

# CloudHealth Security Policies for Amazon Web Services

## The Challenge

Cloud security starts with users. Without proper access controls and identity management, users can intentionally or unintentionally create security flaws with catastrophic outcomes.

According to Gartner, “through 2022, at least 95% of cloud security failures will be the customer’s fault.”<sup>1</sup> Therefore, organizations must understand their role in the shared responsibility model and take a proactive approach to cloud security. As organizations continue to move production assets to the public cloud, it becomes critical to implement and closely monitor controls.

## How CloudHealth Can Help

The CloudHealth platform helps you validate that you’ve properly and securely configured your Amazon Web Services (AWS) accounts, services, and resources. With configurable policies covering identity and access management, logging and monitoring, network security, and audit trails, CloudHealth identifies violations and makes recommendations for how you can improve your security posture.

The platform provides two default security policies, one based on The Center for Internet Security (CIS) AWS Foundations Benchmark and the other based on AWS Security Best Practices. You also have the option to create your own framework using a variety of individual policies.

“The CIS checks are fantastic, because that allows me to see the exact level of control I have over my system, and understand whether we’re in compliance, all in one place.” says Brent Strong, Manager of Cloud Engineering & Operations at Change Healthcare.



***“With CloudHealth, our Next Generation Managed Services (NGMS) team gets a holistic viewpoint across all our accounts to ensure compliance.”***

**PAUL DUNLOP**  
Principal Cloud Architect, API Talent



<sup>1</sup> Gartner, Clouds Are Secure: Are You Using Them Securely?, Jay Heiser, 31 January 2018

## How CloudHealth Security Policies for AWS Work

CloudHealth offers a dynamic policy engine, enabling you to drive optimization in an automated fashion. With CloudHealth Security Policies for AWS, you can:

- Receive automatic alerts that can be ranked and customized by severity (e.g. critical, high, medium).
- View all violations in a single report, which includes the full list of affected resources and recommended actions to remediate any issues.
- Configure security best practice policies across organizations, deliver violation reports via email, and exclude resources from future checks.

## Further enhance your security posture

With VMware Secure State you can leverage machine learning algorithms to detect critical misconfigurations, violation chains across objects, and anomalies that elevate the risk of a security breach.

Email [vss@cloudhealthtech.com](mailto:vss@cloudhealthtech.com) to schedule a demo.

Policies > CIS AWS Foundations > Violation Report

ACTIONS ▾ SUBSCRIBE ▾

Search...   Edit Columns... 25 Results Per Page ▾ Policy: CIS AWS Foundations ▾ Download

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Severity	Policy Block Name	Summary
CRITICAL	IAM Policy Attachment	13 Amazon IAM Policies have an attachment to a specific user
CRITICAL	AWS Config Not Enabled For All Regions	14 Amazon Accounts do not have AWS Config enabled for all regions
CRITICAL	KMS Customer Master Key (CMK) Rotation Disabled	6 Amazon KMS Customer Master Key (CMK)s are not set to rotate
CRITICAL	VPC Flow Logs Disabled	38 Amazon VPCs do not have any flow logs enabled
CRITICAL	Metric Filters and Alarms	13 Amazon Accounts do not have a Metric Filter and Alarm for unauthorized API calls
CRITICAL	Metric Filters and Alarms	14 Amazon Accounts do not have a Metric Filter and Alarm for CloudTrail configuration change
CRITICAL	Metric Filters and Alarms	14 Amazon Accounts do not have a Metric Filter and Alarm for AWS Management Console authentication failures
CRITICAL	Metric Filters and Alarms	14 Amazon Accounts do not have a Metric Filter and Alarm for disabling or scheduled deletion of customer created CMKs



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