

# Day-7

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Today we have evaluated the SOC Reports. SOC stands for System and Organization Controls reports. They are independent third-party assessments that provide assurance about the security, availability, and processing integrity of a service organization's systems and controls. They are issued by certified public accountants (CPAs) in accordance with standards set by the American Institute of Certified Public Accountants (AICPA).

These reports are available through the AWS Artifact portal and can be used to help customers meet their own compliance requirements. By understanding the different types of SOC reports and their purpose, organizations can make informed decisions about which reports are relevant to their needs and how to use them to enhance their security posture.

## Types of SOC Reports:

- **SOC 1:** Shows control environment that's maybe relevant to internal control and financial report to customer and auditors for their understanding and opinion of ICOFR.
  - **Type 1 / Spring:** Reports on the design of controls at a specific point in time.
  - **Type 2 / Fall:** Reports on the design and operating effectiveness of controls over a period of time.
- **SOC 2:** To provide customers and users with a business need with an independent assessment of AWS' control environment relevant to system security, availability, confidentiality, and privacy.
  - **Type 1 / Spring:** Reports on the design of controls at a specific point in time.
  - **Type 2 / Fall:** Reports on the design and operating effectiveness of controls over a period of time.
- **SOC 3:** Same as SOC-2 but without disclosing AWS internal information.

**Duration:** AWS issues SOC 1 reports quarterly and SOC 2/3 reports twice per year. Each report covers a 12 month period. New SOC reports are released approximately 9-10 weeks after the end of the audit period (towards the end of February and end of August for SOC 1 only and towards the end of May and end of November for SOC 1/2/3).

### Report to Period Cover:

Report	Period covered
Spring SOC 1, 2, and 3	April 1–March 31
Summer SOC 1	July 1–June 30
Fall SOC 1, 2, and 3	October 1–September 30
Winter SOC 1	January 1–December 31

**Use of SOC:** SOC reports are used by service organization customers to evaluate the provider's controls and make informed decisions about their service offerings. They can also be used by the service organization itself to demonstrate its commitment to security and compliance.

**In today's task, I have studied the reports in detail and created a Excel file of the details that I had observed. The file looks like as follows:**

## ***SOC Report Management***

Name	Purpose	Type	Issued/Y ear	Period				NDA	Availability
SOC 1	Shows control environment that's maybe relevant to internal control and financial report to customer and auditors for their understanding and opinion of ICOFR	2	Quarterly	April 1, 2024 – March 31, 2025	July 1, 2024 – June 30, 2025	October 1, 2024 – September 30, 2025	January 1, 2024 – December 31, 2024	Required	AWS Artifacts Console
SOC 2	To provide customers and users with a business need with an independent assessment of AWS' control environment relevant to system security, availability, confidentiality, and privacy	2	Twice	April 1, 2024 – March 31, 2025		October 1, 2024 – September 30, 2025		Required	AWS Artifacts Console
SOC 3	Same as SOC-2 but without disclosing AWS internal information	-	Twice	April 1, 2024 – March 31, 2025		October 1, 2024 – September 30, 2025		Not - Required	AWS Website

\* This report was examined in accordance with attestation standards established by the American Institute of Certified Public Accountants (AICPA)

Other than the SOC reports, today I have learnt Accidental Stop Protection for an Instance and how to monitor On-Demand services with the help of Quota. The observation and relevant screenshots are as follows:

## Stop Protection:

### Change stop protection [info](#)

Enable stop protection to prevent your instance from being accidentally stopped.

Instance ID  
i-0a4fc4f224252e79c (Web Server)

Stop protection  
☒ Enable

[Cancel](#) [Save](#)

Eg: (How it stops from an Instance to get being stopped)

**Failed to stop the instance i-0a4fc4f224252e79c**  
The instance 'i-0a4fc4f224252e79c' may not be stopped. Modify its 'disableApiStop' instance attribute and try again. [Diagnose with Amazon Q](#) [X](#)

**AWS Quotas:** Your AWS account has default quotas, formerly referred to as limits, for each AWS service. Each quota is Region-specific and it monitors On-Demand services. It has multiple criteria's on which Quotas monitor a service. Quotas define the maximum values for the resources, actions, and items in your AWS account. Each AWS service defines its quotas and establishes default values for those quotas.

## Quotas Dashboard:

Management & Governance

# Service Quotas

## View and manage AWS quotas

Service Quotas is an AWS service that helps you manage your quotas (also known as limits) for many AWS services in one location. Along with looking up the quota values and current utilization, you can request a quota increase from the Service Quotas console.

### Manage quotas

Select a service to view available quotas

[AWS Services](#)

[View quotas](#)

### Pricing

Service Quotas is offered at no additional charge. There are no setup fees or upfront commitments.

### More resources

- [\[User Guide\] What is Service Quotas?](#)
- [\[Tutorial\] Request a Quota Increase](#)
- [\[User Guide\] Using Quota Request Templates](#)

### How it works

```
graph LR; SQ[Service Quotas  
Centralized service to view and manage quotas] <--> YA[Your Account]; SQ <--> NAO[New Account in your Organization];
```

Criteria of Quotas:

Q running On

X

10 matches

< 1 >

⚙

	Quota name ▲	Applied account-level quota value ▼	AWS default quota value ▼	Utilization ▼	Adjustability ▼
<input type="radio"/>	<a href="#">Running On-Demand DL instances</a>	96	0	0	Account level
<input type="radio"/>	<a href="#">Running On-Demand F instances</a>	64	0	0	Account level
<input type="radio"/>	<a href="#">Running On-Demand G and VT instances</a>	0	0	0	Account level
<input type="radio"/>	<a href="#">Running On-Demand High Memory instances</a>	0	0	0	Account level
<input type="radio"/>	<a href="#">Running On-Demand HPC instances</a>	192	0	0	Account level
<input type="radio"/>	<a href="#">Running On-Demand Inf instances</a>	8	0	0	Account level
<input type="radio"/>	<a href="#">Running On-Demand P instances</a>	0	0	0	Account level
<input type="radio"/>	<a href="#">Running On-Demand Standard (A, C, D, H, I, M, R, T, Z) instances</a>	256	5	1	Account level
<input type="radio"/>	<a href="#">Running On-Demand Trn instances</a>	8	0	0	Account level
<input type="radio"/>	<a href="#">Running On-Demand X instances</a>	0	0	0	Account level

Specific Quotas Detail:

Running On-Demand Standard (A, C, D, H, I, M, R, T, Z) instances

Request increase at account level

Details

Description

Maximum number of vCPUs assigned to the Running On-Demand Standard (A, C, D, H, I, M, R, T, Z) instances.

Quota code

L-1216C47A

Quota ARN

arn:aws:servicequotas:us-east-1:974640193063:ec2/L-1216C47A

Utilization

1

Applied account-level quota value

256

AWS default quota value

5

Adjustability

Account level

Monitoring

Request history

Alarms

Tags

Monitoring

This displays a customizable CloudWatch embedded graph. [Learn more](#)

1h3h12h1d3d1wCustom

UTC timezone

Running On-Demand Standard (A, C, D, H, I, M, R, T, Z) instances - (Utilization %)