

AWS Cloud Management Services

- The AWS Cloud Management services can be used for account management, configuration compliance, application delivery, and systems management.

AWS Organizations

- Centrally manage your environment as you scale your AWS resources
- AWS organizations allows you to consolidate multiple AWS accounts into an organization that you create and centrally manage.
- AWS Organizations offers policy-based management for multiple AWS accounts. Learn how Organizations helps you more easily manage policies for groups of accounts and automate account creation.

Benefits of AWS Organizations

1. Quickly scale your environment by programmatically creating new AWS accounts for your resources and teams at no additional charge
2. Simplify user-based permission management to give teams the freedom to build while staying within targeted governance boundaries
3. Manage and optimize costs across your AWS accounts and resources
4. Centrally secure and audit your environment across all of your AWS accounts

AWS Control Tower

- Set up and govern a secure, multi-account AWS environment
- Simplifies the process of creating multi-account environments.

Benefits

1. Set up multi-account environment quickly
2. Automation and built-in governance
3. Preconfigured Controls

4. Integrate third-party software at scale

Use cases

- Quickly deploy applications
- Provision compliant AWS accounts
- Deploy controls supporting digital sovereignty
- Increase agility without compromising security

AWS Config

- AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources.
- AWS Config is a fully managed service that provides you with an AWS resource inventory, configuration history, and configuration change notifications to enable security and regulatory compliance.

Benefits of AWS Config

- Manage resource configuration changes
- Evaluate configurations against desired state
- Simplify troubleshooting and remediation

Use cases

1. Streamline operational troubleshooting and change management
2. Deploy a compliance-as-code framework
3. Continually audit security monitoring and analysis

AWS Service Catalog

Create, organize, and govern a curated catalog of AWS resources that can be shared at the permissions level so you can quickly provision approved cloud resources without needing direct access to the underlying AWS services.

AWS Systems Manager

Manages many AWS resources including Amazon EC2, Amazon S3, Amazon RDS etc.

Systems Manager Components:

- Automation.
- Run Command.
- Inventory.
- Patch Manager.
- Session Manager.
- Parameter Store.

AWS Personal Health Dashboard

- AWS Personal Health Dashboard provides alerts and remediation guidance when AWS is experiencing events that may impact you.
- Personal Health Dashboard gives you a personalized view into the performance and availability of the AWS services underlying your AWS resources.

AWS OpsWorks

- AWS OpsWorks is a configuration management service that provides managed instances of Chef and Puppet.
- Updates include patching, updating, backup, configuration, and compliance management.

AWS Trusted Advisor

- AWS Trusted Advisor is an online tool that provides you real time guidance to help you provision your resources following AWS best practices.
- Trusted Advisor checks help optimize your AWS infrastructure, improve security and performance, reduce your overall costs, and monitor service limits.

AWS CloudFormation

- AWS CloudFormation provides a common language for you to describe and provision all the infrastructure resources in your cloud environment.
- AWS CloudFormation lets you model, provision, and manage AWS and third-party resources by treating infrastructure as code.