# Qualys SAML and OKTA Integration

This article describes the typical Okta IdP SSO-initiated SAML 2.0 integration with Qualys.

Ensure that you create a New App for Qualys, and avoid using a Community Created App. When sending the SAML assertion response to Qualys, you can use SHA1 or SHA256 as the signing algorithm. If you are doing an SP-initiated SSO SAML 2.0 integration, leave the **Default Relay State** field blank.
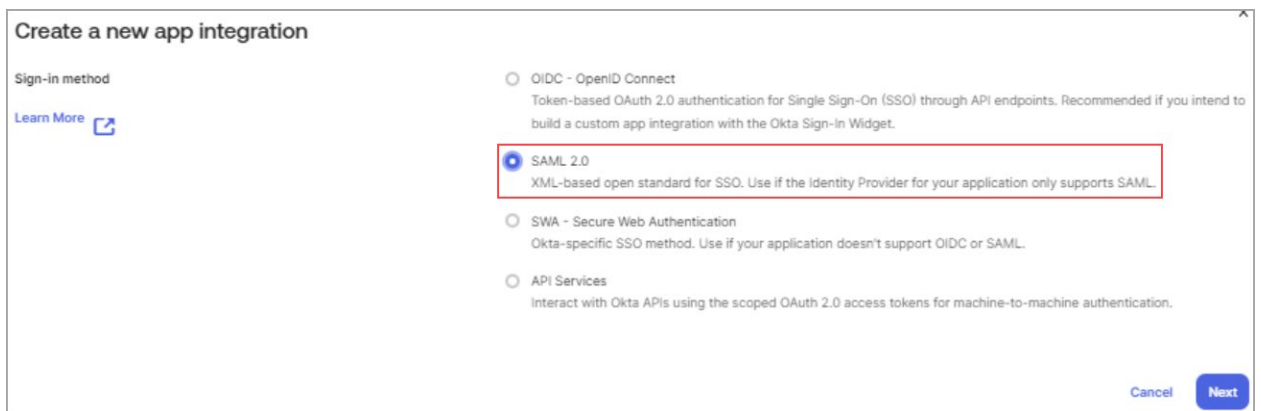
Click here for complete information on Qualys SAML Support.

To configure Okta for SSO integration with Qualys:

1. Log in to **Okta**.

2. Click **Applications**.

3. Select **Create App Integration**.
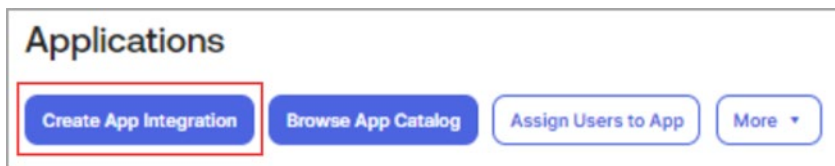
4. Select **SAML 2.0.**

5. Follow the on-screen instructions to configure your SSO application

    The following is an example of OKTA's basic SSO configuration page for AU POD1, which is observed after the SSO configuration is saved in OKTA.

GENERAL

Single Sign On URL	https://qualysguard.qg1.apps.qualys.com.au/IdM/saml2/
Recipient URL	https://qualysguard.qg1.apps.qualys.com.au/IdM/saml2/
Destination URL	https://qualysguard.qg1.apps.qualys.com.au/IdM/saml2/
Audience Restriction	QualysGuard_SharedPlatform-SAML20-SP2
Default Relay State	
Name ID Format	Unspecified
Response	Signed
Assertion Signature	Signed
Signature Algorithm	RSA_SHA256
Digest Algorithm	SHA256
Assertion Encryption	Unencrypted
SAML Single Logout	Disabled
SAML Signed Request	Disabled
authnContextClassRef	PasswordProtectedTransport
Honor Force Authentication	Yes
Assertion Inline Hook	None (disabled)
SAML Issuer ID	http://www.okta.com/${org.externalKey}
Maximum app session lifetime	☐

ATTRIBUTE STATEMENTS

Name	Name Format	Value
qualysguard_external_id	Basic	user.email

User Claim Attributes

The following table represents the definitions to be configured. You can use them based on your subscription.

Attribute	Value
Single Sign on URL	- US Platform 1: (username: xxxx_xx) - US Platform 2: (username:xxxxx2xx) - US Platform 3: (username: xxxxx3xx) - US Platform 4: (username: xxxxx4xx) - EU Platform 1: (username: xxxxx-xx) - EU Platform 2: (username: xxxxx5xx) - EU Platform 3: (username: xxxxxBxx) - CA Platform 1: (username: xxxxx9xx) - AU Platform 1: (username: xxxxx4xx) - AE Platform 1: (username: xxxxx7xx) - IN Platform 1: (username:xxxx8xx) - UK Platform 1: (username: xxxxx1xx) - KSA platform 1: (username: xxxxxAxx)
Qualys ACS/Replay URLs as per applicable Qualys subscription platform	US Platform 1: https://qualysguard.qualys.com/IdM/saml2/ US Platform 2: https://qualysguard.qg2.apps.qualys.com/IdM/saml2/ US Platform 3: https://qualysguard.qg3.apps.qualys.com/IdM/saml2/ US Platform 4: https://qualysguard.qg4.apps.qualys.com/IdM/saml2/ EU Platform 1: https://qualysguard.qualys.eu/IdM/saml2/ EU Platform 2: https://qualysguard.qg2.apps.qualys.eu/IdM/saml2/ EU Platform 3: https://qualysguard.qg3.apps.qualys.it/IdM/saml2/ CA Platform 1:https://qualysguard.qg1.apps.qualys.ca/IdM/saml2/ AU Platform 1: https://qualysguard.qg1.apps.qualys.au/IdM/saml2/ AE Platform 1: https://qualysguard.qg1.apps.qualys.ae/IdM/saml2/ IN Platform 1: https://qualysguard.qg1.apps.qualys.in/IdM/saml2/ UK Platform 1: https://qualysguard.qg1.apps.qualys.co.uk/IdM/saml2/ KSA Platform 1: https://qualysguard.qg1.apps.qualysksa.com/IdM/saml2/
Audience URI (SP Entity ID)	QualysGuard_SharedPlatform-SAML20-SP
Default RelayState	- Blank in case of SP initiated SSO. - Idm_key in case of IDP initiated SSO. Idm_key==saml2_xxxxxxxxxx (the same key as contained in the unique URL for SP initiated SSO)

Attribute	Value
Name ID format	Unspecified
Application Username	Okta username
Response	Signed
Assertion Signature	Signed
Signature Algorithm	RSA SHA1/SHA256
Digest Algorithm	SHA1/SHA256
Assertion Encryption	Unencrypted
Enable Single Logout	Depending on user requirements
Authentication context class	Password Protected Transport
Request Compression	Compressed
Honor Force Authentication	Yes
SAML Issuer ID	http://www.okta.com/$(org.externalKey)
ATTRIBUTE STATEMENTS	This is a mandatory field for successful authentication • Name: qualysguard_external_id • Name format: Basic • Value: user.email

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