

Service Summary Cards (SSC)

Reference:

[FAQs](#)

Category:

Security,
Identity, and
Compliance



AWS Secrets
Manager

What?

- AWS Secrets Manager enables you to store, manage, rotate and retrieve, secrets for resources in AWS Cloud, third-party services, and on-premises. You can manage secrets such as database credentials, on-premises resource credentials, SaaS application credentials, third-party API keys, SSH keys, and any text blurb that is 64 KB or smaller.

Why?

- Secrets Manager enables you to replace hardcoded credentials in your code, including passwords, with an API call to Secrets Manager to retrieve the secret programmatically.
- It eliminates the investment and on-going maintenance costs of operating your own secrets management infrastructure.

When?

- You want to encrypt secrets at rest to reduce the likelihood of unauthorized users viewing sensitive information.
- You want to automatically rotate the secret on a specified schedule to replace long-term secrets with short-term ones.

Where?

- AWS Secrets Manager is a regional service. It allows you to replicate secrets in multiple AWS regions to support your multi-region applications and disaster recovery scenarios.
- For auditing and monitoring of secrets usage, it integrates with AWS logging, monitoring, and notification services

Who?

- AWS Secrets Manager is a fully managed service.
- You can attach AWS IAM permission policies to your users, groups, and roles that grant or deny access to specific secrets, and restrict management of those secrets.

How?

- You can get started by storing a secret in Secrets Manager. To retrieve secrets, you replace secrets in plain text in your applications with code to pull in those secrets programmatically using the Secrets Manager APIs.
- For rotation you can use ready-to-use features for supported AWS services or write a custom AWS Lambda function.

How much?

- You pay for the number of secrets managed in Secrets Manager (per secret per month) and the number of Secrets Manager API calls made (per 10,000 API calls).
- A replica secret is considered a distinct secret and charged accordingly.

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