SecurEnvoy
A Shearwater Group plc Company

www.securenvoy.com

Pulse Connect Secure Integration Guide

SecurAccess Integration Guide

Version 1.0 – 07/18

Pulse Connect Secure Integration Guide

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1.1 Solution Summary

SecurEnvoy's SecurAccess MFA solution integrates with Pulse Connect Secure appliance through the use of RADIUS Server for authorisation and access control.

The software used for the integration process is listed below:

Pulse Connect Secure® Release 9.0R1 (build 63949) - Virtual
SecurEnvoy SecurAccess Release v9.3.501

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 Pulse Connect Secure appliance (Physical, Virtual or Cloud) running version 9.0 and above, (previous versions of Pulse Secure may work but have not been tested with full functionality)

- Pulse Secure client software installed/deployed on all clients that connect remotely to the appliance unless the Clientless solution will be used.

- This guide assumes that Pulse Secure has been installed and previously configured to authenticate users with a username and password already.

- Familiarity with the following technologies:
  - RADIUS configuration
  - Pulse Connect Secure Administration Interface

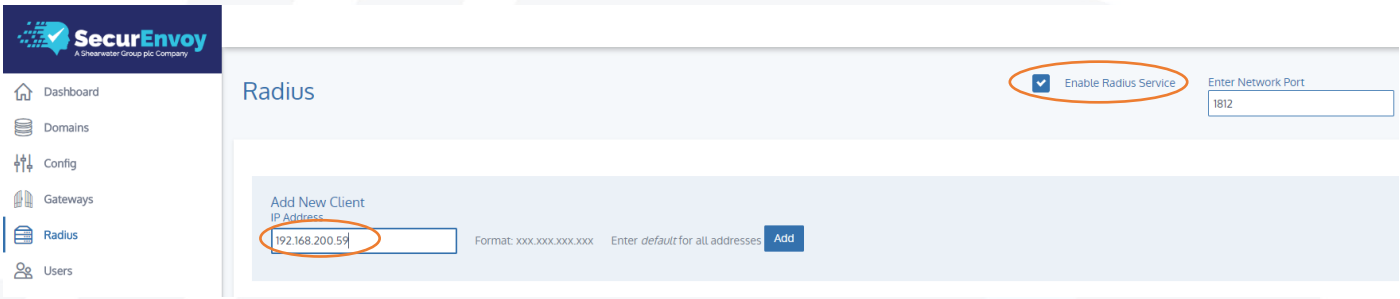
1.4 Authentication

The following section describes the steps required to configure the Pulse Connect Secure appliance to authenticate users via RADIUS through the SecurEnvoy SecurAccess Solution.

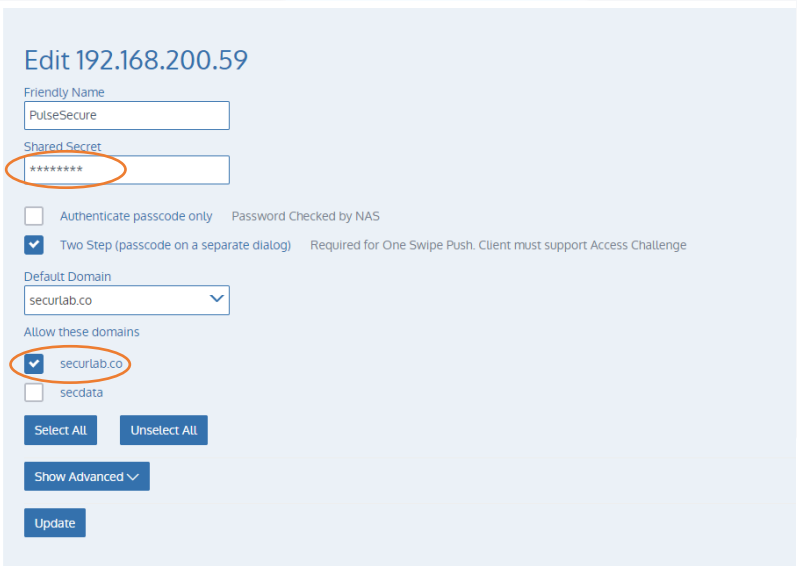
1.41 Setup RADIUS - SecurAccess

Within the SecurAccess configuration, we will need to configure the Pulse connect Secure 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 IP address of the Pulse Connect Secure Appliance and click “Add”

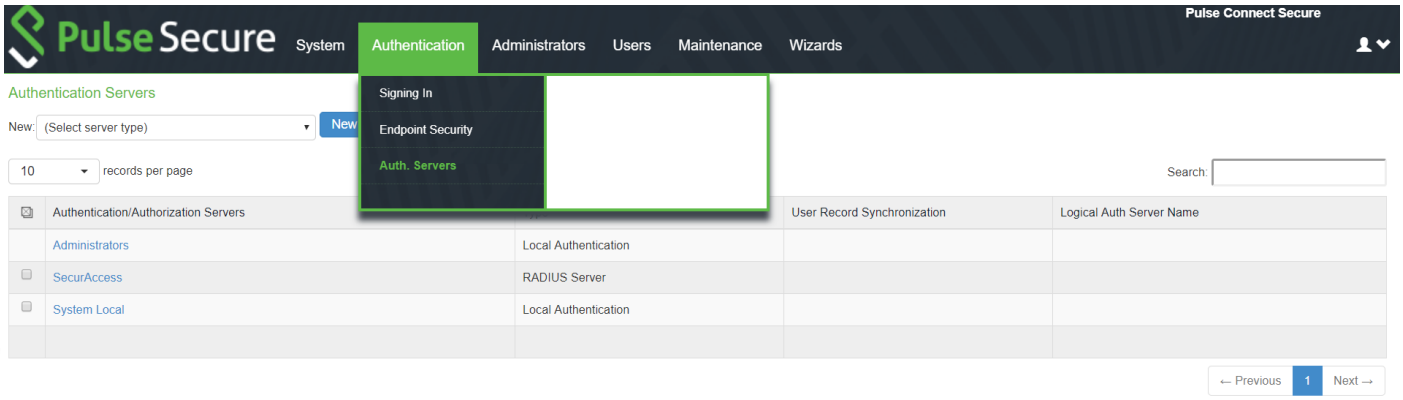


- Enter in a shared secret or common password and select the domains that will be authenticated against (if there is more than one domain configured in SecurAccess)
- Click Update

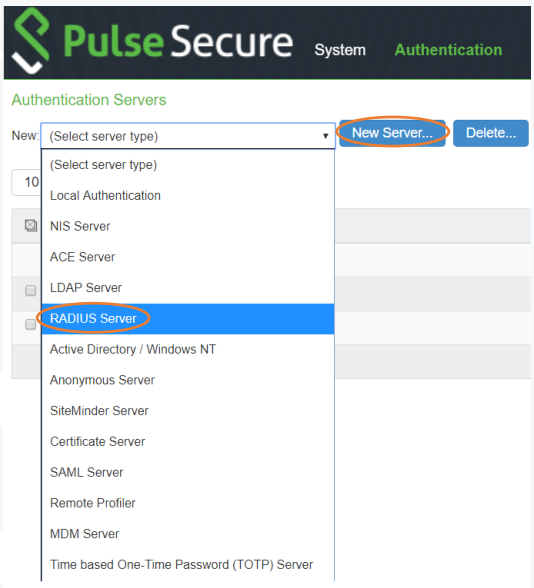


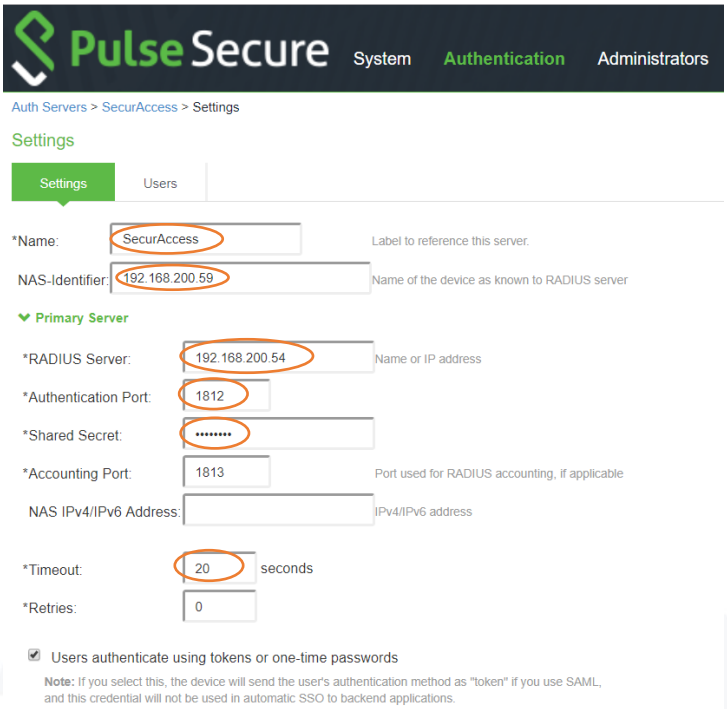
1.41 Setup RADIUS – Pulse Secure

Navigate to Authentication\Auth. Servers within the Pulse Secure administration portal select New, to configure a new Authentication Server.

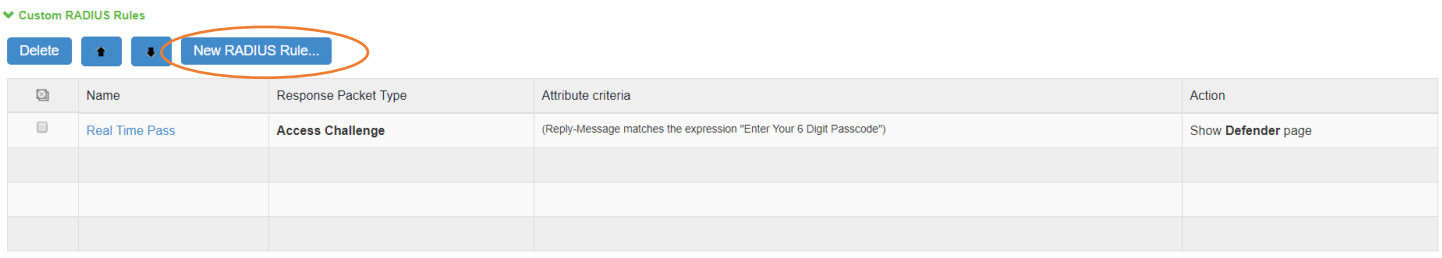


Click the drop-down list and select RADIUS Server, followed by the New Server button to add an Authentication server.



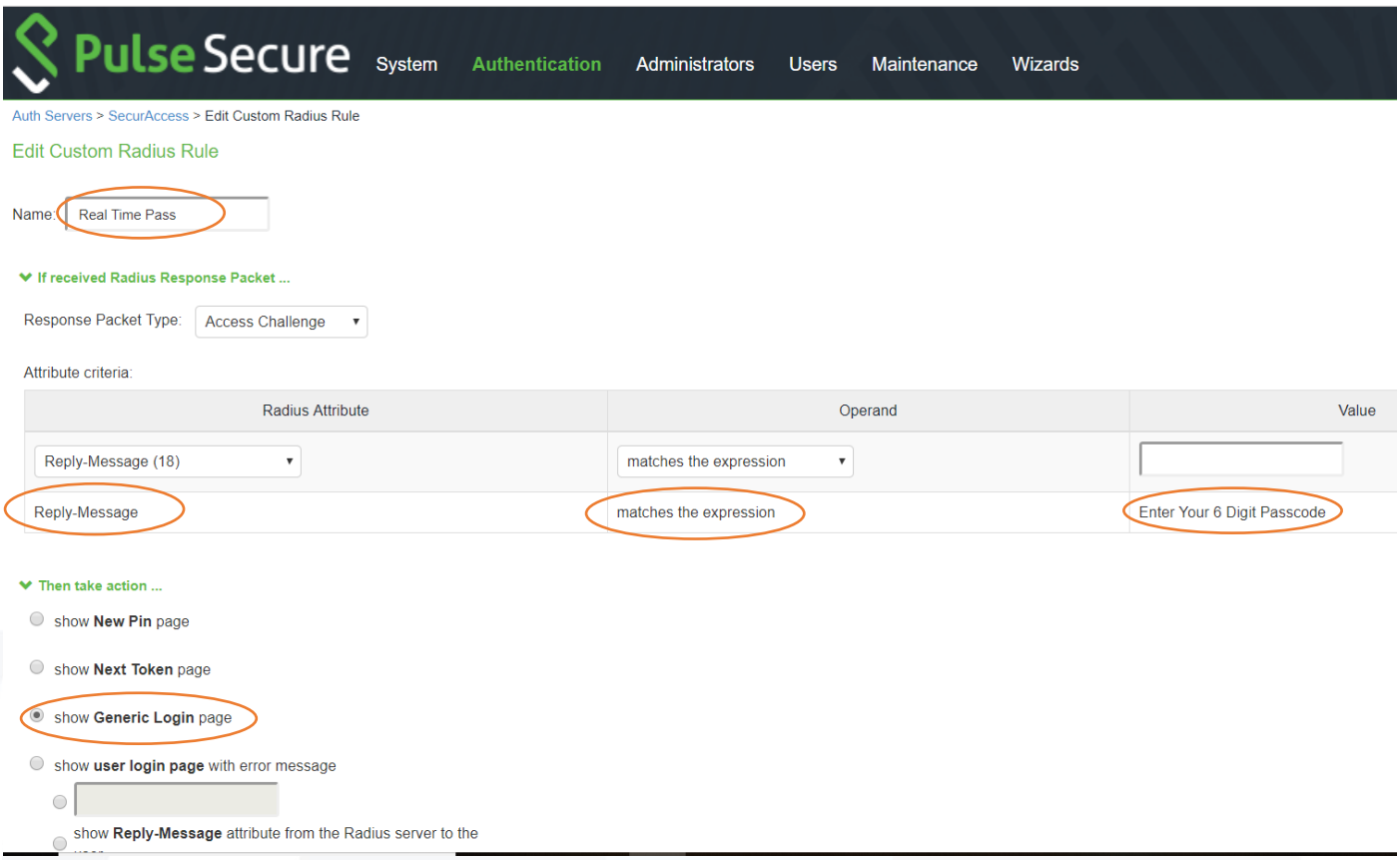


- Enter a NAS-Identifier that the RADIUS server will recognise the Pulse Connect Secure appliance by (IP address is sufficient in this case)
- Enter the IP address or DNS host name of the SecurEnvoy server in the RADIUS Server section *(make sure a DNS server is configured and an A record is configured in DNS if a name is to be used).*
- Make sure the RADIUS authentication Port is configured as 1812
- Change the Server Authentication and Accounting port to 1812
- Enter in the Server Shared Secret or Common Password that was configured and matches the key configured when RADIUS was setup on SecurEnvoy SecurAccess Server.
- Change the Timeout to 20 *seconds (1 second longer than the SecurAccess RADIUS timeout)*



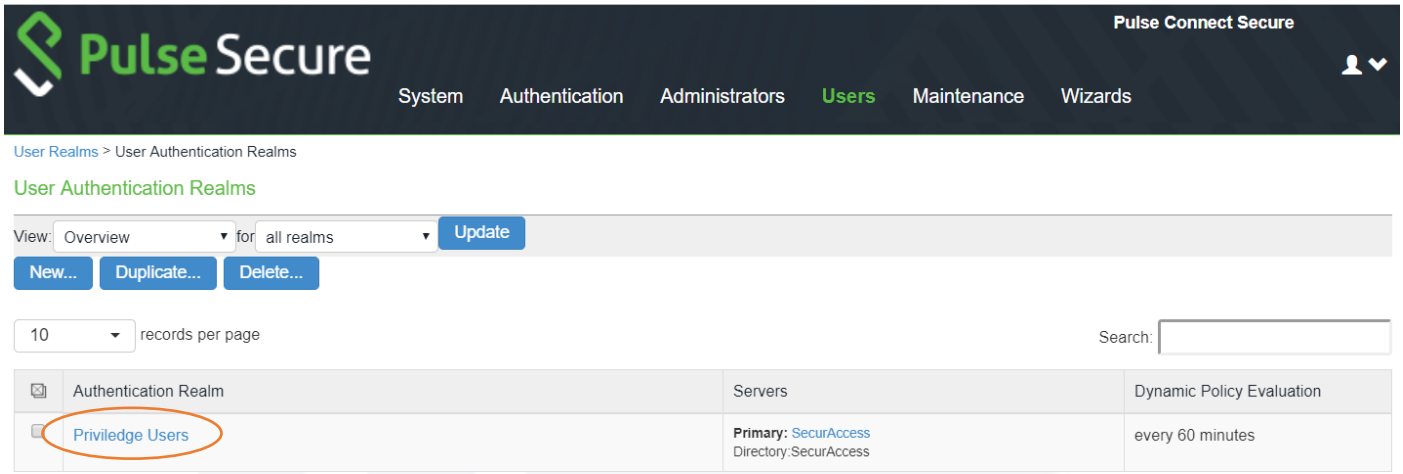
- Locate the "Custom RADIUS Rules" further down the page and click "New RADIUS Rule"

- Enter the name of “Real Time Pass”
- Make sure Access Challenge is selected under “Response Packet Type”
- Under the Attribute Criteria, select Reply-Message (18) and Matches the expression and enter the text Enter Your 6 Digit Passcode within the Value section.
- Click Add
- Select “Show generic login page”
- Click Save Changes at the bottom of the Customer Radius rule page

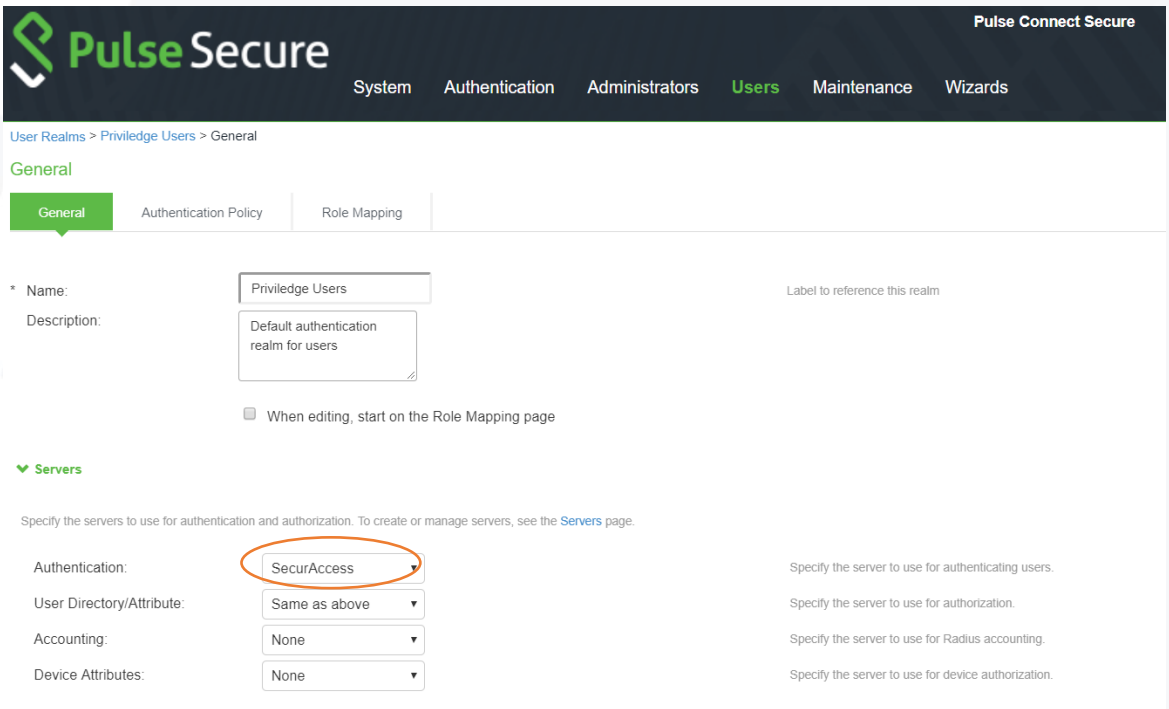


1.41 Assign Authentication Policy to Users

- Navigate to Users\User Realms and select your existing Authentication Realm



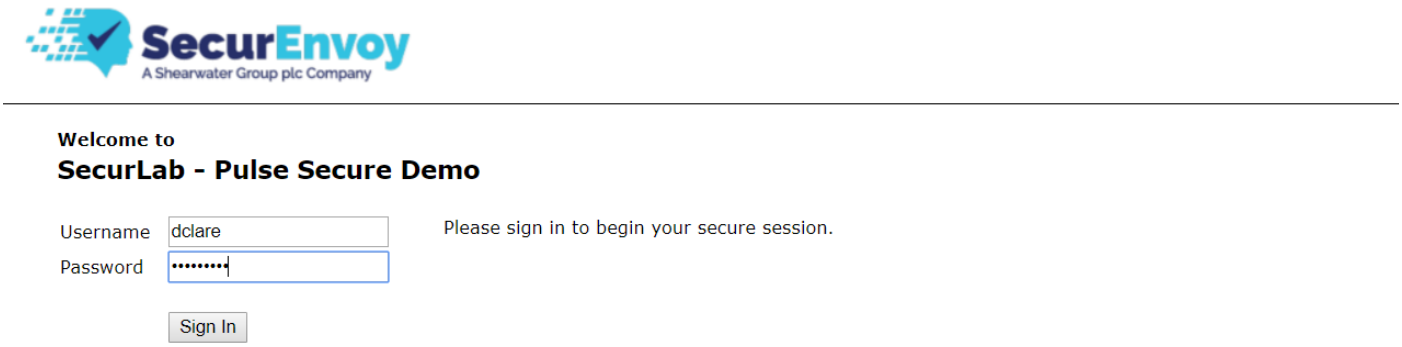
- Select the Authentication server setup earlier and click Save Changes



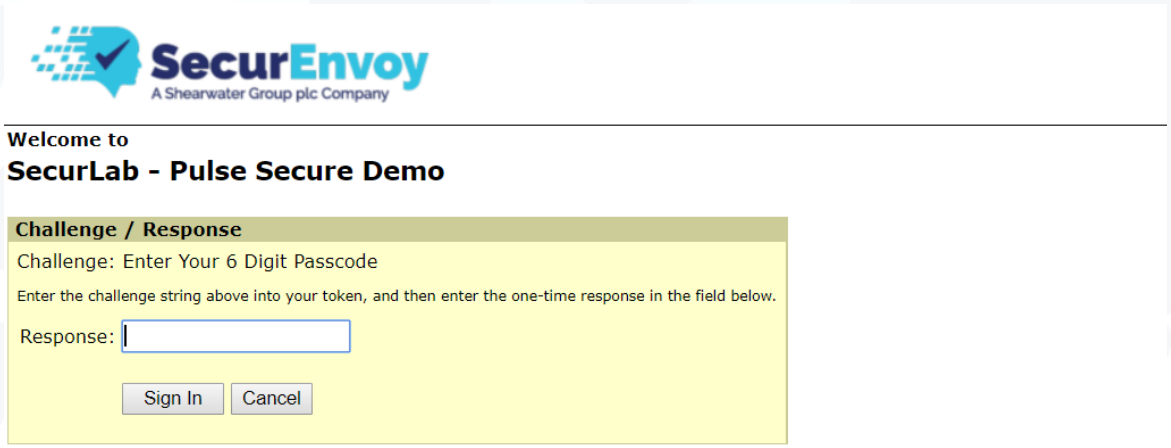
1.5 Client Logon

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

- Browse to your Pulse Secure login screen
- Enter in your username from Active Directory or Local Directory Service account
- Enter your domain password and click Sign In



- Dependent on the authentication type you have configured within SecurAccess, you will either receive a PUSH notification to your Apple or Android phone or presented with a login page requesting the 6-digit token (Received via SMS or Email)
- Enter the one-time code received or enter the code from the soft token or Yubikey.



- *In the event that the user does not accept the PUSH notification within 19 seconds, the same screen will be presented to the user requesting them to enter the 6-digit code.*

Please Reach Out to Your Local SecurEnvoy Team...

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