

AWS Certified Cloud Practitioner
Training Bootcamp

AWS Services Overview Management Tools

AWS Management Tools Overview

- Amazon CloudWatch
- Amazon EC2 Systems Manager
- AWS CloudFormation
- AWS CloudTrail
- AWS Config
- AWS OpsWorks
- AWS Service Catalog
- AWS Trusted Advisor
- AWS Personal Health Dashboard
- AWS Managed Services



Management & Governance

AWS Organizations

CloudWatch

AWS Auto Scaling

CloudFormation

CloudTrail

Config

OpsWorks

Service Catalog

Systems Manager

Trusted Advisor

Managed Services

Control Tower

AWS License Manager

AWS Well-Architected Tool

Personal Health Dashboard 

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Amazon CloudWatch

Amazon CloudWatch

- Amazon CloudWatch is a monitoring service for AWS Cloud resources and the applications you run on AWS
- With Amazon CloudWatch you can collect and track metrics, collect and monitor log files, set alarms and automatically react to changes in your resources
- You can use Amazon CloudWatch to gain system-wide visibility into resource utilization, application performance, and operational health

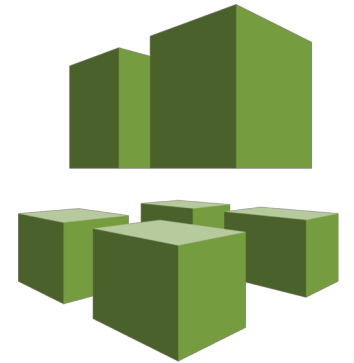


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Amazon EC2 Systems Manager

Amazon EC2 Systems Manager

- Amazon EC2 Systems Manager is a management service; you can automatically collect software inventory, apply operating system (OS) patches, create system images, and configure Windows and Linux
- EC2 Systems Manager is simple to use
- Select the EC2 instances you want to manage and define the management tasks you want to perform



EC2 Systems
Manager

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AWS CloudFormation

AWS CloudFormation

- AWS CloudFormation enables you to create and manage a collection of related AWS resources, provisioning and updating them in an orderly and predictable fashion
- CloudFormation provisions and manages stacks of AWS resources based on templates you create and model your infrastructure architecture
- With CloudFormation you can script and automate your work, future and recurrent deployments



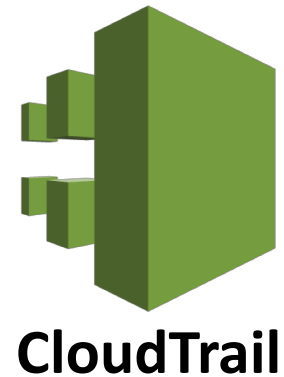
CloudFormation

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AWS CloudTrail

AWS CloudTrail

- With AWS CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure
- CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, CLI and other AWS services
- AWS CloudTrail = Logging vs CloudWatch = Monitoring

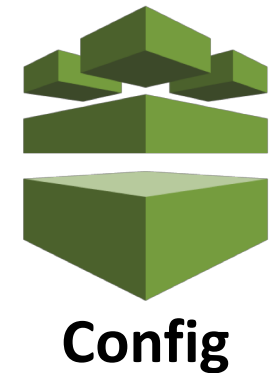


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AWS Config

AWS Config

- AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources
- With AWS Config you can monitor and record your AWS resource configurations and review changes in configurations and relationships between AWS resources
- AWS Config simplifies compliance auditing, security analysis, change management, and operational tshoot



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AWS Miscellaneous Management Tools

AWS Miscellaneous Management Tools Services

- AWS OpsWorks uses Chef to automate how servers are configured, deployed, and managed across your EC2 instances



- AWS Service Catalog allows organizations to create and manage catalogs of IT services that are approved for use on AWS



- AWS Trusted Advisor provides real-time guidance to help you provision your resources following AWS best practices



AWS Miscellaneous Management Tools Services



Managed Services

- **AWS Managed Services** automates common activities such as change requests, monitoring, patch management, security, and backup services, and provides full-lifecycle services to provision, run, and support your infrastructure
- **AWS Personal Health Dashboard** provides alerts and remediation guidance when AWS is experiencing events that might affect you

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Thank you