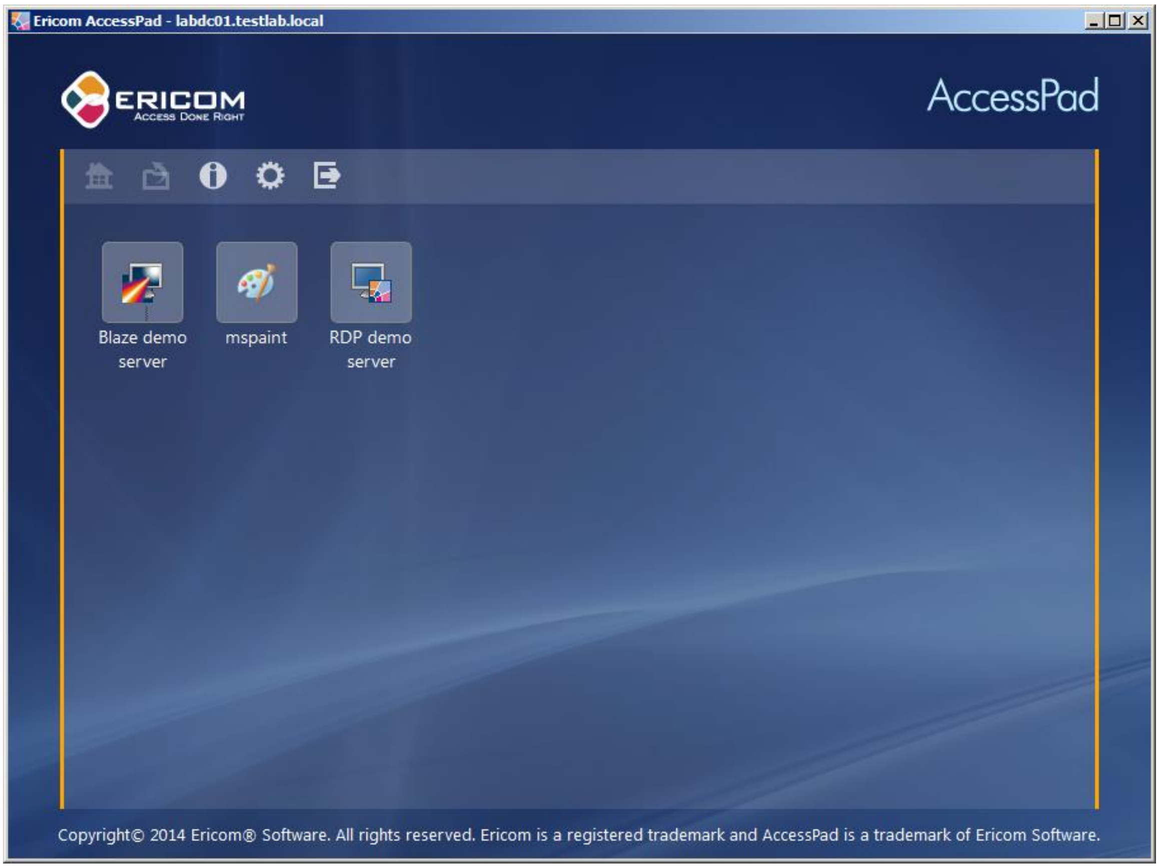
User authenticates successfully and is presented with their desired application:



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4.0 Notes