

**This version of GitHub Enterprise was discontinued on 2023-03-15.** No patch releases will be made, even for critical security issues. For better performance, improved security, and new features, [upgrade to the latest version of GitHub Enterprise](#). For help with the upgrade, [contact GitHub Enterprise support](#).

# Using SAML for enterprise IAM

You can centrally manage accounts and access to your GitHub Enterprise Server instance with SAML single sign-on (SSO).

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## About SAML for enterprise IAM

You can use SAML single sign-on (SSO) to centrally manage access to your GitHub Enterprise Server instance.

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## SAML configuration reference

You can see SAML metadata for your GitHub Enterprise Server instance, and you can learn more about available SAML attributes and response requirements.

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## Configuring SAML single sign-on for your enterprise

You can control and secure access to your GitHub Enterprise Server instance by configuring SAML single sign-on (SSO) through your identity provider (IdP).

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## Enabling encrypted assertions

You can improve your GitHub Enterprise Server instance's security with SAML single sign-on (SSO) by encrypting the messages that your SAML identity provider (IdP) sends.

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## Updating a user's SAML NameID

When an account's `NameID` changes on your identity provider (IdP) and the person can no longer sign into your GitHub Enterprise Server instance, you must update the `NameID` mapping on your GitHub Enterprise Server instance.

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## Troubleshooting SAML authentication

If you use SAML single sign-on (SSO) and people are unable to authenticate to access your GitHub Enterprise Server instance, you can troubleshoot the problem.

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