ESET
SECURE AUTHENTICATION

Citrix Access Gateway SSL VPN Integration Guide

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1. Overview

This document describes how to enable ESET Secure Authentication (ESA) Two-Factor Authentication (2FA) for a Citrix Access Gateway SSL VPN appliance.

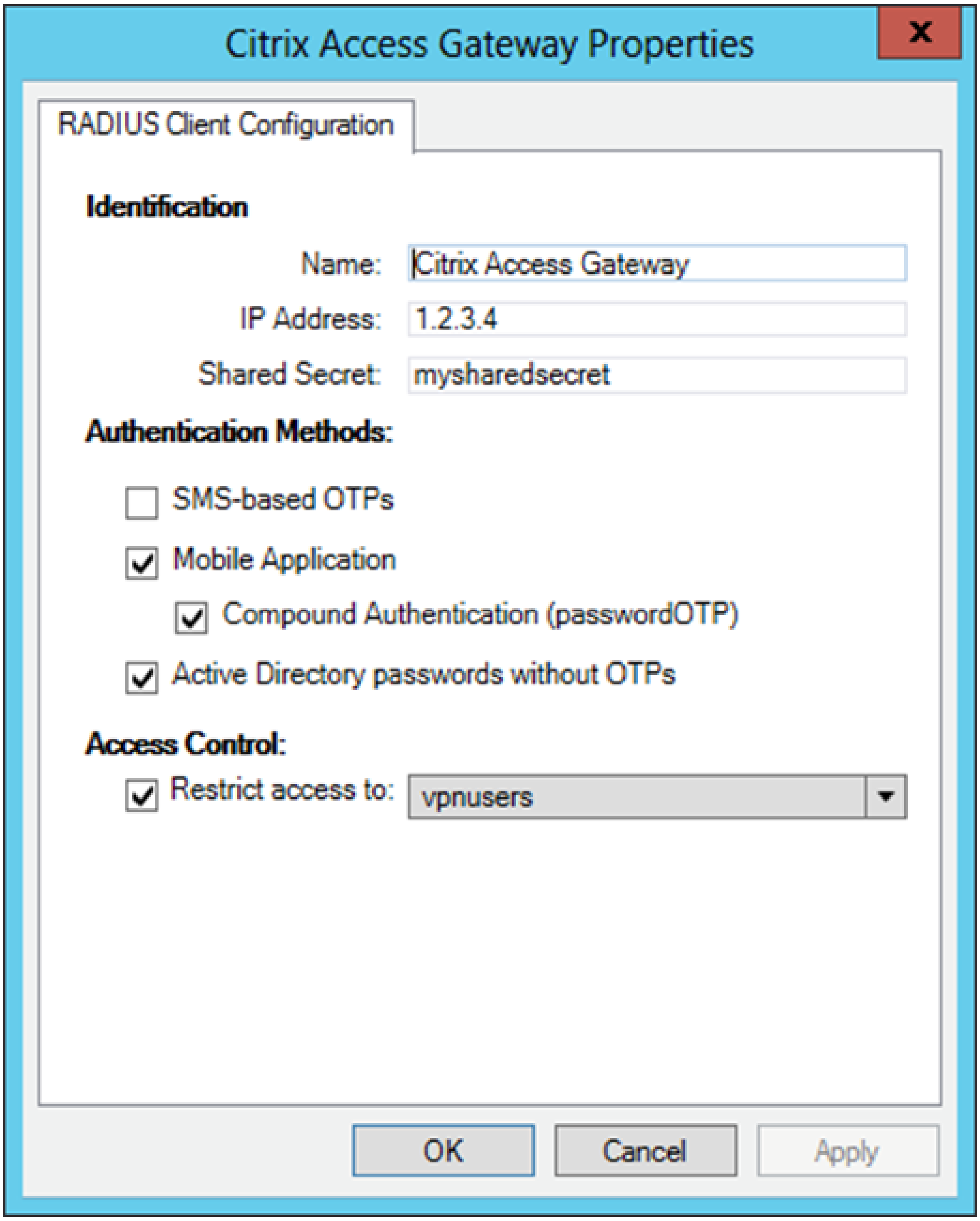
2. Prerequisites

Configuring the device for 2FA requires:

- A functional ESA RADIUS server that has your Citrix Access Gateway VPN configured as a client, as per **Figure 1**.

Note: To prevent locking any existing, non-2FA enabled AD users out of your VPN, we recommend that you allow Active Directory passwords without OTPs during the transitioning phase. It is also recommended that you limit VPN access to a security group (for example **VPNusers**).

- A Citrix Access Gateway appliance.



Citrix Access Gateway Properties

RADIUS Client Configuration

Identification

Name: Citrix Access Gateway

IP Address: 1.2.3.4

Shared Secret: mysharedsecret

Authentication Methods:

□ SMS-based OTPs

☑ Mobile Application

☑ Compound Authentication (passwordOTP)

☑ Active Directory passwords without OTPs

Access Control:

☑ Restrict access to: vpnusers

Figure 1

The RADIUS client settings for your Citrix Access Gateway device. Note that the check boxes next to **Mobile Application**, **Compound Authentication** and **Active Directory passwords without OTPs** must be selected and the **IP Address** is the internal address of your Citrix appliance.

3. Integration instructions

1. Add a new Authentication Profile:
   a. Login to your Citrix Access Gateway admin interface.
   b. Click **Management** > **Authentication Profiles**.
   c. Click **Add**.
   d. Select **RADIUS**.
   e. In the **RADIUS Properties** window, enter a Profile Name (for example, ESA RADIUS)
   f. Click **New** below the **Servers list** section, and fill in the following values:
      i. **Server**: The IP Address of your ESA RADIUS server
      ii. **Shared Secret**: The shared secret, as shown in **Figure 1**
      iii. **Confirm Secret**: Same as above
   g. Click **OK**.
   h. Click **Save**.

2. Add a logon point:
   a. Click **Management** > **Logon Points**.
   b. Click **Add** (or **Edit** an existing logon point).
   c. In **Authentication Profiles**, next to the **Primary** field, select **ESA RADIUS**.
   d. Click **Save**.

3. Test the authentication:
   a. Navigate to the URL that you normally use for SSL VPN logins with your Citrix Access Gateway appliance.
   b. Enter the credentials of your test user:
      i. Ensure that you are using a user that has been configured for Mobile Application 2FA using ESA.
      ii. In the password field, append the OTP generated by the Mobile Application to your AD password. i.e. if the user has an AD password of Esa123 and an OTP of 999111, then type in Esa123999111.

4. Troubleshooting

If you are unable to authenticate via the ESA RADIUS server, ensure you have performed the following steps:

1. Run a smoke test against your RADIUS server, as described in the **Verifying ESA RADIUS Functionality** document.
2. If you are still unable to connect, revert to an existing sign-in configuration (that does not user 2FA) and verify that you are able to connect.
1. If you are still able to connect with the old settings, restore the new settings and verify that your firewall is not blocking UDP 1812 between your VPN device and your RADIUS server.
2. If you are still unable to connect, contact ESET technical support.