

Configure SAML Authentication for SWG with ADFS and UPN

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Introduction

This document describes how to configure SAML authentication for Secure Web Gateway (SWG) using Active Directory Federated Services (ADFS).

Requirement for SAML Authentication

Umbrella SAML authentication requires the SAML response to include the end user's userPrincipalName (for example, [user@domain.local](#)) as the Name ID claim. This requirement applies to all Identity Providers. Some, such as ADFS, require manual configuration to include this attribute.

Configuration Steps in ADFS

1. In ADFS, select the **Relying Party Trust** created for Umbrella under **ADFS > Relying Party Trusts**.
2. Click **Edit Claim Issuance Policy**.
3. Add a new rule using the claim template **Send LDAP Attribute as claims**.
4. Configure the rule to map the LDAP attribute **userPrincipalName** to the SAML outgoing claim type **Name ID**.

You can configure this rule to send the values of LDAP attributes as claims. Select an attribute store from which to extract LDAP attributes. Specify how the attributes will map to the outgoing claim types that will be issued from the rule.

Claim rule name:

UPN to Name ID

Rule template: Send LDAP Attributes as Claims

Attribute store:

Active Directory

Mapping of LDAP attributes to outgoing claim types:

| | LDAP Attribute (Select or type to add more) | Outgoing Claim Type (Select or type to add more) |
|---|---|--|
| ▶ | User-Principal-Name | Name ID |
| * | | |

View Rule Language...

OK

Cancel

Screenshot_2021-10-20_at_12.33.50.png

5. Save the configuration.

UPN Versus E-Mail Address

A user's UPN (for example, [user@domain.local](#)) often matches the user's e-mail address. In some environments, the e-mail address (for example, [user@externaldomain.tld](#)) differs from the UPN.

- Umbrella requires the Identity Provider to send the **Name ID** claim with the UPN value.
- This must match the username provisioned in **Deployments > Users and Groups** in Umbrella.
- Umbrella user provisioning tools (such as the AD Connector) identify users by their UPN.