AWS Config

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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
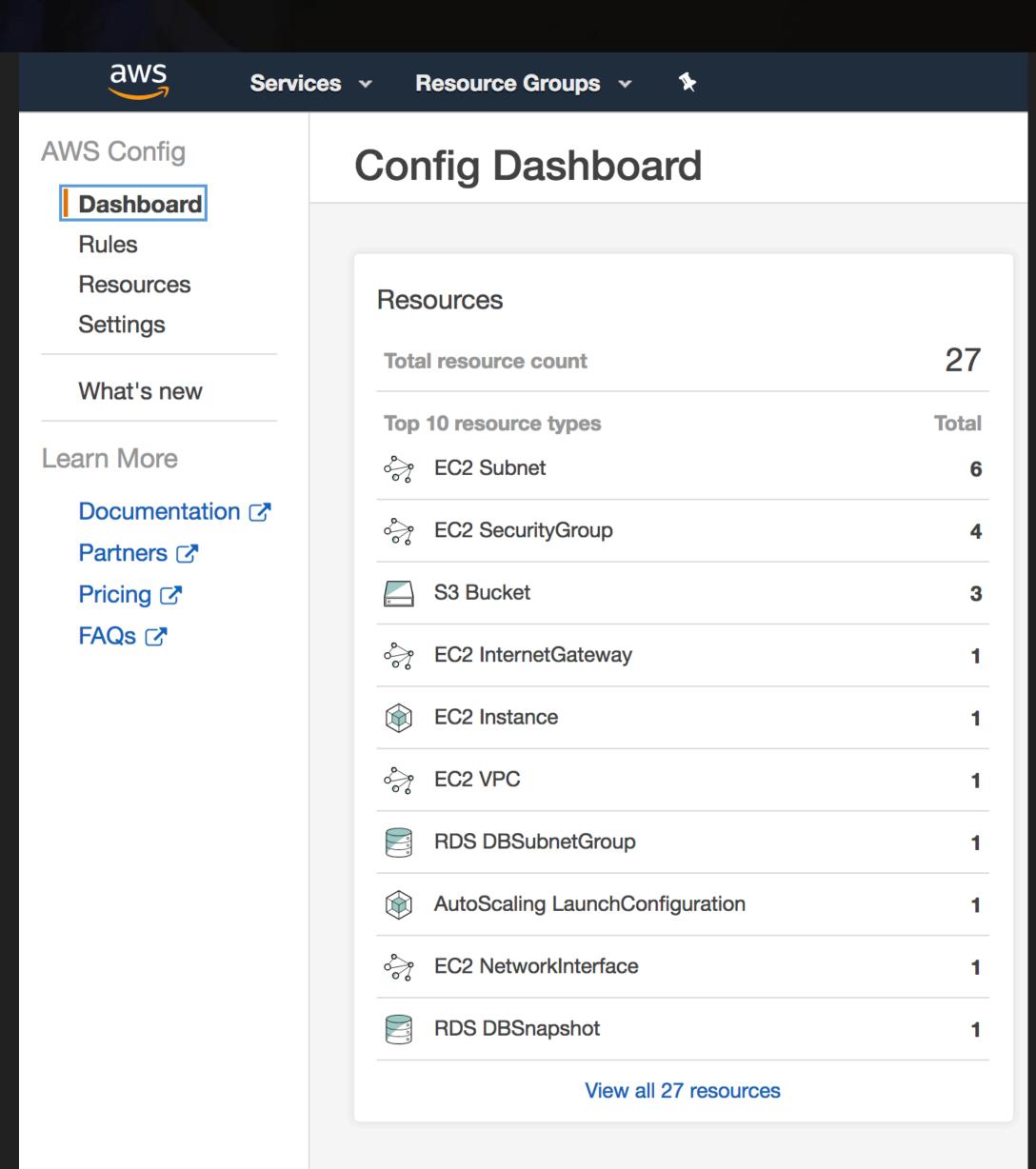- Security analysis
- Resource tracking

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

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Key components:
- Config Dashboard
- Config Rules
  - Managed
  - Custom
- Resources
- Settings

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Terminology:
- Configuration **Items**
  - Point-in-time attributes of resource

- Configuration **Snapshots**
  - Collection of Config Items

- Configuration **Stream**
  - Stream of changed Config Items

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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

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Recorder setup:
- Logs config for account in region
- Stores in S3
- Notifies SN

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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…