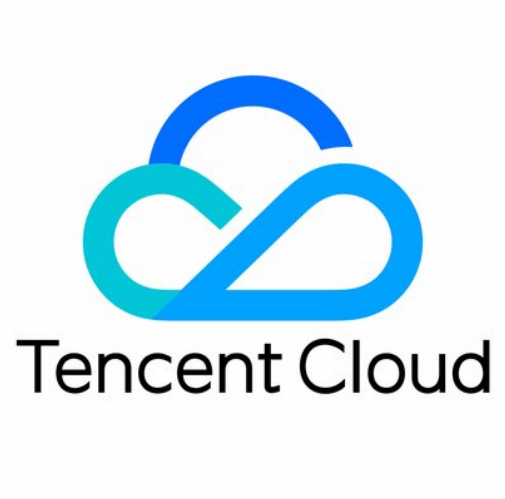
Cloud Access Management

Security Setting Policy

Product Documentation



Security Setting Policy

Last updated : 2021-06-07 09:42:09

Basic Principles

1. Enable MFA protection

To strengthen account security, we recommend that you bind MFA for all accounts. We also recommend enabling login and operation protection for root accounts and sub-accounts. For the accounts that support login with e-mail, we strongly recommend enabling MFA secondary verification. This will require a secondary verification for account login and sensitive operations. For related settings, see Setting Security Protection for Collaborators, and Setting Security Protection for Sub-Users.

2. Access Tencent Cloud with a sub-account

Do not use the root account identity credentials to access Tencent Cloud, and **never** share identity credentials with anyone. Create a sub-account for all users that access Tencent Cloud, and grant management permissions as necessary. For information about the related settings, see User Types.

3. Use groups to grant permissions

Define groups according to the job responsibilities, and grant management permissions to the group as necessary. Then, assign the users to the corresponding groups. In this way, when you modify the permissions for the group, the permissions of the users associated with the group will change accordingly. Additionally, when there are organizational changes and people move around, you only need to update the group the user belongs to. For more information, see User Groups.

4. Grant least privilege

Granting least privilege is a standard security principle where you grant only the permissions required to perform a task. Any additional unnecessary permissions should not be granted. For example, if a user only uses CDN Service, access permission for other services (such as COS read and write permissions) should not be granted.

5. Manage users, permissions, and resources with different sub-accounts

We do not recommend managing users, permissions, and resources with the same account. Designate different sub-accounts to manage users, permissions and resources respectively.

6. Rotate credentials regularly

We recommend you or one of your CAM users change the login password or API key regularly. This way, if one of your credentials is compromised, the time it can be used to access your resources is limited.
For information about setting passwords for root accounts, see Account Password.
For more information about setting passwords for sub-accounts, see Resetting Login Passwords for Sub-Users.

7. Delete unnecessary certificates and permissions

Delete certificates that the user does not need, and permissions that the user no longer needs. Minimize the security risks caused by compromised access credentials.

8. Use policy conditions to enhance security

Define the conditions under which your policies will take effect as precisely as possible to limit access and strengthen security. For example, write conditions to specify the server users must perform operations on. The time period can also be specified.
For more information, see Element References - Condition.