



IAM Reports

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Introduction

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AWS IAM reports are documents generated within the AWS IAM framework that offer insights into the configuration, usage, and security of IAM resources within an AWS account.

2

These reports are instrumental for auditing, compliance, and security management purposes.

3

They typically include details about

1

User credentials

2

Permissions

3

Policy usage

4

Access patterns across the AWS services and resources

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Three primary types of IAM reports are

1

IAM Credential Report

2

IAM Access Advisor Report

3

AWS IAM Access Analyzer

2

IAM Credential Report

1

Purpose

Provides an overview of IAM user credentials status within an AWS account.

2

Content

Includes details on passwords, access keys, MFA devices, and when they were last used.

3

Frequency

Can be generated on demand from the AWS Management Console

4

Scope

Covers all IAM users in the AWS account

5

Use Cases

Helps in auditing for compliance and security best practices.

6

Security Status

Indicates if passwords or access keys are active, expired, or not used within a specified period.

7

MFA Information

Shows which users have MFA enabled, enhancing security posture.

8

Last Activity

Reports the time since the user last accessed AWS services

9

Format

Available in downloadable CSV format for easy analysis and reporting

10

Access

Accessible by AWS account administrators from the IAM dashboard.

11

No Additional Cost

Included with AWS IAM at no extra charge

3

IAM Access Advisor Report

1

Purpose

Helps identify unused AWS service permissions to follow the principle of least privilege.

2

Content

Shows services accessible by IAM users, roles, and groups, and when those services were last accessed.

3

Frequency

Updated in real-time, accessible anytime from the AWS Management Console.

4

Scope

Includes all IAM entities (users, roles, groups) within an AWS account.

5

Use Cases

Assists in refining IAM policies by revoking unnecessary permissions

6

Access Details

Provides detailed access information, including service level and last access date.

7

Policy Optimization

Enables policy tightening by identifying potentially excessive permissions

8

Actionable Insights

Offers data to support decisions on permission adjustments or revocations.

9

Format

Integrated view within the IAM console, no separate download.

10

Access

Available to account administrators and users with required permissions.

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No Additional Cost

Part of AWS IAM services without extra fees

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