Secrets
ABAP
Apex
C
C++
CloudFormation
COBOL
C#
CSS
Flex
Go
HTML
Java
JavaScript
Kotlin
Kubernetes
Objective C
PHP
PL/I
PL/SQL
Python
RPG
Ruby
Scala
Swift
Terraform
Text
TypeScript
T-SQL
VB.NET
VB6
XML

CloudFormation static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your CLOUDFORMATION code

All rules 27 | Vulnerability 3 | Security Hotspot 20 | Code Smell 4

Tags ⌄ | Search by name...

Security Hotspot

Using unencrypted SNS topics is security-sensitive

Security Hotspot

Using unencrypted SageMaker notebook instances is security-sensitive

Security Hotspot

Using unencrypted Elasticsearch domains is security-sensitive

Security Hotspot

Using unencrypted RDS databases is security-sensitive

Security Hotspot

Using unencrypted EBS volumes is security-sensitive

Security Hotspot

Disabling logging is security-sensitive

Security Hotspot

"Log Groups" should be declared explicitly

Code Smell

Administration services access should be restricted to specific IP addresses

Vulnerability

Disabling versioning of S3 buckets is security-sensitive

Security Hotspot

Disabling server-side encryption of S3 buckets is security-sensitive

Security Hotspot

AWS tag keys should comply with a naming convention

Code Smell

CloudFormation parsing failure

Code Smell

AWS tag keys should comply with a naming convention

Analyze your code

Code Smell   Minor   aws convention

Shared conventions allow teams to collaborate effectively. This rule allows to check that all tag keys match a provided regular expression.

Noncompliant Code Example

With default provided regular expression ^([A-Z]:)([A-Z][A-Za-z]*)$:

```
AWSTemplateFormatVersion: 2010-09-09
Resources:
  S3Bucket:
    Type: 'AWS::S3::Bucket'
    Properties:
      BucketName: "mybucketname"
      Tags:
        - Key: "anycompany:cost-center" # Noncompliant
          Value: "Accounting"
        - Key: "anycompany:EnvironmentType" # Noncompliant
          Value: "PROD"
```

Compliant Solution

```
AWSTemplateFormatVersion: 2010-09-09
Resources:
  S3Bucket:
    Type: 'AWS::S3::Bucket'
    Properties:
      BucketName: "mybucketname"
      Tags:
        - Key: "Anycompany:CostCenter"
          Value: "Accounting"
        - Key: "Anycompany:EnvironmentType"
          Value: "PROD"
```

See

- AWS Documentation: Adopt a Standardized Approach for Tag Names

Available In:

sonarcloud | sonarqube