



Fugue: Cloud Infrastructure Security and Compliance for Google Cloud

Fugue is enterprise cloud security developed for engineers, by engineers. We approach cloud security as a software engineering problem, because the cloud is fully programmable. We believe that security should be an integral part of software development, instead of being bolted on as after-the-fact analysis.

Our SaaS product and open source tools provide immediate visibility into Google Cloud environments with dynamic, real-time architecture diagrams. Fugue identifies potential misconfiguration and compliance violations, both before and after resources are deployed. Fugue's open source Regula tool evaluates Terraform scripts for Google Cloud with the Open Policy Agent framework, enabling policy as code and CI/CD use cases with pre-built checks for the CIS Google Cloud Platform Foundations Benchmark. Customers such as PBS, PenFed, SparkPost, SAP NS2, and TrueCar trust Fugue to protect their cloud environments.

USE CASES FOR FUGUE:



Gain visibility into your Google Cloud security posture



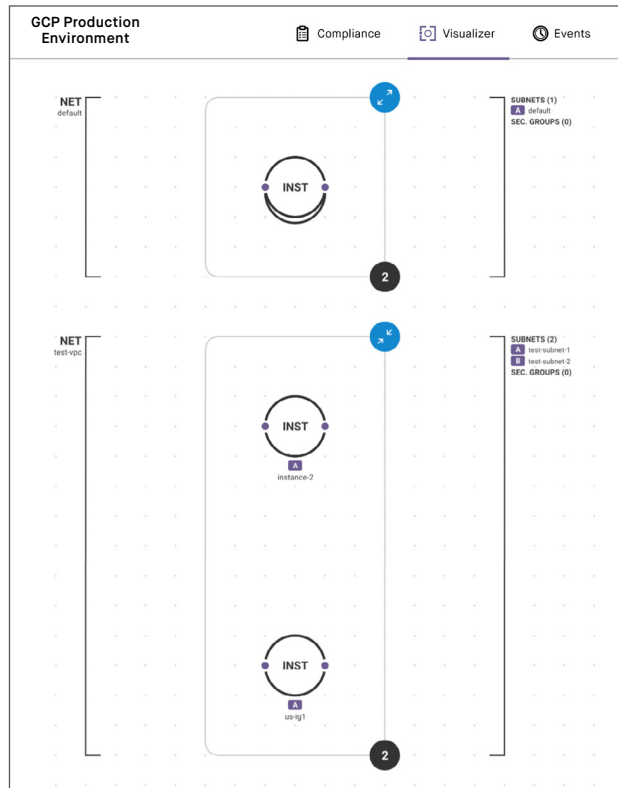
Assure and demonstrate cloud infrastructure compliance



Automate pre-deployment Google Cloud security with Regula

Gain Visibility

Visualize your Google cloud environments, discover resources and configurations, and validate compliance. For example, if a developer enables ingress to port 22 (SSH) with a firewall rule and forgets to remove the rule later, Fugue highlights the misconfigured firewall rule and VPC.



Continuous Compliance

Fugue continuously assesses your Google Cloud resources for potential security misconfigurations and policy violations mapped to common compliance families, including CIS Google Cloud Platform Foundations Benchmark.

Automate Pre-Deployment Security

Regula enables DevOps and security engineers using Google Cloud to evaluate their Terraform infrastructure-as-code for potential misconfigurations and compliance violations before any resources are created.

```
regula --bash --101x32

"sql_server_firewall_no_inbound_all": {
  "resources": {
    "azurerm_sql_firewall_rule.invalidrule1": {
      "id": "azurerm_sql_firewall_rule.invalidrule1",
      "message": "invalid",
      "type": "azurerm_sql_firewall_rule",
      "valid": false
    },
    "azurerm_sql_firewall_rule.invalidrule2": {
      "id": "azurerm_sql_firewall_rule.invalidrule2",
      "message": "invalid",
      "type": "azurerm_sql_firewall_rule",
      "valid": false
    },
    "azurerm_sql_firewall_rule.invalidrule3": {
      "id": "azurerm_sql_firewall_rule.invalidrule3",
      "message": "invalid",
      "type": "azurerm_sql_firewall_rule",
      "valid": false
    },
    "azurerm_sql_firewall_rule.invalidrule4": {
      "id": "azurerm_sql_firewall_rule.invalidrule4",
      "message": "invalid",
      "type": "azurerm_sql_firewall_rule",
      "valid": false
    },
    "azurerm_sql_firewall_rule.validrule1": {
      "id": "azurerm_sql_firewall_rule.validrule1",
      "message": "",
      "type": "azurerm_sql_firewall_rule",
      "valid": true
    }
  }
}
```

Fugue

GCP Production 1 Environment

Projectmy-project

Last Scan2/17/2023 5:00 PM

Next Scan2/17/2023 6:00 PM

Score Report

Compliance FamilyCISGCP

Compliance

Scanner & DMR DetailsAdd Scanner & ScannerAdd Scanner & Scanner

STATUS: All 2,400 OK

Compliance

SCANNER RESOURCES440Resources Type: 10

COMPLIANT RESOURCES424 (95.4%)Compliance Ratio Passed: 0

NON-COMPLIANT RESOURCES16 (3.6%)Compliance Ratio Failed: 33

CISGCP

0 Rules Passed30 Rules Failed

COMPLIANCE BY RULE

COMPLIANCE BY RESOURCE TYPE

COMPLIANCE BY RESOURCE

Compliance by Rule

FILTER BY COMPLIANCECISGCP

FILTER BY RESULTPassFailMissing Data

Clear All Filters

RULE	DESCRIPTION	RESULT	NON-COMPLIANT
CISGCP 1.0	RMS rights logs should be retained at least once every 300 days	Pass	1 Issue
CISGCP 3.4	VPC Firewall rules should not permit ingress from 0.0.0.0/0 to port 22 (SSH)	Fail	1 Issue
CISGCP 3.7	VPC Firewall rules should not permit ingress from 0.0.0.0/0 to port 3389 (Remote Desktop Protocol)	Fail	1 Issue
CISGCP 3.8	VPC subnets Private (Google Access) should be enabled	Fail	1 Issue
CISGCP 3.9	VPC subnets Flow logging should be enabled	Fail	1 Issue

About Fugue

Fugue ensures that cloud infrastructure stays in continuous compliance with enterprise security policies. Our product identifies security risks and compliance violations, and enables infrastructure baselines for managing unwanted configuration changes and providing enforcement with self-healing capabilities. Customers such as SparkPost, PBS, and SAP NS2 trust Fugue to protect their cloud environments against security risks and compliance violations.