Tencent Cloud

Control Center

Best Practices

Product Documentation

Contents

Best Practices
Centrally Managing Enterprise Accounts

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Customer Background

A corporate group owns dozens of subsidiaries, each of which has registered accounts with Tencent Cloud.

Scenario

The administrator wants to centrally manage all Tencent Cloud accounts within the group and, at the same time, refine the management based on account responsibilities, such as audit, network, and finance, or the subsidiaries (entities) the accounts belong to.

Customer Challenges

- Managing the common attributes of multiple accounts in the group admin account poses risks such as unclear responsibilities and excessive permissions for the admin account.
- Several basic cloud services are involved in the configuration of multi-account management, so the administrator must be familiar with these cloud services. In addition, the configuration process is long and cross-service manageability is poor.

Solution Overview

Tencent Cloud provides a solution for centrally managing accounts. With this solution, customers can quickly create a multi-account environment following Tencent Cloud's best practices.

1. According to best practices, accounts are classified into two types: core accounts and business accounts.
2. At present, the following types of core accounts are supported:
   - Group admin account: This account is used to manage multiple cloud accounts, including configuring permissions and viewing bills.
   - Security account: This account is delegated by the group admin account and is responsible for managing firewalls, scanning for vulnerabilities, and implementing other security measures for all accounts in the group.
   - Logging account: This account is delegated by the group admin account and is responsible for collecting, managing, and analyzing logs from all member accounts.

○ Entity admin account: Each subsidiary has an admin account for creating new business accounts within the subsidiary and making payments for all accounts within the subsidiary.

○ Financial account: This account is delegated by the group admin account and is responsible for viewing and managing the funds of cloud accounts within the group.

Multi-Account Financial Management

Last updated： 2023-08-09 18:57:33

Customer Background

A corporate group customer hosts several subsidiaries on Tencent Cloud, each of which has multiple Tencent Cloud accounts. The customer centrally manages the cloud expenses of all subsidiaries and settles reimbursements based on actual expenses.

Scenario

By contacting sales, the customer has configured pay-on-behalf for accounts under the group entity and applied for extra discounts for accounts under subsidiary entities. The customer regularly tops up the accounts and periodically issues invoices and views bills for each account.

Customer Challenges

- Complex operations: Finance personnel must regularly make payments, view bills, and issue invoices for each cloud account.
- Long application cycle: The customer has to contact sales to apply for discounts for any new account, and the review process is long.
- Management difficulties: The financial relationships between accounts are invisible, and no self-service management tools or capabilities are provided.

Solution Overview

Tencent Cloud offers a solution for finance personnel to manage multiple cloud accounts. A corporate group has multiple subsidiaries, each of which has several cloud accounts, making account management complex. This solution provides two payment modes and several financial permissions for finance personnel of direct customers to manage multiple cloud accounts in a unified way.
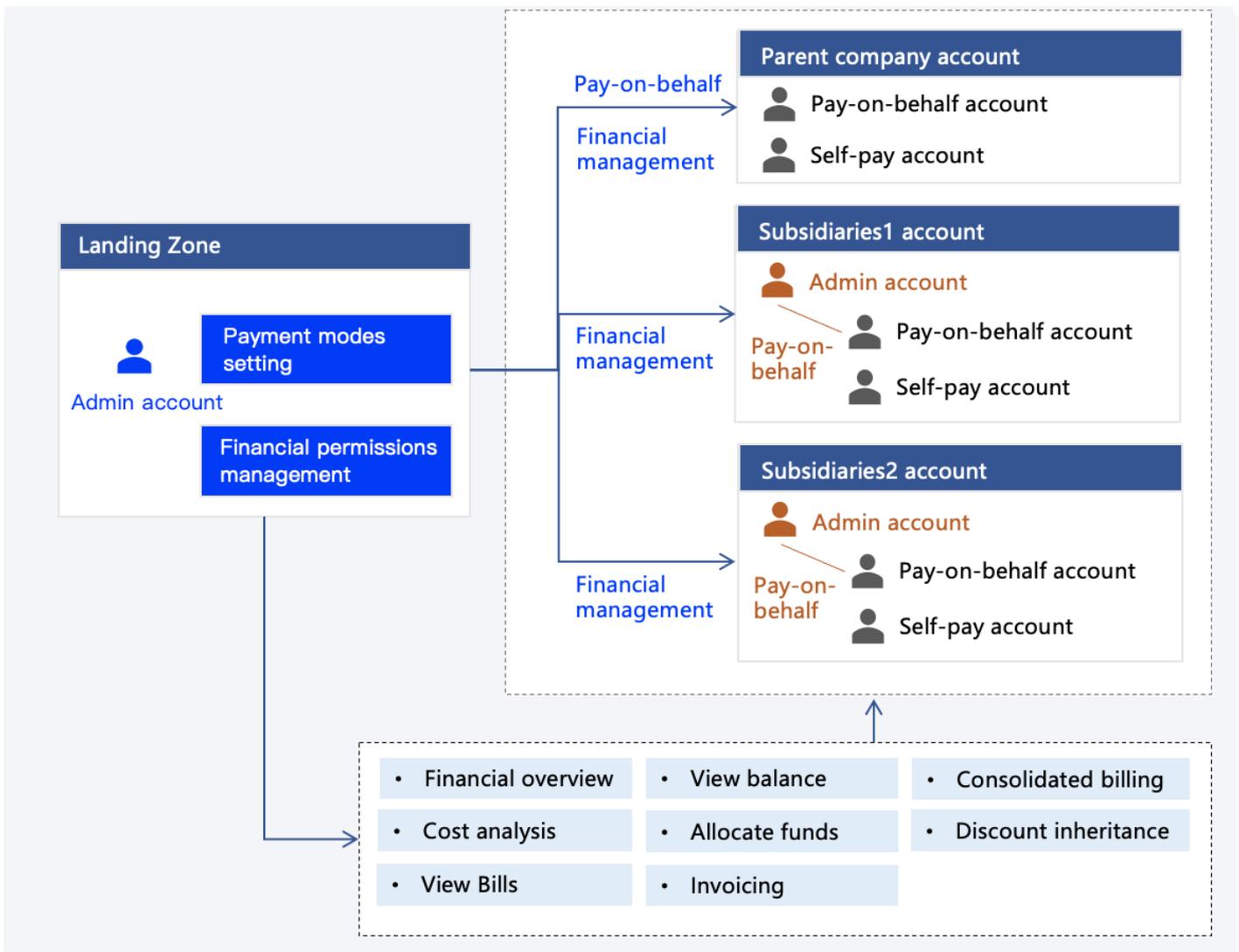
- Configuring admin accounts: An admin account is configured for each entity within a corporate group.

- Configuring the pay–on–behalf policy: In each entity, the admin account handles payments for all member accounts.

- Managing funds: The admin account of the group is topped up, and funds are then allocated to admin accounts of entities within the group.

- Bill viewing, fund viewing, and invoicing are performed for all accounts in a unified way.

- Supported financial management modes and permissions:
  - Two payment modes: Pay–on–behalf and self–pay.
  - Six permissions: Viewing bills, viewing balance, allocating funds, invoicing, consolidated billing, and discount inheritance.

Multi-Account Permissions Management

Last updated：2023-08-15 18:12:02

Scenario

An enterprise has dedicated IT departments or administrators responsible for O&M in different areas such as security, network, and monitoring. If the enterprise has multiple cloud accounts, these IT administrators need to configure permissions under each account to handle network information and security settings for the account.

Customer Challenges

- Configuring permissions across numerous accounts is complex and prone to inconsistency.
- Creating sub-accounts under different accounts increases management complexity and poses risks of account information leakage.
- It is difficult to identify and revoke sub-accounts and permissions of an employee after the employee's permissions change.

Solution Overview
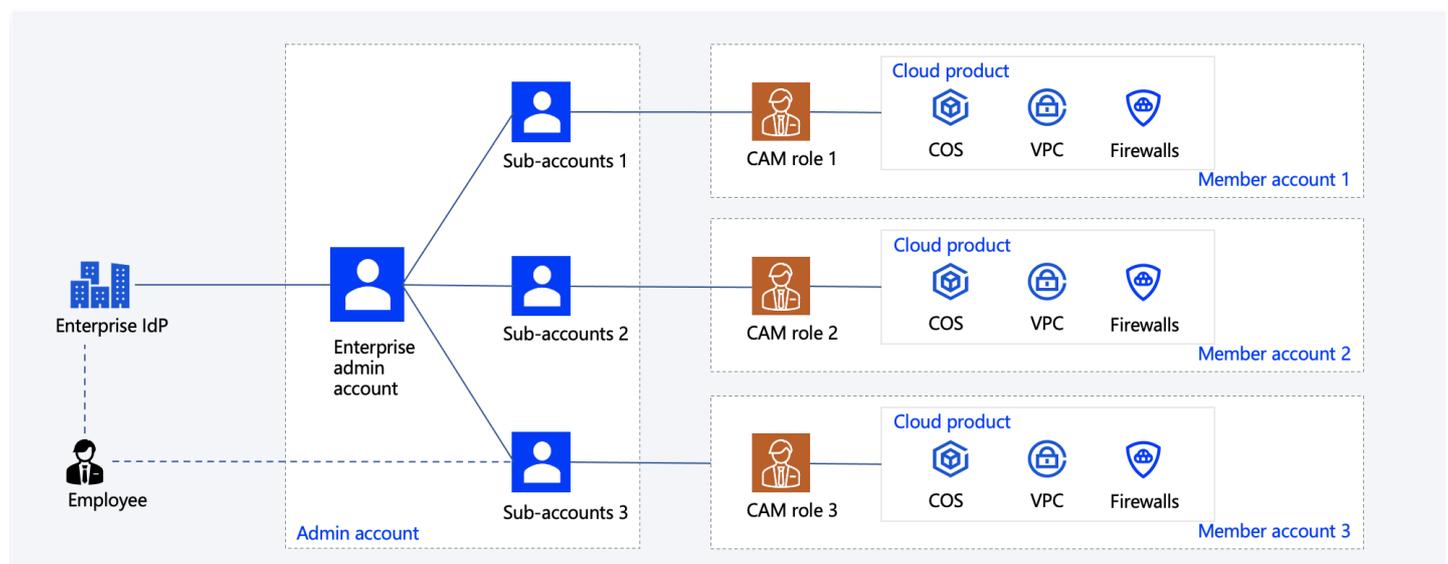
1. The enterprise admin account is integrated with internal accounts, enabling employees to log in to the Tencent Cloud console with single sign-on (SSO).

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2. Sub-users are created under the enterprise admin account for employees.

3. Cloud Access Management (CAM) roles are created based on division of responsibilities within the enterprise. Each CAM role is configured to manage multiple accounts with granted access permissions.

4. CAM roles are associated with the member accounts of the enterprise. Employees can then use the associated CAM roles to manage the accounts.

5. Sub-users under the enterprise admin account are granted the permissions to use specific member accounts and CAM roles.

6. Employees can log in to the Tencent Cloud console with SSO to view the member accounts and CAM roles they can use and switch between the accounts.

Multi-Account Log Collection and Auditing

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Scenario

- Enterprise administrators need to frequently review cloud operation logs for operation tracing, troubleshooting, and O&M monitoring of cloud resources.
- Cloud operation logs must be retained for at least 180 days in compliance with legal and regulatory requirements.

Customer Challenges

- Logs must be collected from each account for compliance auditing, which is complex.
- Dispersed logs also make log collection, analysis, monitoring, and alerting extremely complex.

Solution Overview
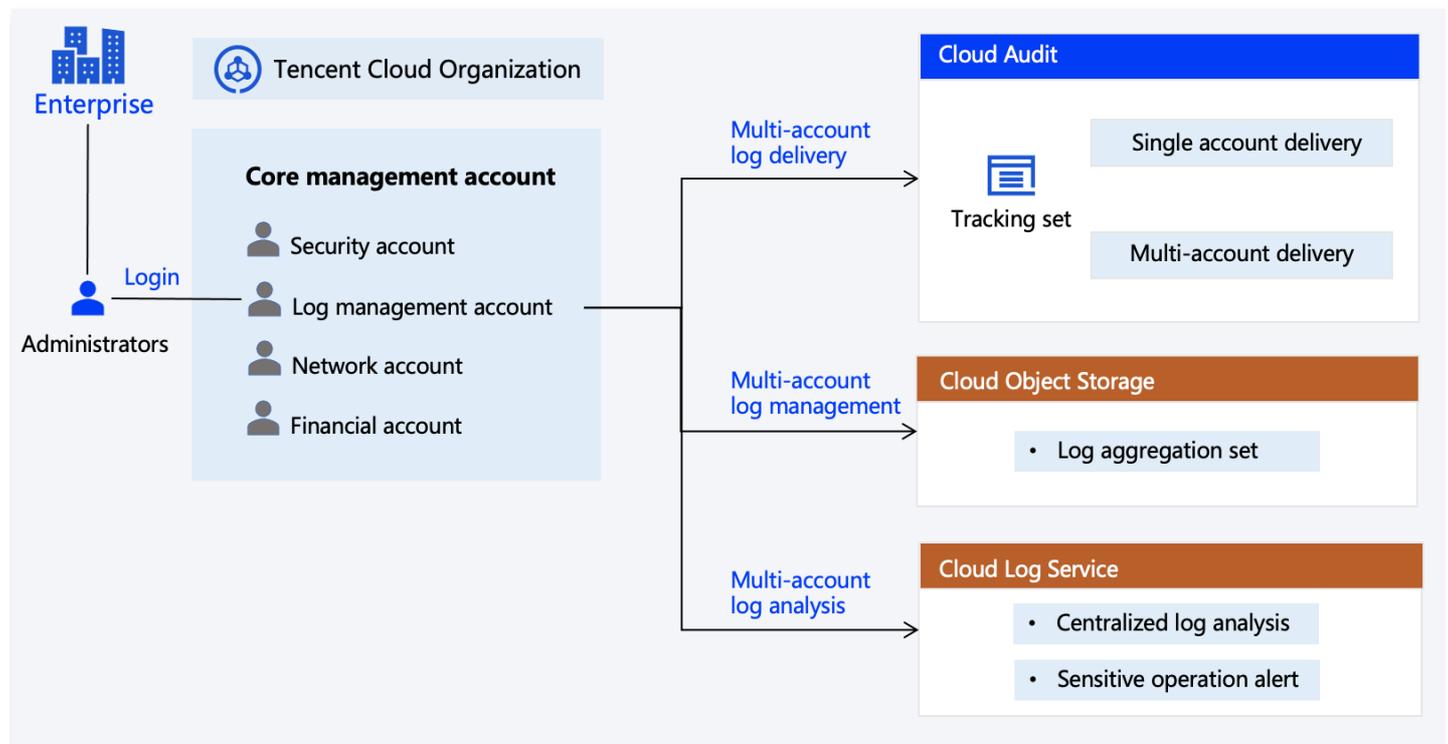
With this solution, administrators can continuously collect audit logs from multiple accounts after completing configuration in just a few clicks. They can also create a multi-account log

management system covering log generation, collection, retention, analysis, and alerting, by using Control Center together with other Tencent Cloud products such as Tencent Cloud Organization (TCO), CloudAudit, and Cloud Log Service (CLS).

- When using CloudAudit to manage logs of multiple accounts, the administrators can apply a tracking set configuration to all member accounts.
- Operation logs within each cloud account are retained for 180 days and can be shipped to Cloud Object Storage (COS) and CLS for long-term storage.
- The logs shipped to CLS can be used for analysis and alerting.