

Palo Alto VPN Integration Guide (RADIUS)

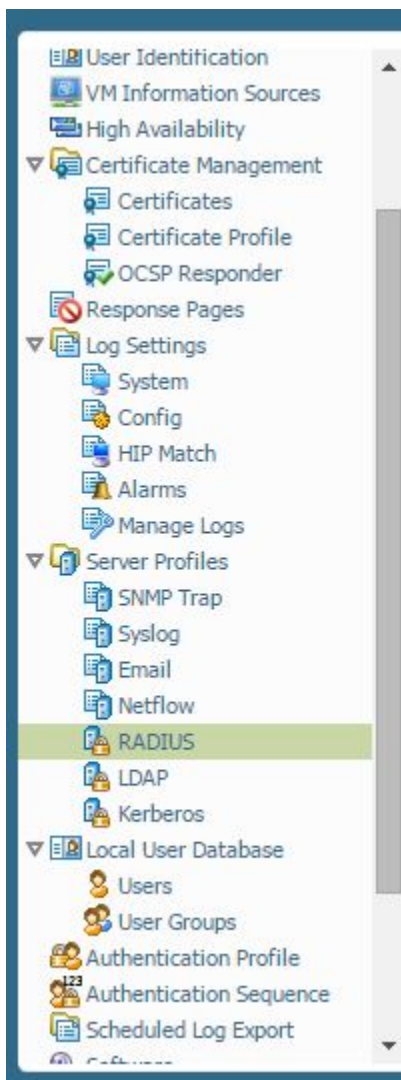
Introduction

Use this guide to enable Multi-Factor Authentication access via RADIUS to Palo Alto Networks (PAN) VPN.

Prerequisites

1. Have PAN-OS 5.0 and above
2. Configure the [Multi-Factor App Enrollment Realm \(SecureAuth998\)](#) in the SecureAuth IdP Web Admin for the RADIUS OTP authentication requests
3. Install and configure the [SecureAuth RADIUS Server](#)

Palo Alto Configuration Steps



1. Create a **RADIUS Server Profile** by navigating to **Server Profile > RADIUS > click Add**

2. Name the **RADIUS Server** profile

- Leave the Domain name Blank
- Time out = 30 seconds
- Retries = 3 (default)

RADIUS Server Profile

Name: SecureAuth_Radius

Administrator Use Only

Domain: _____

Timeout: 30

Retries: 3

Retrieve user group

Servers

| Name | IP Address | Secret | Port |
|-------------------|------------|--------|------|
| SecureAuth_Radius | 1.2.3.4 | ***** | 1812 |

+ Add - Delete

OK Cancel

3. Add **Server** to the profile by clicking **Add** on the bottom of the profile

- Name = Generic name for the RADIUS Server
- IP address = IP address of the SecureAuth Server
- Secret = Secret shared between Palo Alto and SecureAuth RADIUS
- Port = 1812 (UDP)

Authentication Profile

Name: SecureAuth_DEMO

Lockout

Lockout Time (min): [0 - 60]

Failed Attempts: [0 - 10]

Allow List

- all

+ Add - Delete

Authentication: RADIUS

Server Profile: sademo_Radius

OK Cancel

4. Navigate to **Authentication Profile** and click **Add** to add a new profile

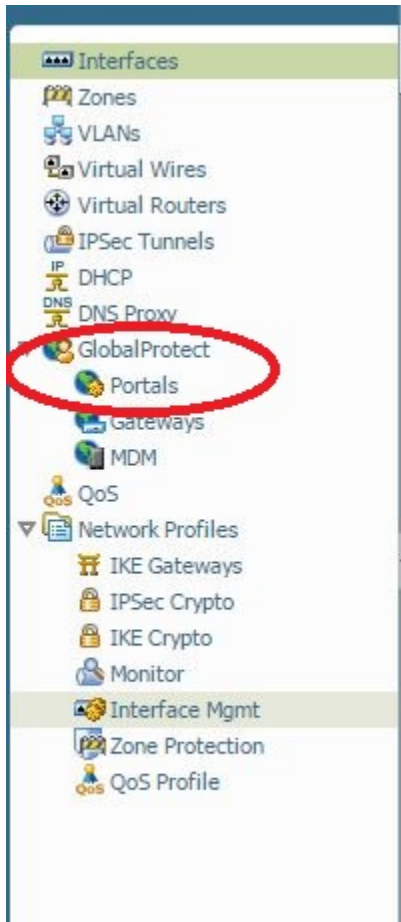
5. Enter a name for the new **Authentication Profile** and configure the settings

6. For **Authentication**, select **RADIUS** as the authentication method


7. For **Server Profile**, select the **SecureAuth RADIUS Profile** created in step 2 and click **OK**



8. Click the **Network** tab



9. Navigate to the **GlobalProtect Portal** of the PAN by clicking **Portals** and then clicking **Add**

 You can also use the existing portal, if any exists

GlobalProtect Portal

Portal Configuration

Client Configuration

Satellite Configuration

Name: SecureAuth_Portal

Network Settings

Interface: ethernet1/3

IP Address: None

Server Certificate: selfSign

Authentication

Authentication Profile: SA_Radius

Authentication Message: Enter login credentials

Client Certificate: None

Certificate Profile: None

Appearance

Custom Login Page: None

Custom Help Page: None

OK Cancel

10. Configure the portal with the following information

- **Name:** Enter a name for the realm
- **Network Setting:**
 - Interface
 - IP Address
 - Server Certificate
- **Authentication:**
 - Authentication Profile: Select the same one created in step 4
 - Other options can be customized as needed

11. Click **OK** and then test the Palo Alto Networks VPN