

AWS Config



A CLOUD GURU

AWS Config



What is it? What does it do?

AWS Config



“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 governance.”

AWS Config

Enables:

- Compliance auditing
- Security analysis
- Resource tracking



Provides:

- Configuration snapshots and logs config changes of AWS resources
- Automated compliance checking

AWS Config



Key components:

- Config Dashboard
- Config Rules
 - Managed
 - Custom
- Resources
- Settings

The screenshot shows the AWS Config console interface. The top navigation bar includes the AWS logo, "Services", "Resource Groups", and a star icon. The left sidebar is titled "AWS Config" and contains links for "Dashboard" (highlighted), "Rules", "Resources", "Settings", "What's new", and "Learn More". The "Learn More" section includes links for "Documentation", "Partners", "Pricing", and "FAQs". The main content area is titled "Config Dashboard" and displays a "Resources" section. It shows a "Total resource count" of 27 and a "Top 10 resource types" table. The table lists resource types with their respective counts: EC2 Subnet (6), EC2 SecurityGroup (4), S3 Bucket (3), EC2 InternetGateway (1), EC2 Instance (1), EC2 VPC (1), RDS DBSubnetGroup (1), AutoScaling LaunchConfiguration (1), EC2 NetworkInterface (1), and RDS DBSnapshot (1). A link "View all 27 resources" is at the bottom of the table.

Resources	
Total resource count	27
Top 10 resource types	
	Total
EC2 Subnet	6
EC2 SecurityGroup	4
S3 Bucket	3
EC2 InternetGateway	1
EC2 Instance	1
EC2 VPC	1
RDS DBSubnetGroup	1
AutoScaling LaunchConfiguration	1
EC2 NetworkInterface	1
RDS DBSnapshot	1

[View all 27 resources](#)

Terminology:

- Configuration **Items**
 - Point-in-time attributes of resource
- Configuration **Snapshots**
 - Collection of Config Items
- Configuration **Stream**
 - Stream of changed Config Items

More terminology:

- Configuration **History**
 - Collection of config items for a resource over time
- Configuration **Recorder**
 - The configuration of Config that records and stores config items

Recorder setup:

- Logs config for account in region
- Stores in S3
- Notifies SN

What can we see:

- Resource Type
- Resource ID
- Compliance
- Timeline
 - Configuration Details
 - Relationships
 - Changes
 - CloudTrail Events

AWS Config Rules

Compliance checks:

- Trigger
 - Periodic
 - Configuration snapshot delivery (filterable)
- Managed Rules
 - About 40 (at time of recording)
 - Basic, but fundamental...