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# Introduction

This document describes integration with Okta as the identity provider.

For information on configuring Okta for SAML SSO, refer to the following article.

https://help.okta.com/en/prod/Content/Topics/Apps\_App\_Integration\_Wizard\_SAML.ht m

Note that the developer edition of Okta was used for demonstration purposes.

# Adding a SAML Application

Login to Okta as an administrator.

Switch from the Developer Console to the Admin Console by selecting the Developer Console > Classic UI link in the top left corner.

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→ C	admin.oktaprevie	ew.com/dev/console				☆ 🙂	0	D #	6
{	> Developer Con	isole · Search people, apps	C.S API Workflov	upport · ComponentSpace-dev-62	27539 Documentation & Support Sign out				
c	) Dashb	oard			Org URL: https://componentspace.oktapreview.cc	m			
	Total Users 2		Authenticat 13	tions	Failed Logins				
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s	ystem Log	5							
.1	Time	Actor		Event Info	Targets				
	Apr 01 13	3:37:24 ComponentSpace Su	pport (User)	Evaluation of sign-on policy allow	Default Policy (PolicyEntity) Default Rule (PolicyRule)				
	Apr 01 13	3:37:24 ComponentSpace Su	pport (User)	User login to Okta success					
	Apr 01 13	3:34:11 ComponentSpace Su	pport (User)	User accessing Okta admin app success	ComponentSpace Support (AppUser)				

Select Applications from the menu bar.

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okta		Q Search	O Description Space ~
Dashboard	^	Overview	Status
Dashboard Tasks Notifications Getting Started		Users  Groups SSO Apps 2 70% 1 70% 1 70% 9 Updated at 31 Mar, 06:35	Okta service     Agents       • Operational     No agents added
Directory Applications	~	Tasks Type Items Description	<b>(</b>
Security Workflow	~	All c	tone! No new tasks
Reports	~	Org changes Vie	w all Security Monitoring
Settings	v	No org changes in last 7 days	20% 2 of 10 tasks completed View HealthInsight Enable ThreatInsight to leverage data from the Okta customer network to identify and block malicious activity Give your users the option to report unrecognized activity by adding Suspicious Activity Reporting

# Click the Add Application button.

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okta		Q Search		Support@compone ComponentSpace				
Dashboard	~	. Applications						
Directory	~	Applications		• Help				
Applications	^	You have 10 apps remaining						
Applications		Upgrade to add more than 10 apps.		Upgrade				
Self Service		Upgrade to a paid plan to create more apps and get more	re monthly active users.					
Security	~	🛱 Add Application 🗮 Assign Users to App	More 🔻					
Workflow	~							
Reports	~	Q Search						
Settings	~	STATUS 🕞	Okta Admin Console					
		ACTIVE 0						
		INACTIVE 1	Okta Browser Plugin					
			Okta Dashboard					

Click the Create New App button.

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okta		Q Search			ComponentSpace		
Dashboard Directory	~	← Back to Applications			Create New App		Î
Applications	^		1				- 1
Applications		All Integrations 708	85 Q Search				
Self Service		Analytics and Automation 63 Collaboration Software 99	All Integrations				
Security	~	Developer Tools and Productivity 6	27 Featured Integrations		See all		. 1
Workflow	~	Directories and HR Systems	34	salesforce	Google Workspace		
Reports	~	Data Privacy and Consent Management	4 WOrkday Workday	Salesforce.com	Google Workspace		
		Identity Proofing Identity Governance and Administration	5 SAML, SWA, Provisioning	SAML, SWA, Provisioning	SAML, SWA, Provisioning		
		Marketing and Operations 7 Security 70	<sup>21</sup> <sup>03</sup> <b>i slack</b>	zoom	Office 365		
		Social Login Zero Trust Ecosystem	5 Slack 53 SAML, SWA, Provisioning	Zoom SAML, Provisioning	Microsoft Office 365		
		FILTERS Access					
		SAML OpenID Connect	more integrations				
		WS-Federation	ę	Monain	ę		

Specify Web as the platform and SAML 2.0 as the sign-on method.



Specify an app name. This is for display purposes only.

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okta			Q Search			ComponentSpace		
Dashboard Directory	~ ~		Create SAML Integra	tion				
Applications	~		1 General Settings	2 Configure SAML		3 Feedback		
Security	~							
Workflow	~		1 General Settings					
Reports	~		App name	ExampleServiceProvider	Ð			
Settings	~		App logo (optional)	Upload Logo Requirements • Must be PNG, JPG or GIF • Less than 1MB For Best Results, use a PNG image v • Minimum 420px by 120px to prevent upscalin • Landscape orientation • Transparent background	Browse vith			
			App visibility	Do not display application icon to users Do not display application icon in the Okta M	obile app			
			Cancel		Next			

Specify the assertion consumer service URL as the single sign-on URL.

For example:

https://localhost:44360/SAML/AssertionConsumerService

The same URL should be used for the recipient URL and destination URL.

Specify the service provider name as the audience URI.

For example:

https://ExampleServiceProvider

Relay state is not required.

The name ID format is unspecified.

The Okta username is used.

Attribute and group attribute names are not required.

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okta			Q Search			ComponentSpace
Dashboard Directory	* *		₩Create SAML Integr	ation		
Applications	~		1 General Settings	2 Configure SA	ML	3 Feedback
Security	~					
Workflow Reports	*		A SAML Settings General			What does this form do? This form generates the XML needed
Settings	~		Single sign on URL	https://localhost:44360/SAML/Asse	ertionConsumerSer	for the app's SAML request.
			Audiana IIDI (CD Entity ID)	<ul> <li>Use this for Recipient URL and De</li> <li>Allow this app to request other SS</li> </ul>	estination URL	Where do I hnd the info this form needs? The app you're trying to integrate with should have its own documentation on
			Audience ORI (SP Entity ID)	https://ExampleServiceProvider		doc, and it should outline what
			Default RelayState 🛛 🔘	If no value is set a blank RelayState is	sent	information you need to specify in this form.
			Name ID format 🛛 🚳	Unspecified *		Okta Certificate Import the Okta certificate to your Identity Provider if required.
			Application username	Okta username *		🛓 Download Okta Certificate
			Update application username on	Create and update *		
				SI	how Advanced Sett	ettings

Click the Show Advanced Settings link.

Enable single logout.

Specify the single logout URL.

For example:

https://localhost:44360/SAML/SingleLogoutService

Specify the SP issuer. This is the name of the service provider.

For example:

https://ExampleServiceProvider

Upload the service provider certificate.

For example:

Sp.cer

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okta		Q Search		O support@compone ~ ComponentSpace ~
Dashboard	~		Hide Advanced Settings	^
Directory	~	Response 🔘	Signed *	
Applications	~	Assertion Signature	Signed *	
Security	~	Signature Algorithm	RSA-SHA256 *	
Workflow	~	Digest Algorithm	2014055	
Reports	~	DiBast uBartanti 🖉	SHA256 *	
Settings	~	Assertion Encryption 🚳	Unencrypted *	
		Enable Single Logout	Allow application to initiate Single Logout	
		Single Logout URL	https://localhost:44360/SAML/SingleLogoutService	
		SP Issuer \tag	https://ExampleServiceProvider	
		Signature Certificate	undefined (CN=www.sn.com)	
			Upload Certificate	
		Assertion Inline Hook	None (disabled) *	
		Authentication context class	PasswordProtectedTransport *	
		Honor Force Authentication	Yes *	

Click the Next button, indicate this is an internal app, and click the Finish button.

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okta		Q Search		O support@compone ComponentSpace
Dashboard	~			
Directory	~	Create SAML Integra	ation	
Applications	~	(1) General Settings	2 Configure SAML	3 Feedback
Security	~			
Workflow	~	3 Help Okta Support understand how	you configured this application	Why are you asking me this?
Reports	~	Are you a customer or partner?	I'm an Okta customer adding an internal app	This form provides Okta Support with
Settings	~		<ul> <li>I'm a software vendor. I'd like to integrate my app with</li> <li>Okta</li> </ul>	useful background information about your app. Thank you for your help—we appreciate it.
		• The optional questions below ass	sist Okta Support in understanding your app integration.	
		App type 🜑	This is an internal app that we have created	
		Previous	Finish	
		© 2021 Okta, Inc. Privacy Ve	ersion 2021.03.3 OP1 Preview Cell (US) Sta	atus site _ Download Okta Plugin _ Feedback

View the setup instructions or download the identity provider metadata. This information will be required when configuring the service provider.

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$\leftrightarrow$ $\rightarrow$ $C$ $$ compo	nentspace	admin.oktapreview.com/admin/app/componentspace_exampleserviceprovider_1/instance/0oay5euw55qEX6xvS0h7#tab-signon	🖈 🤨 🖉 🐘 🗯 😗 🗄
okta		Q Search	ComponentSpace ~
Dashboard	~	← Back to Applications	
Directory Applications	× ^	ExampleServiceProvider	
Applications		General Sign On Mobile Import Assignments	
Self Service			
Security	~	Settings Edit	About SAML 2.0 streamlines the end user
Workflow Reports	~	Sign on methods	end their credentials. Users cannot edit their credentials when SAML 2.0 is
Settings	~	The sign-on method determines how a user signs into and manages their credentials for an application. Some sign-on methods require additional configuration in the 3 <sup>rd</sup> party application.	Additional configuration in the 3rd party application may be required to complete the integration with Okta
		Application user name is determined by the user prome mapping, coming in prome mapping	complete the integration with Okta.
		© SAML 2.0	Application Username
		Default Relay State	username value when assigning the application to users.
		SAML 2.0 is not configured until you complete the setup instructions.     View Setup Instructions     Identity Provider metadata is available if this application supports dynamic configuration.	to enter the username manually when assigning an application with password or profile push provisioning features.
		Credentials Details	

### Select the Assignments link.

σκία	Q Searc	1 O Support@compone ComponentSpace
ashboard irectory pplications Applications	← Back to Ap     General	iplications          ExampleServiceProvider         Active       View Logs Monitor Imports         Sign On       Mobile       Import
ecurity Vorkflow eports ettings	<ul> <li>Assignment</li> <li>Filters</li> <li>People</li> <li>Groups</li> </ul>	Person     Type       01101110 01101111 01101110 010010111     01101110 01101110 01101110       No users found

Assign users or groups to the application. Only users directly assigned or assigned through group membership may SSO to the application.

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okta		Q Search			ComponentSpace ~		
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Directory	~	Active •	View Logs Monitor Imports				
Applications		General Sign On Mobile Imp	ort Assignments				
Self Service							- 1
Security	~	Assign 🔹 🖌 Convert Assignment	s Q Search	People *	SELF SERVICE		
Workflow	~	Filters Person	Туре		service for org managed apps before you can use self		- 1
Reports	~	People Joe User	Individual	🖌 💉	service for this app. Go to self service settings		- 1
Settings	~	Groups	ientapace.com		Requests Disabled		- 1
					Edit		- 1
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		© 2021 Okta, Inc. Privacy Ve	ersion 2021.03.3 OP1 Preview Cell (L	US) Status	site Download Okta Plugin Feedback		

The application is now configured in Okta for SAML SSO.

# Service Provider Configuration

The service provider must be configured with Okta as a partner identity provider.

The Okta SAML configuration is available using the Sign On link for the application.

#### O ComponentSpace-dev-527539 - | × + ۵ × ntspace\_exampleserviceprovider\_1/instance/0oay5euw55qEX6xvS0h7/#tab-signon ☆ 🤠 🥥 💷 ╠ 🗯 🌀 ComponentSpace-... ~ okta Q Search. Dashboard ← Back to Applications Directory ExampleServiceProvider Ø Active • View Logs Monitor Imports Applications ^ Applications Sign On Assignments General Mobile Import Self Service About Security Settings Edit SAML 2.0 streamlines the end use experience by not requiring the user to Workflow know their credentials. Users canno Sign on methods edit their credentials when SAML 2.0 is Reports ~ configured for this application The sign-on method determines how a user signs into and manages their credentials for an Additional configuration in the 3rd Settings ~ application. Some sign-on methods require additional configuration in the 3<sup>rd</sup> party application. party application may be required to Application username is determined by the user profile mapping. Configure profile m complete the integration with Okta. Application Username SAML 2.0 Choose a format to use as the default username value when assigning the Default Relay State application to users. If you select None you will be prompted to enter the username manually when SAML 2.0 is not configured until you complete the setup instructions. assigning an application with password or profile push provisioning features. View Setup Instructions tity Provider metadata is available if this application supports dynamic configuration. Credentials Details

### ComponentSpace SAML for ASP.NET Okta Integration Guide

There are two options for setting up the partner identity provider configuration in the example service provider's SAML configuration.

The first option is to download Okta's SAML metadata and import this into the example service provider's SAML configuration. Please refer to the SAML Metadata Guide for more information.

The second option is to manually add a partner identity provider configuration using the information provided by Okta.

The identity provider single sign-on and single logout URLs are self-explanatory. The identity provider issuer corresponds to the partner identity provider name. The X.509 certificate is the partner certificate.



The following partner identity provider configuration is included in the example service provider's SAML configuration.

<PartnerIdentityProvider Name="http://www.okta.com/exky5euw54Xm4gyj30h7" Description="Okta" SignAuthnRequest="true" SignLogoutRequest="true" SignLogoutResponse="true" SingleSignOnServiceUrl= "https://componentspace.oktapreview.com/app/componentspace\_exampleserviceprovider \_1/exky5euw54Xm4gyj30h7/sso/saml" SingleLogoutServiceUrl= "https://componentspace.oktapreview.com/app/componentspace\_exampleserviceprovider \_1/exky5euw54Xm4gyj30h7/slo/saml"> <PartnerCertificates> <Certificate FileName="Certificates\okta.cer"/> </PartnerCertificates> </PartnerIdentityProvider>

Ensure the PartnerName specifies the correct partner identity provider.

<add key="PartnerName" value="http://www.okta.com/exky5euw54Xm4gyj30h7"/>

# **SP-Initiated SSO**

Browse to the example service provider and click the button to SSO to the identity provider.



Login to Okta.

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← → C	🖞 https://componentspace.oktapreview.com/login/login.htm?fromURI=%2Fapp%2Fcomponentspace_ex 🖉 📬	🙂 🔝 🗧	≡ @	888	
	Connecting to O Sign-in with your ComponentSpace-dev-527539 account to access ExampleServiceProvider				*
	Sign In   Joeuser@componentspace.com   Password				

The user is automatically logged in at the service provider.



# IdP-Initiated SSO

Login to Okta.

Click the ExampleServiceProvider button.

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P	eview Sandbox: This is a preview of next week's release. See a problem? File a case or visit of	our <u>support site</u> .					
okta	۹ 🔒	Home 🌲 🝷	上 Joe		+ Add Apps		
Work +							
Ø							
ExampleServiceProvider							
Request an ann	Helo: support@componentspace.com			] Cet th	e Mobile Apr		a)
C Last sign in: a few seconds ago			¢	2021 Okta	, Inc.   Privac	y	

The user is automatically logged in at the service provider.



# SAML Logout

Okta supports SP-initiated SAML logout only.

If logged into a service provider and the user logs out from Okta, no SAML logout request is sent to the service provider.

# Troubleshooting

Most issues result from configuration mismatches. Ensure that the Okta configuration and the service provider configuration are consistent with each other.

The Okta system log may contain additional information.

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okta	inenspace-aumin	Q Search		00200011110-2021-04-03123703A33	ComponentSpace
Dashboard Directory	~	System Log			← Back to Reports
Applications Security	~ ~	From	To 00:00:00 🗂 04/03/2021 (	23:59:59 AEST *	
Workflow Reports	~	Search			٩
Reports System Log		Count of events over	r time		Advanced Filters / Reset Filters
Import Monitoring Settings	~	IP MA GP	AM 10 AM 10 AM	10 AM 10 AM	10 ÅM 10 ÅM
		Show event trends by cate	zory		
		Events: 231 📰 💡			± Download CSV
		Time Apr 03 09:24:41	Actor ComponentSpace Support (User)	Event Info User accessing Okta admin app success	Targets ComponentSpace Support (AppUser)
		Apr 03 09:24:41	Okta Administration (PublicClientApp)	OIDC access token is granted success	(User) Access Token (access_token)
		Apr 03 09:24:41	ComponentSpace Support (User)	User single sign on to app	Okta Admin Console (AppInstance)