



## CLOUD SECURITY ASSESSMENT

The cloud is an invaluable asset, but it has underlying risks.

*Majority of cloud breaches are from access-related vulnerabilities.*

*Most public cloud environments store some sensitive data.*

*Many organizations do not check the risk of their cloud service.*

### How Do You

Understand and prioritize risks?

Maintain business continuity?

Enable security business growth?

## Cloud Covered

**HALOCK's Cloud Security Assessment** gives you insight on your risks. The assessment provides a review of Azure, AWS, and Google (GCP) cloud environments to identify risk and recommends how to remediate them. HALOCK combines manual analysis of these cloud platforms using the applicable CIS benchmarks combined with our CNAPP security solution. Clients receive a comprehensive look at cloud environments, allowing them to better enhance their security. HALOCK will provide analysis for the following security areas:

#### Identification of:

- Assets related to all user, computer, network, data, management and security resources.
- Potential toxic combinations of access privileges, non-secure configurations, and vulnerabilities.
- Accounts that are over-privileged, unused, and may pose higher risk.
- Anomalous events based on the behaviors of account usage and access.

#### Analysis of:

- Security events
- Logging and monitoring configuration
- Configured policies
- Deployed subscriptions and applicable configurations
- Authentication methods
- Network architecture as deployed
- Configured security center capabilities

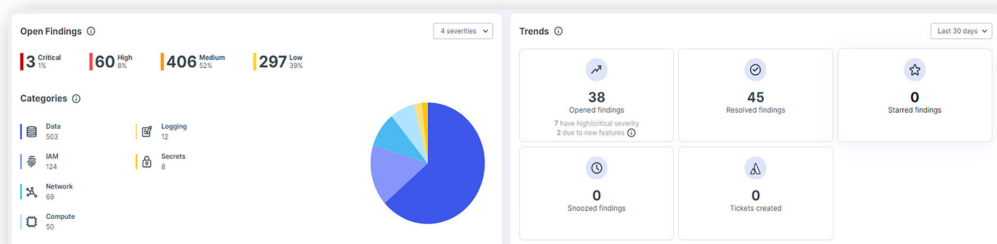
## Why Choose HALOCK?

As authors of the **Duty of Care Risk Analysis (DoCRA)** Standard and developers of **CIS RAM**, HALOCK has specialized insight to guide you through a risk method to establish **reasonable** and appropriate security. ***Risk expertise like no other.***

# The Methodology and Deliverables

- **Manual review** using the appropriate security benchmarks from CIS for Azure, AWS, and GCP.
- **Automated review** using Cloud Native Application Protection Platform (CNAPP).
- **A detailed report** with prioritized findings and recommendations to remediate risks.

## Findings Dashboard



**Recommendation:** Review the critical findings and remediate asap. High findings should be reviewed and assessed for applicability to the instance as a next step. Medium and lower findings should be reviewed and addressed as available.

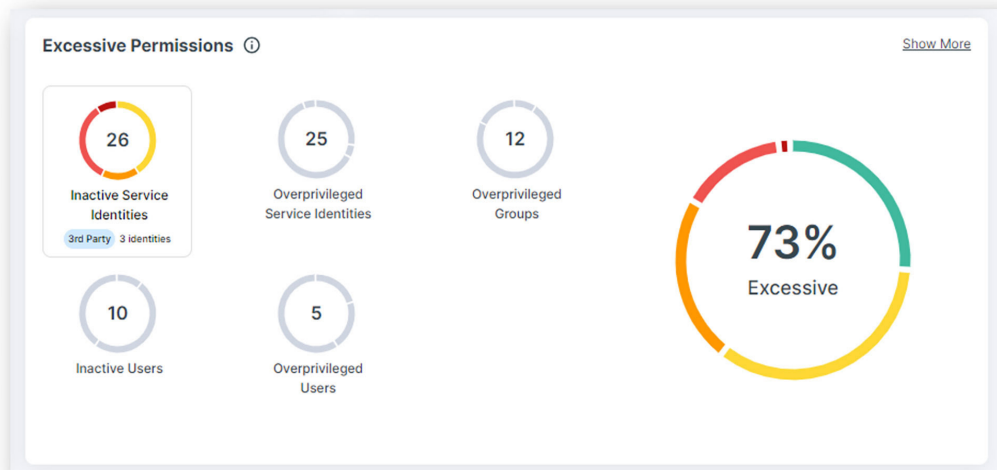
## Critical Findings

<input type="checkbox"/>	Created	Policy	Description	IAM Role	Account
<input type="checkbox"/>	Jul 7, 2023 2:57 PM	Inactive IAM role	Role <code>OrganizationAccountAccessRole</code> has inline policy <code>AdministratorAccess</code> attached granting it permissions on <b>351 services</b> , but it has not used any of them and was last active 6 months ago	<code>OrganizationAccountAccessRole</code> IAM Role   Acme-prod	
<input type="checkbox"/>	Jul 7, 2023 10:26 AM	Inactive IAM role	Role <code>OrganizationAccountAccessRole</code> has inline policy <code>AdministratorAccess</code> attached granting it permissions on <b>351 services</b> , but it has not used any of them and was last active 6 months ago	<code>OrganizationAccountAccessRole</code> IAM Role   Acme-dev	

**Recommendation:** Review role CLIENT Access Role and delete if not required.

## Excessive Permissions

This is a breakdown of potentially excessive permissions. The goal is to enforce the principle of least privilege in your environment. The percentage includes permissions with any severity level, and excludes used permissions (green), or permissions that are excluded from policies (gray).



The details of the identities with excessive permissions are located in the "Detailed Findings" section.

**Recommendation:** It is a security best practice to regularly audit the accounts and applicable usage across all cloud environments.

- User accounts that are over privileged should be "right" sized.
- Accounts that are inactive should be reviewed and removed if possible.
- Groups that are over privileged should be "right" sized.
- Service accounts that are overprivileged should be "right" sized.

*FINDING: Excessive Permissions*

## Cloud Security Assessment identifies

- Critical configuration flaws
- Inventory of cloud assets and identities
- Unused and over-privileged accounts
- Toxic combinations
- Non-secure ports and protocols in use
- Permissions on assets and services that are too permissive
- Exposed secret keys

## Options

- 1-Time Assessment
- Quarterly Assessments
- Continuous Assessments