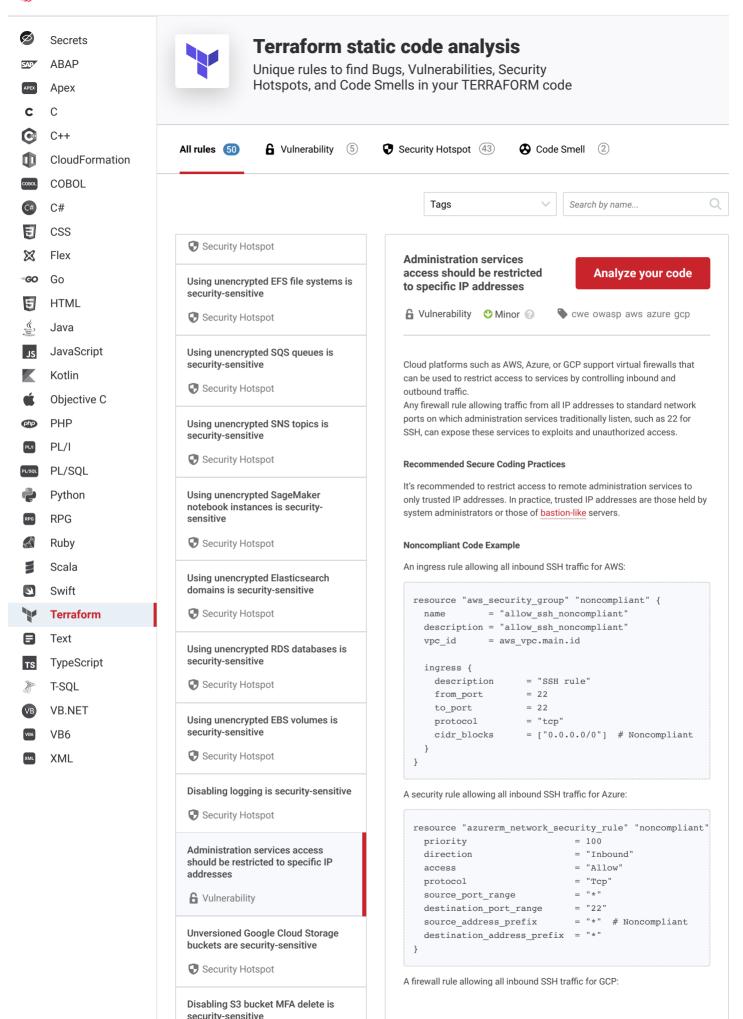


Products >



```
Security Hotspot
```

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

Terraform parsing failure

Code Smell

```
resource "google_compute_firewall" "noncompliant" {
  network = google_compute_network.default.name

allow {
    protocol = "tcp"
    ports = ["22"]
  }

source_ranges = ["0.0.0.0/0"] # Noncompliant
}
```

A security rule allowing all inbound SSH traffic for Azure:

```
resource "azurerm_network_security_rule" "noncompliant"
priority = 100
direction = "Inbound"
access = "Allow"
protocol = "Tcp"
source_port_range = "*"
destination_port_range = "22"
source_address_prefix = "*" # Noncompliant
destination_address_prefix = "*"
}
```

Compliant Solution

An ingress rule allowing inbound SSH traffic from specific IP addresses for AWS:

```
resource "aws_security_group" "compliant" {
name = "allow_ssh_compliant"
 description = "allow ssh compliant"
 vpc id = aws vpc.main.id
 ingress {
                 = "SSH rule"
   description
   from_port
                 = 22
   to_port
                 = 22
  protocol
                 = "tcp"
   cidr_blocks
                 = ["1.2.3.0/24"]
}
```

A security rule allowing inbound SSH traffic from specific IP addresses for Azure:

A firewall rule allowing inbound SSH traffic from specific IP addresses for GCP:

```
resource "google_compute_firewall" "compliant" {
  network = google_compute_network.default.name

allow {
    protocol = "tcp"
    ports = ["22"]
  }

source_ranges = ["10.0.0.1/32"]
}
```

- MITRE, CWE-284 Improper Access Control
- OWASP Top 10 2017 Category A5 Broken Access Control
- OWASP Top 10 2021 Category A1 Broken Access Control
- AWS Documentation Security groups for your VPC
- Azure Documentation Network security groups
- GCP Documentation Firewalls

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