

为Microsoft Entra ID SSO配置SNA Manager

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简介

本文档介绍如何配置安全网络分析(SNA)以使用Microsoft Entra ID进行单点登录(SSO)。

先决条件

要求

Cisco 建议您了解以下主题：

- Microsoft Azure
- 安全网络分析

使用的组件

- SNA Manager v7.5.2
- Microsoft Entra ID

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

配置步骤

在Azure中配置企业应用程序

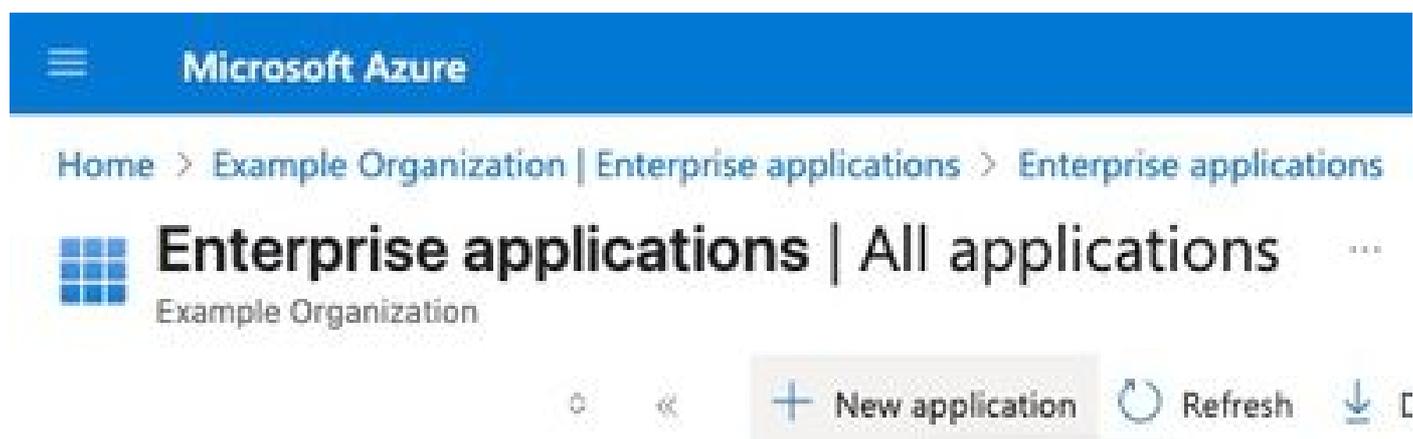
1. 登录到[Azure云门户](#)。

2.在搜索框中搜索Entra ID服务，然后选择Microsoft Entra ID。



3.在左侧窗格中，展开Manage，然后选择Enterprise Applications。

4.单击New Application。



5.在加载的新页面上，选择“创建自己的应用程序”。



[Home](#) > [Enterprise applications](#) | [All applications](#) >

Browse Microsoft Entra Gallery

[+ Create your own application](#) | [Got feedback?](#)

The Microsoft Entra App Gallery is a catalog of thousands of applications. Browse or create your own application here. If you are want

Sir

Cloud platforms

Azure-UI

- 6.在What's name of your app (您的应用名称是什么?) 中为应用提供名称。字段。
- 7.选择单选按钮“集成在图库 (非图库) 中找不到的所有其他应用程序”，然后单击“创建”。

Create your own application



 Got feedback?

If you are developing your own application, using Application Proxy, or want to integrate an application that is not in the gallery, you can create your own application here.

What's the name of your app?

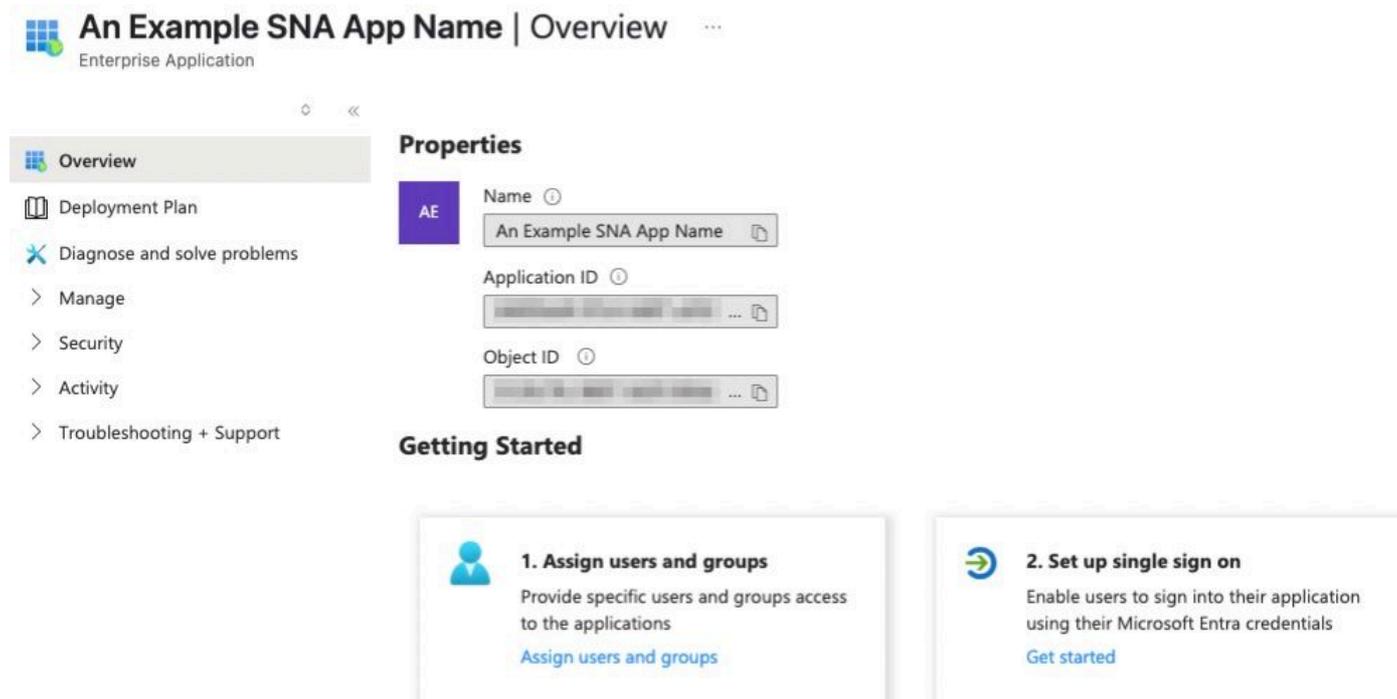
An Example SNA App Name 

What are you looking to do with your application?

- Configure Application Proxy for secure remote access to an on-premises application
- Register an application to integrate with Microsoft Entra ID (App you're developing)
- Integrate any other application you don't find in the gallery (Non-gallery)

Create

8. 在新配置的应用控制面板上，单击设置单点登录。



The screenshot shows the 'Overview' page for an application named 'An Example SNA App Name'. The page is divided into several sections:

- Overview:** A sidebar menu with options: Overview (selected), Deployment Plan, Diagnose and solve problems, Manage, Security, Activity, and Troubleshooting + Support.
- Properties:** A section with a purple 'AE' icon and three input fields: 'Name' (An Example SNA App Name), 'Application ID' (a long alphanumeric string), and 'Object ID' (another long alphanumeric string). Each field has a copy icon to its right.
- Getting Started:** A section with two numbered steps:
 - 1. Assign users and groups:** Provide specific users and groups access to the applications. Includes a link 'Assign users and groups'.
 - 2. Set up single sign on:** Enable users to sign into their application using their Microsoft Entra credentials. Includes a link 'Get started'.

9.选择SAML。

An Example SNA App Name | Single sign-on ...
Enterprise Application

Overview
Deployment Plan
Diagnose and solve problems
Manage
Properties
Owners
Roles and administrators
Users and groups
Single sign-on
Provisioning
Application...

Single sign-on (SSO) adds security and convenience when users sign on to applications in Microsoft Entra ID by enabling a user's organization to sign in to every application they use with only one account. Once the user logs into an application, that credential is used for all the other applications they need access to. [Learn more](#).

Select a single sign-on method [Help me decide](#)

Disabled
Single sign-on is not enabled. The user won't be able to launch the app from My Apps.

SAML
Rich and secure authentication to applications using the SAML (Security Assertion Markup Language) protocol.

10.在“使用SAML设置单一登录”页面上，单击“基本SAML配置”下的编辑。

Set up Single Sign-On with SAML

An SSO implementation based on federation protocols improves security, reliability, and end user experiences and is easier to implement. Choose SAML single sign-on whenever possible for existing applications that do not use OpenID Connect or OAuth. [Learn more](#).

Read the [configuration guide](#) for help integrating An Example SNA App Name.

1 Basic SAML Configuration [Edit](#)

Identifier (Entity ID)	Required
Reply URL (Assertion Consumer Service URL)	Required
Sign on URL	Optional
Relay State (Optional)	Optional
Logout Url (Optional)	Optional

11.在Basic SAML Configuration窗格下，将Add Reply URL配置到 <https://example.com/fedlet/fedletapplication>，用SNA Manager的FQDN替换example.com，然后单击save。

Basic SAML Configuration

 Save |  Got feedback?

Identifier (Entity ID) *

The unique ID that identifies your application to Microsoft Entra ID. This value must be unique across all applications in your Microsoft Entra tenant. The default identifier will be the audience of the SAML response for IDP-initiated SSO.

Default

[Add identifier](#)

Reply URL (Assertion Consumer Service URL) *

The reply URL is where the application expects to receive the authentication token. This is also referred to as the "Assertion Consumer Service" (ACS) in SAML.

Index

Default

[Add reply URL](#)

12. 找到SAML Certificates卡并保存App Federation Metadata URL字段值，然后下载Federation Metadata XML。

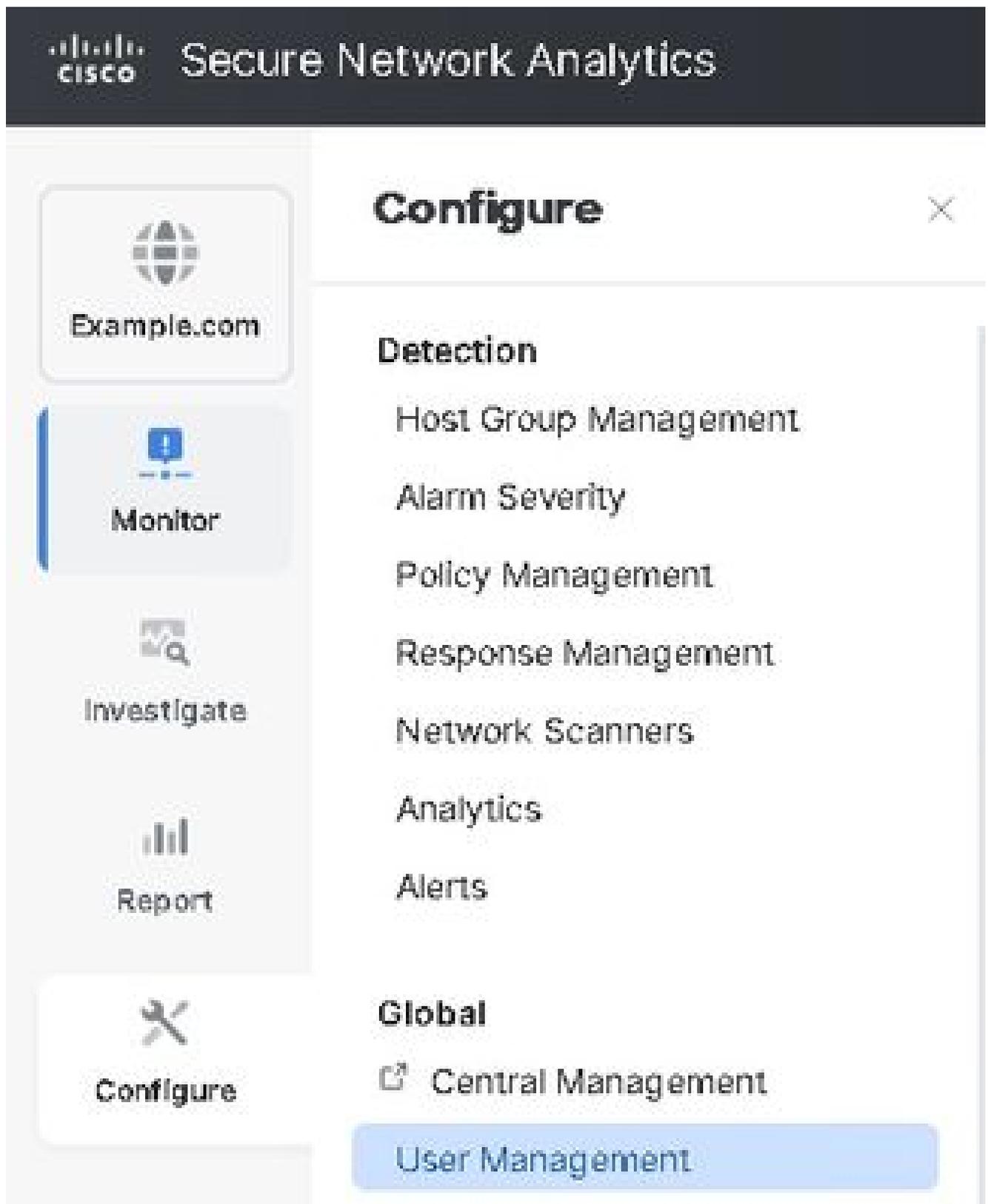
3 SAML Certificates

Token signing certificate		 Edit
Status	Active	
Thumbprint	123456789abcdefghijklmnop	
Expiration	6/3/2028, 8:39:10 AM	
Notification Email	someuser@example.com	
App Federation Metadata Url	<input type="text" value="https://login.microsoftonline.com/af42bac0-52aa- ..."/>	
Certificate (Base64)	Download	
Certificate (Raw)	Download	
Federation Metadata XML	Download	

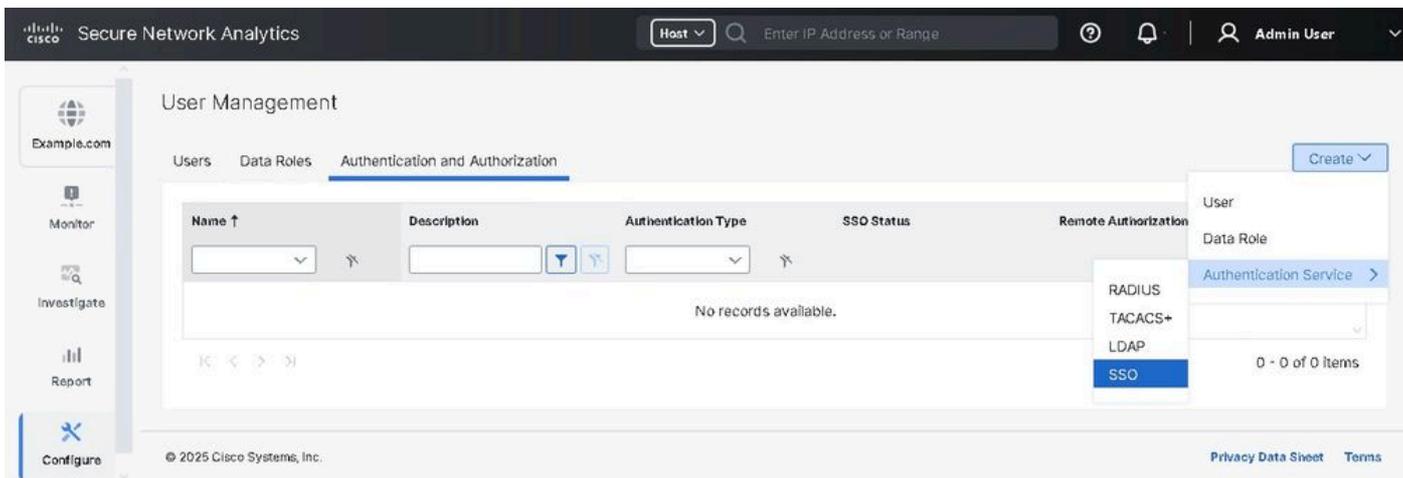
Verification certificates (optional)		 Edit
Required	No	
Active	0	
Expired	0	

在SNA中配置和下载服务提供商XML文件

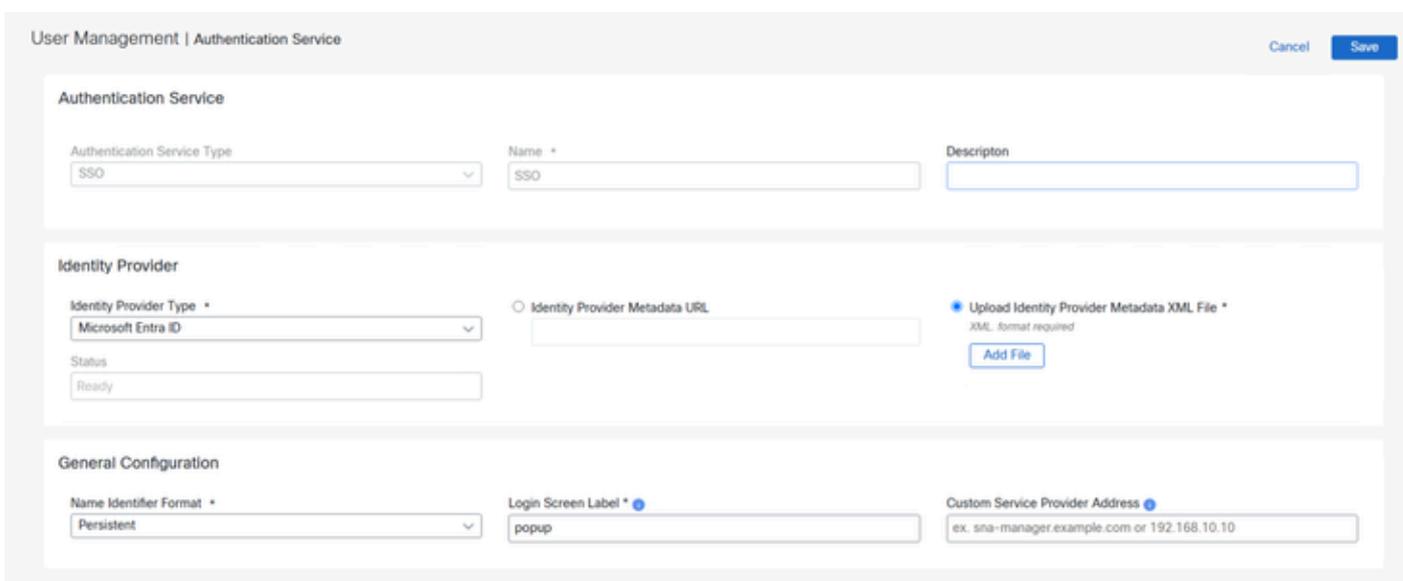
1. 登录到SNA Manager UI。
2. 导航到配置>全局>用户管理。



3. 在Authentication and Authorization选项卡下，单击Create > Authentication Service > SSO。



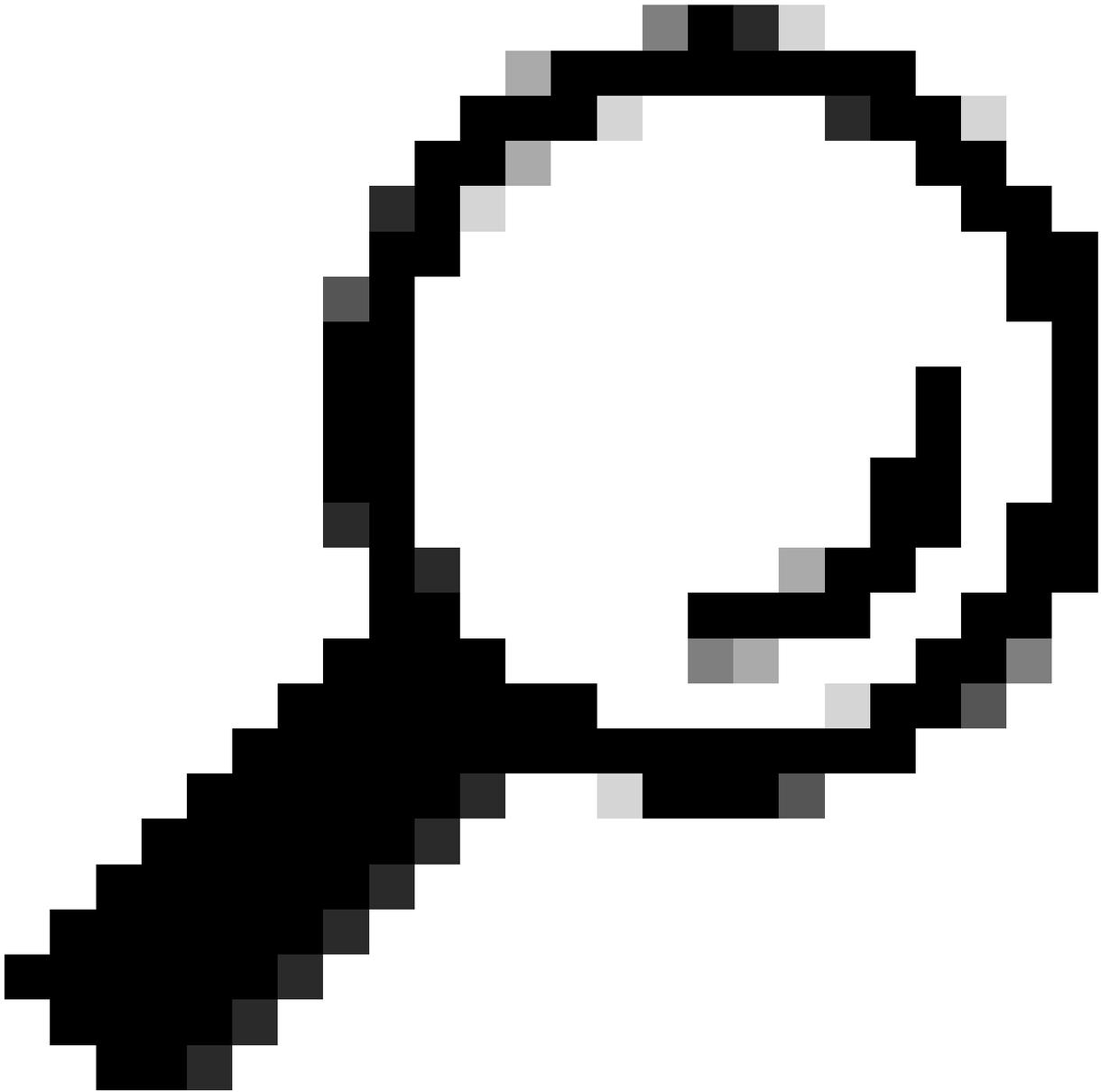
4.为身份提供程序元数据URL或上传身份提供程序元数据XML文件选择相应的单选按钮。





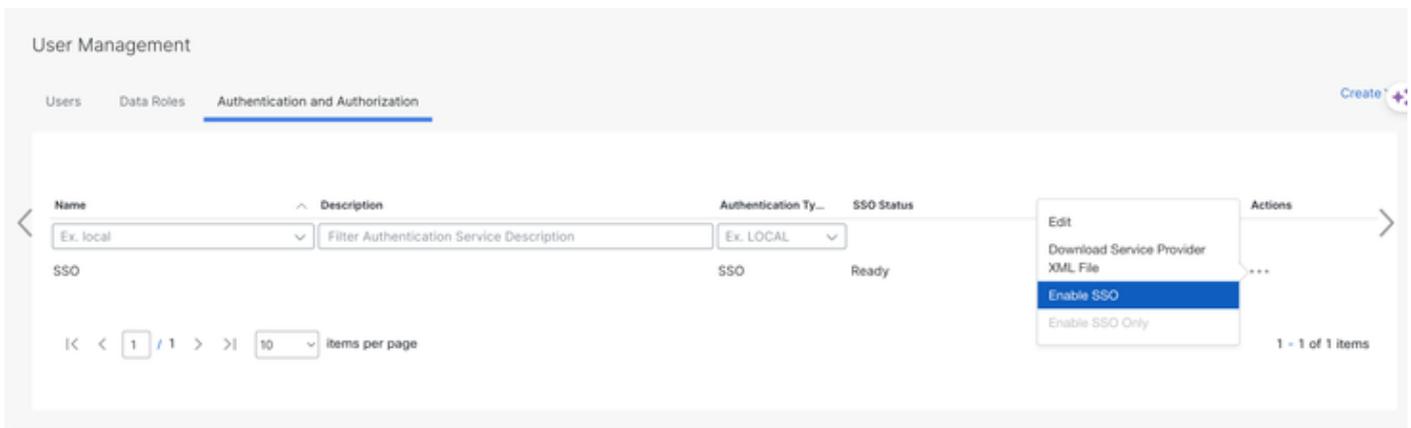
注意：在此演示中，已选择上传身份提供程序元数据XML文件。

5.将“身份提供程序类型”字段配置为Microsoft Entra ID，将名称标识符格式配置为Persistent，键入登录屏幕标签。

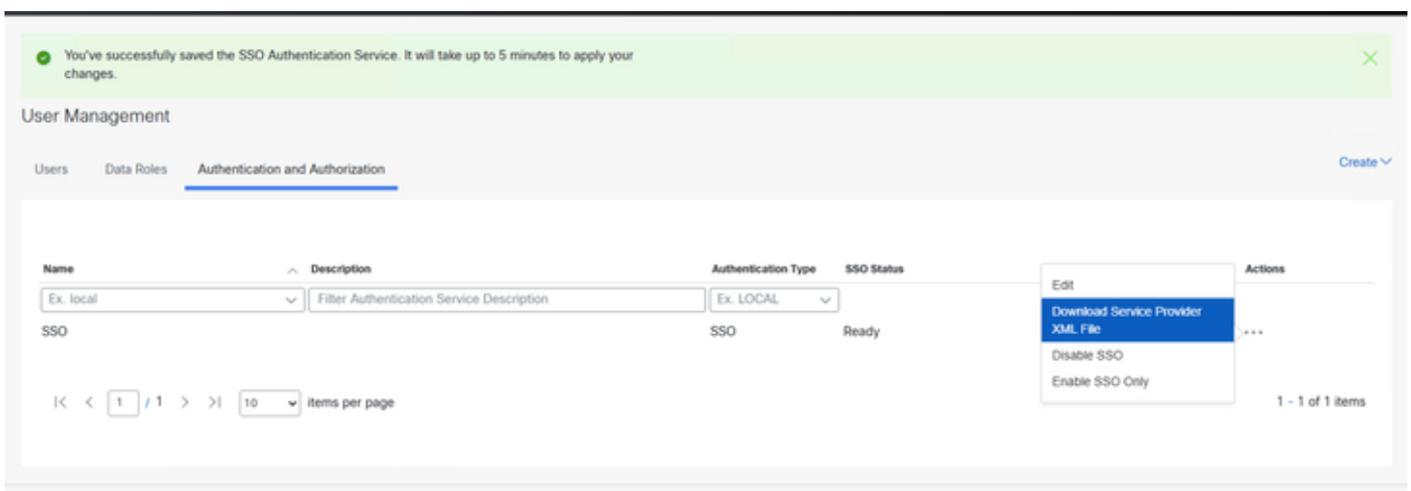


提示：配置的登录屏幕标签（名称/文本）显示在“使用SSO登录”按钮上方，不应留空。

-
- 6.单击Save，返回到Authentication and Authorization选项卡。
 - 7.等待状态变为READY，然后从操作菜单中选择Enable SSO。

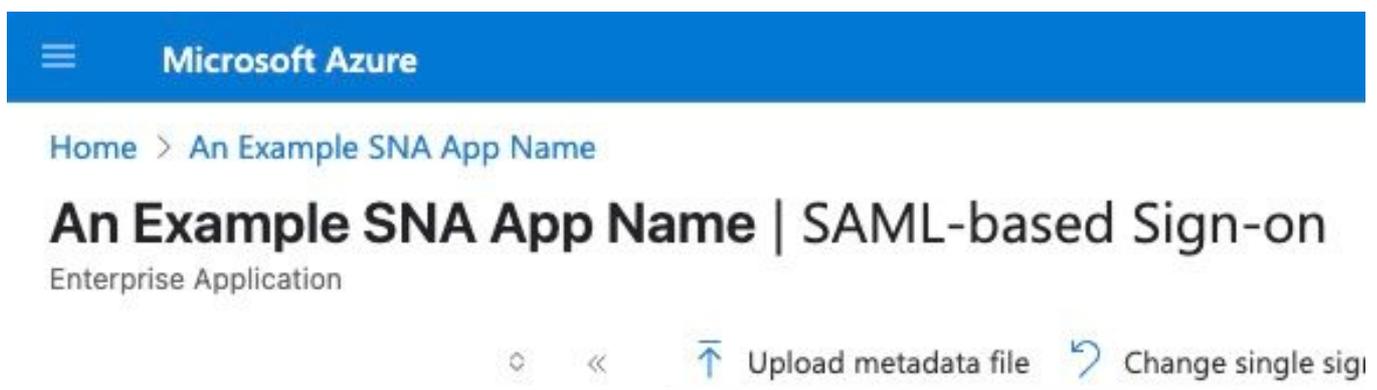


8.在Authentication and Authorization选项卡下，单击Actions列中的三个点，然后单击Download Service Provider XML File。



在Azure中配置SSO

- 1.登录Azure门户。
- 2.从搜索栏导航至企业应用程序>选择已配置企业应用程序>单击设置单点登录。
- 3.单击页面顶部的上传元数据文件，并上传从SNA Manager下载的sp.xml文件。
- 4.打开“基本SAML配置”屏幕并将各种设置设置为正确的值，单击“保存”。





注意：确保Entra ID中的Name ID Format正确。

5.找到Attributes & Claims部分，然后点击Edit。

Set up Single Sign-On with SAML

An SSO implementation based on federation protocols improves security, reliability, and end user experiences and is easier to implement. Choose SAML single sign-on whenever possible for existing applications that do not use OpenID Connect or OAuth. [Learn more.](#)

Read the [configuration guide](#) for help integrating An Example SNA App Name.

1 Basic SAML Configuration Edit

Identifier (Entity ID)	https://example.com/fedlet
Reply URL (Assertion Consumer Service URL)	https://your-sna-manager-fqdn.com/fedlet/fedletapplication
Sign on URL	Optional
Relay State (Optional)	Optional
Logout Url (Optional)	Optional

2 Attributes & Claims Edit

givenname	user.givenname
surname	user.surname
emailaddress	user.mail
name	user.userprincipalname
Unique User Identifier	user.userprincipalname

6.单击Claim Name部分下的user.userprincipalname值。

[Home](#) > [An Example SNA App Name | SAML-based Sign-on](#) > [SAML-based Sign-on](#) >

Attributes & Claims

[+](#) Add new claim [+](#) Add a group claim [☰](#) Columns | [🗨️](#) Got feedback?

Required claim

Claim name	Type	Value
Unique User Identifier (Name ID)	SAML	user.userprincipalname [...]

7.在Manage Claim页面Verify下选择name identifier format。



Manage claim ...

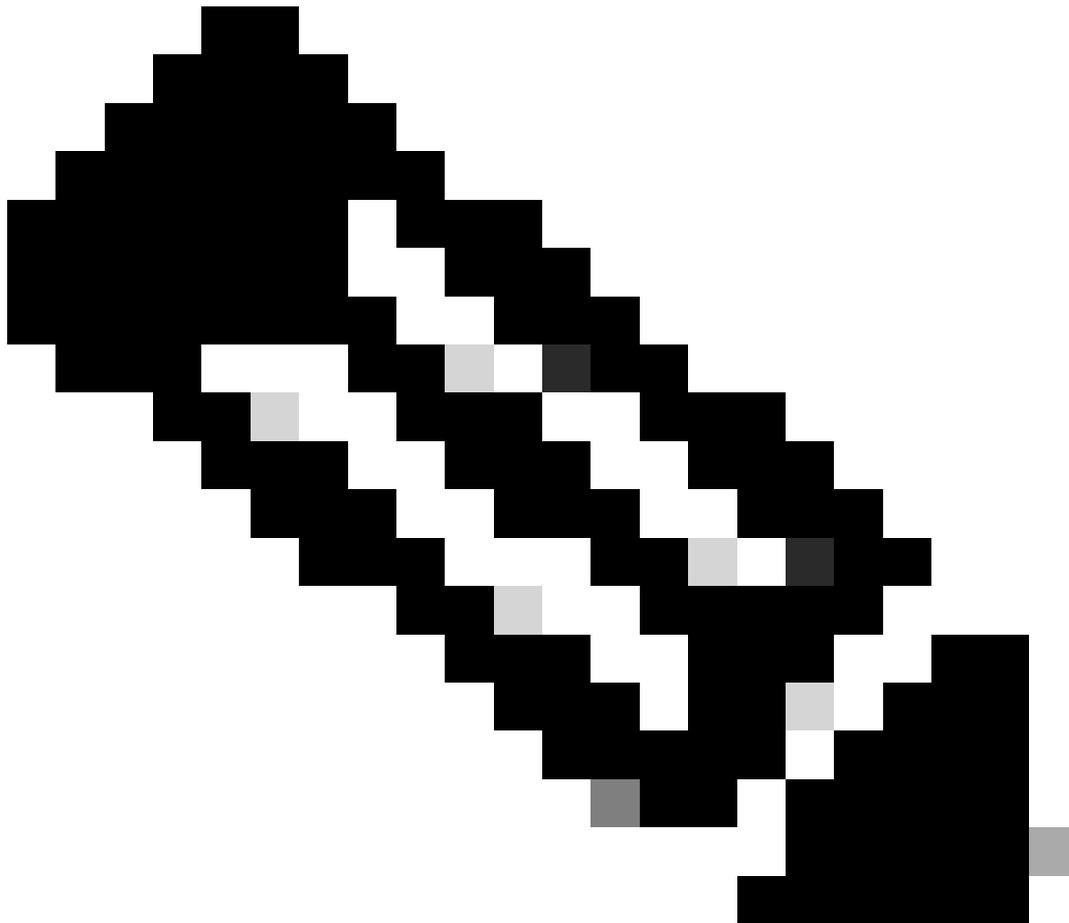
Save Discard changes | Got feedback?

Name

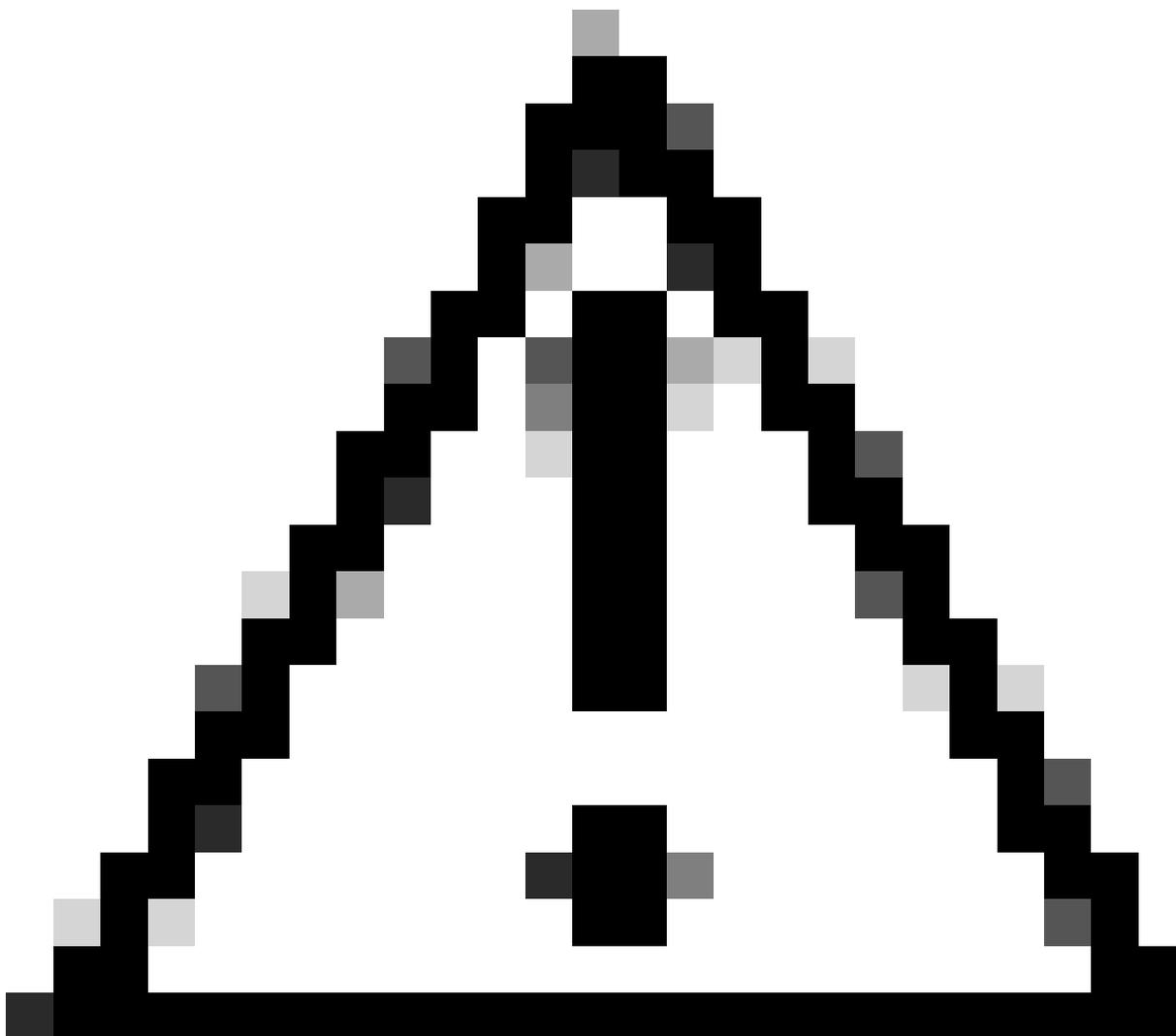
Namespace

^ Choose name identifier format

Name identifier format *



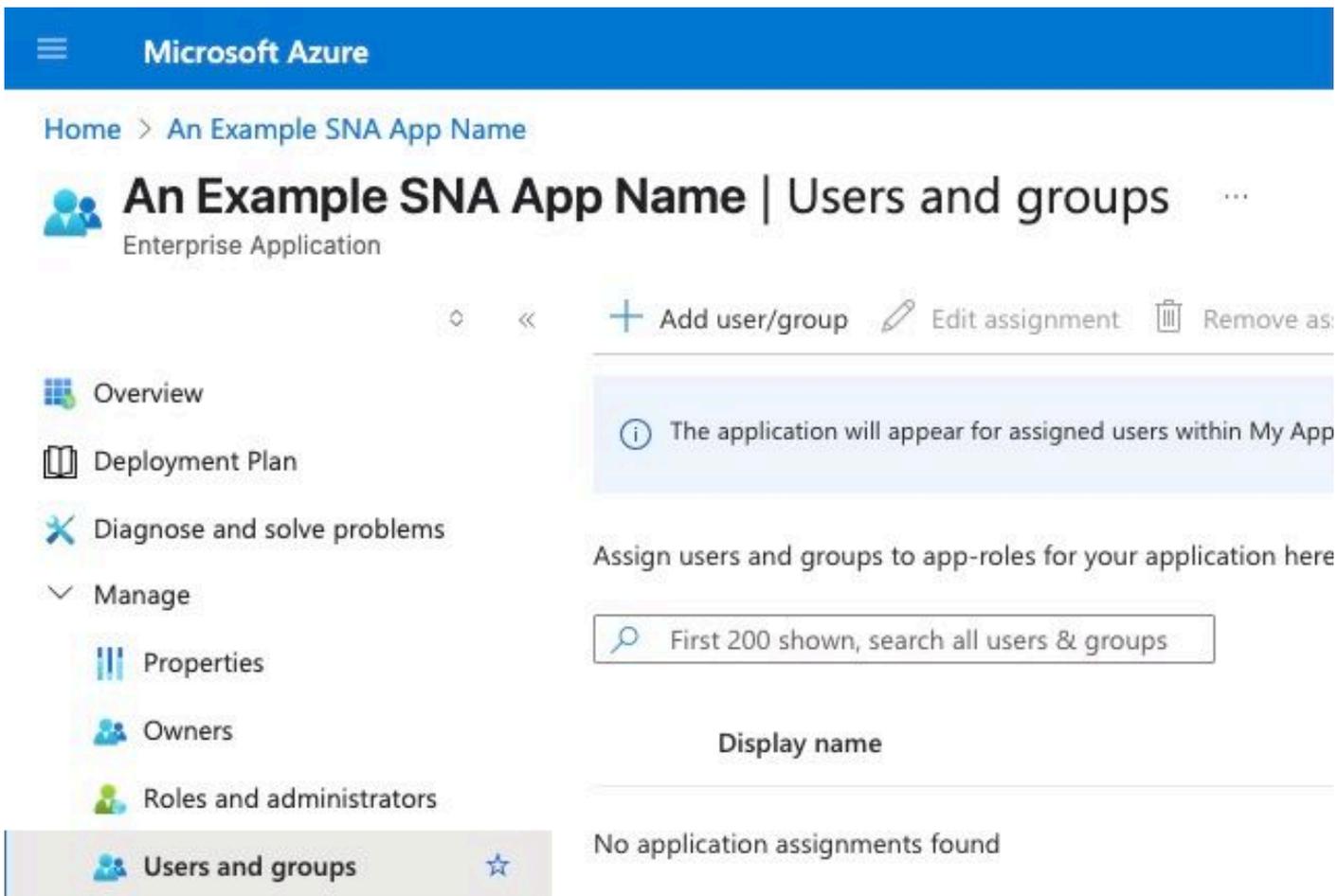
注意：名称标识符格式字段设置为“持续”(Persistent) (如果不是)，则从下拉菜单中选择该字段。如果进行了更改，请单击“保存”。



警告：这是最常见的问题所在。SNA Manager和Microsoft Azure上的设置必须匹配。如果您选择在SNA中使用“emailAddress”格式，则此处的格式也必须是“Email Address”。

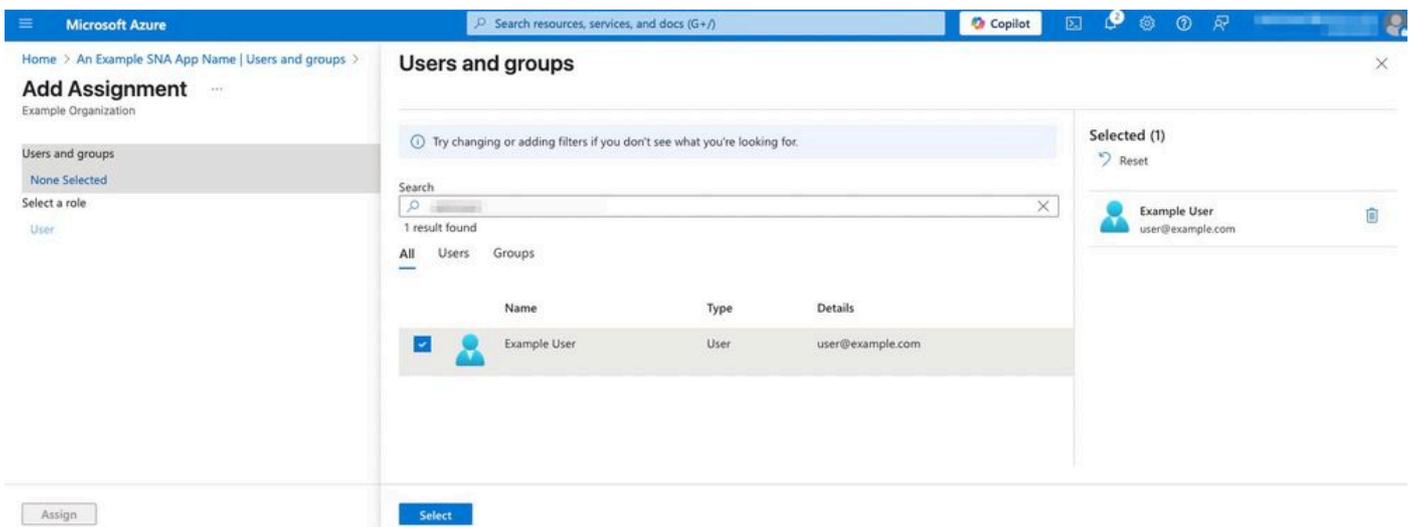
在Entra ID中设置用户。

- 1.登录Azure[门户](#)。
- 2.从搜索栏导航到“企业应用”>“选择已配置的企业应用”>选择左侧的“用户和组”>单击“添加用户/组”。



3.在左侧窗格中，单击None Selected。

4.搜索所需的用户并将其添加到应用程序。

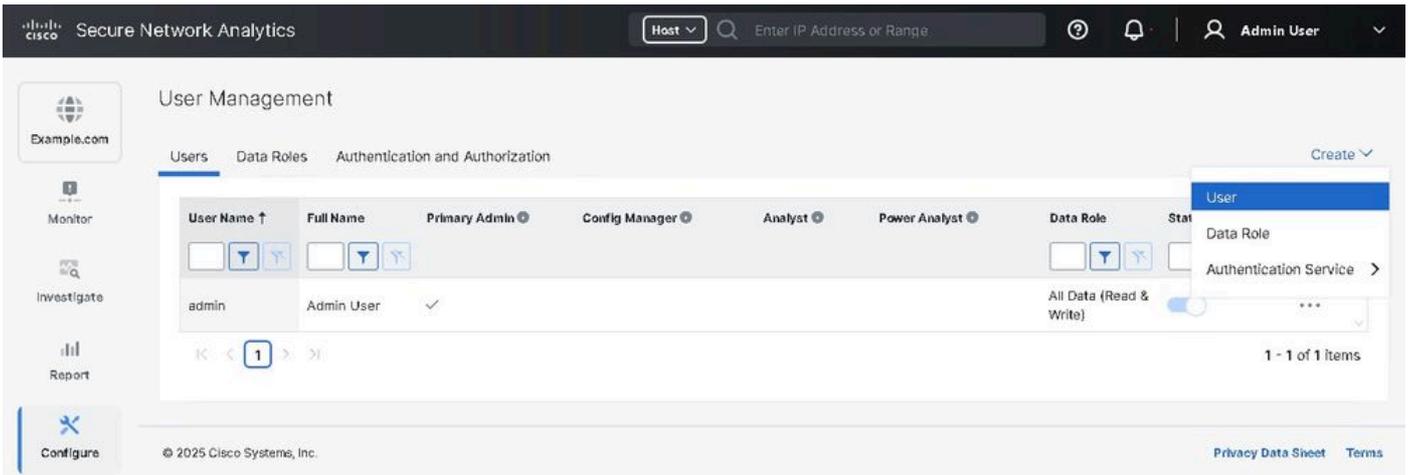


在SNA中配置SSO

1.登录到SNA Manager UI。

2.定位至配置>全局>用户管理。

3.单击创建>用户。



4.通过提供与选为SSO的身份验证服务相关的详细信息来配置用户，然后单击Save。

在SNA-UI中创建SAML用户

故障排除

如果用户无法登录到SNA Manager，则可以使用SAML跟踪器进行进一步调查。

如果需要进一步协助调查SNA Manager，可以提出TAC案例。

<https://www.cisco.com/c/en/us/support/web/tsd-cisco-worldwide-contacts.html>

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