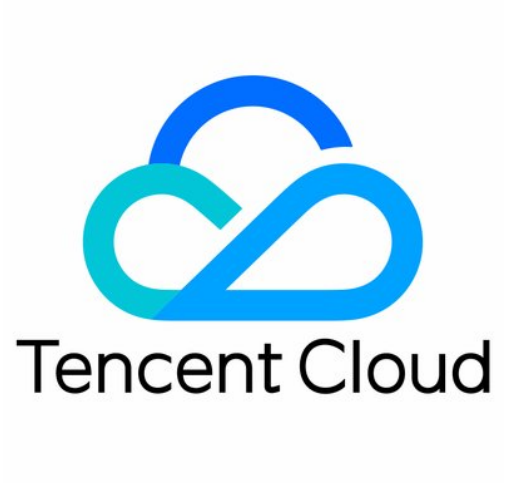
Security Token Service

Product Introduction

Product Documentation



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Product Introduction
Overview

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Overview

Tencent Cloud Security Token Service (STS) is a set of Web services for managing temporary access rights. You can use STS to create temporary security credentials for accessing Tencent Cloud resources and provide the credentials to a trusted user who can manage Tencent Cloud resources within the scope of the obtained privileges.

Use Cases

SAML 2.0-based federated identity

You can create a federated identity for external users and grant them access to Tencent Cloud resources. If you have your own system and your users need access to Tencent Cloud resources, you can use the Identity Provider (IdP) function in CAM, in which you can assign Tencent Cloud access to users certified by IdP. For more details, see Accessing Tencent Cloud Console as SAML 2.0 Federated Users.

Cross-account access role

If you have more than one account, you can create an identity and use it to access all the resources in your accounts. For more details, see Using Role.

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Strengths

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You can create trusted users through Security Token Service (STS) and give them temporary security keys to manage your Tencent Cloud resources within the limited permission. Compared to a long-term access key, it has the following advantages:

- No need to embed a long-term security certificate.
- You can grant trusted users permission to your Tencent Cloud resources, instead of creating an account for them.
- Temporary security key is valid for a limited period of time. You don't have to rotate or cancel keys regularly. Besides, it can also reduce the impacts of identity credential leakage.

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