Configure Duo IdP SAML SSO for ESA and SMA

Contents

Introduction

This document describes how to configure Duo Access Gateway for SAML SSO for Cisco ESA and SMA.

Environment

- Cisco ESA/SMA: AsyncOS latest version
- Duo Access Gateway: deployed and reachable from the ESA/SMA management interface
- Authentication source: Active Directory, OpenLDAP, Azure AD, or another SAML identity provider (for attribute mapping)

Problem

This document describes the Duo-side configuration only. It does not cover the Cisco ESA/SMA Service Provider (SP) configuration.

Prerequisites

Terminology

- Identity Provider (IdP)
- Single Sign-On (SSO)
- Email Security Appliance (ESA)
- Security Management Appliance (SMA)
- Assertion Consumer Service (ACS)
- Service Provider (SP)

Requirements

Before you begin:

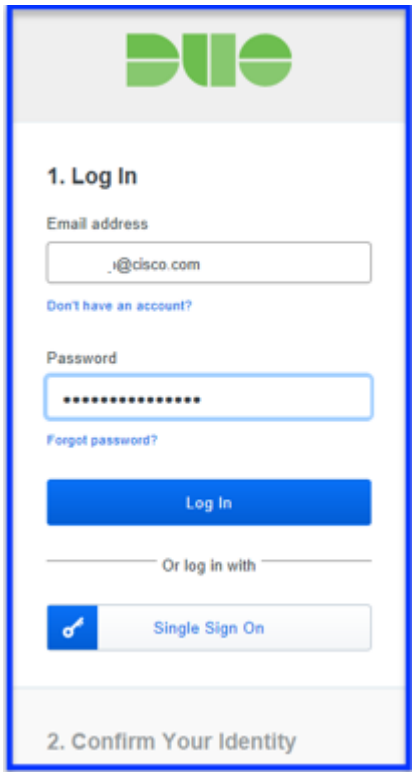
- Ensure Duo Access Gateway is deployed and has a configured authentication source.
- Deploy Duo Access Gateway with a configured authentication source.
- Duo can require a separate application for each ESA if multiple Assertion Consumer Service (ACS) URLs are not supported.

The configuration consists of two phases:

1. Configure the Duo cloud application.
2. Add the new cloud application to Duo Access Gateway.

Create the Cloud Application

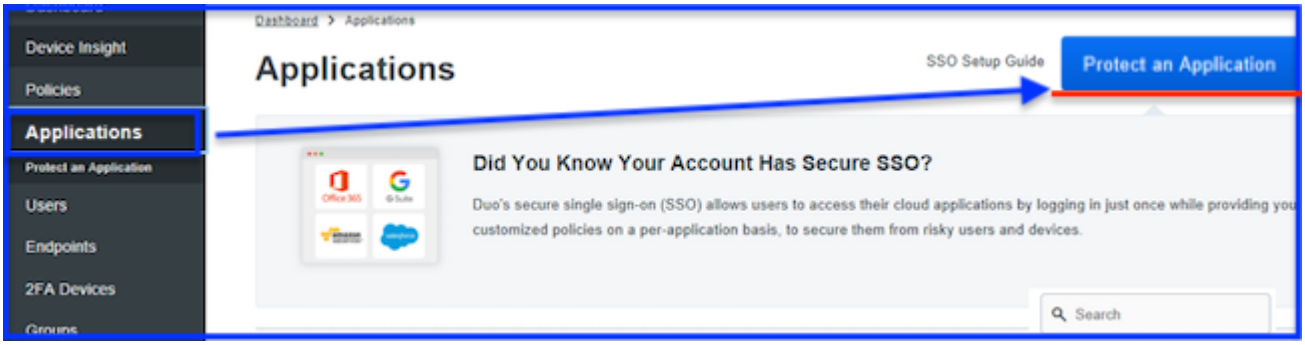
1. Log in to https://admin.duosecurity.com/.



duo.com

duo.com

2. Navigate to **Applications > Protect an Application**.

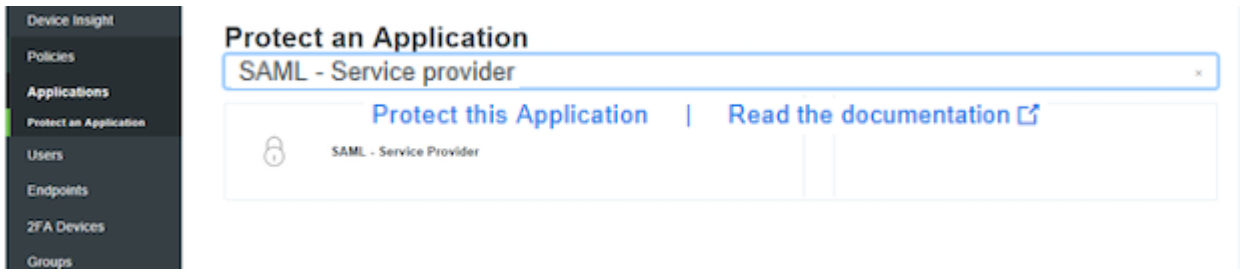


Protect an Application

Protect an Application

3. Search for **SAML - Service Provider**.

4. When the SAML icon appears, select **Protect this Application**.



Protect this Application

Protect this Application

5. Complete the Service Provider Profile:

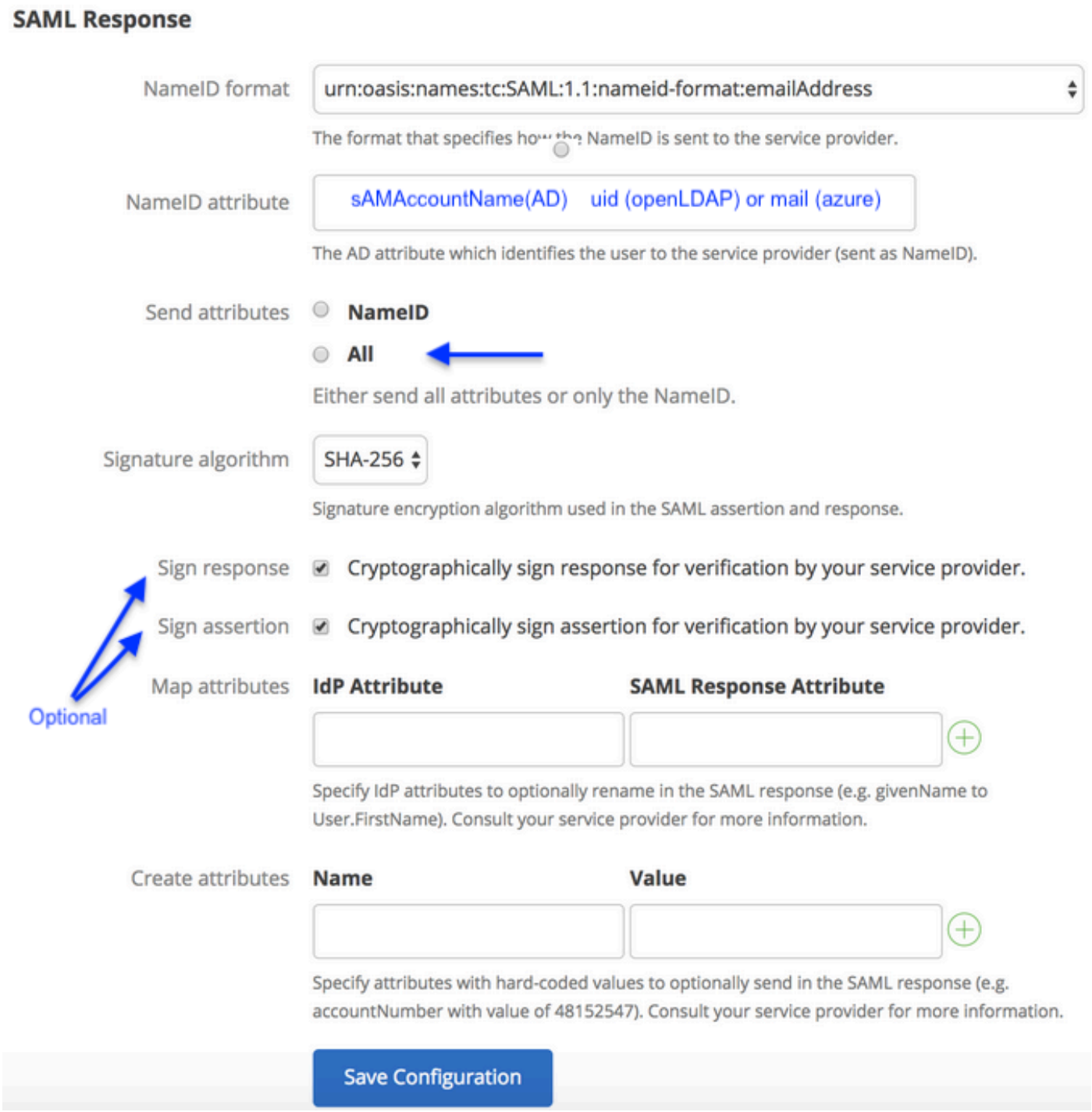
- **Service Provider Name:** Enter a name of your choice.
- **Entity ID:** Enter a common name to identify the ESA/SMA.
- **Assertion Consumer Service:** Enter the reachable ESA/SMA URL.

6. Use these NameID attribute values based on the authentication source:

Attribute	Active Directory	OpenLDAP	SAML Identity Provider (IdP)	Azure AD
Mail attribute	mail	mail	mail	mail
Username attribute	sAMAccountName	uid	mail	mail
First name attribute	givenName	gn	givenName	givenName
Last name attribute	sn	sn	sn	surname

- **Send attributes** is optional. Select either **NameID** or **ALL**.
- **Sign response** and **Sign assertion** are optional. These settings must match on the IdP and SP.

7. Select **Save Configuration**.



SAML Response

SAML Response

8. Finally, download the configuration file.

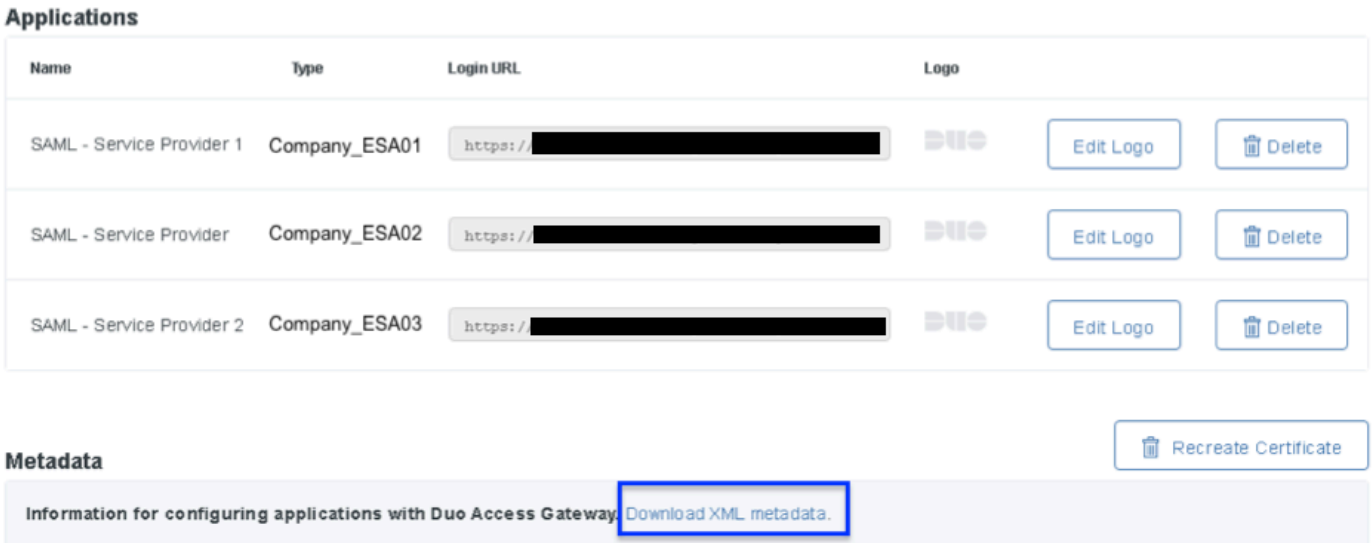
Add new Cloud Application to the Duo Access Gateway

1. Log in to Duo Access Gateway.

2. Navigate to **Application > Add Application > Configuration file > Choose File**.

3. Select the application configuration created in Step 1, and then select **UPLOAD**.

4. Download the XML metadata for use on the SP hosts as the IdP configuration.



View of Applications and Download XML Metadata

View of Applications and Download XML Metadata

5. Return to the ESA/SMA to complete the SAML SSO configuration.

- Expected outcome: the Duo Access Gateway application is created, and the IdP XML metadata is ready to import into the ESA/SMA.

6. Use the downloaded metadata in the subsequent ESA/SMA procedure.

Next Steps (ESA/SMA Configuration)

This article covers the Duo-side configuration only. To complete the setup on the ESA/SMA, follow the instructions.

Verification

- Confirm that the application appears in Duo Access Gateway under **Applications**.
- Confirm that the IdP XML metadata downloads successfully and is ready to import on the ESA/SMA.

Related Information

- Duo documentation for SAML SSO