

# GCP Firewall SOP

## SOP: GCP FIREWALL RULE CREATION

### HOW IT WORKS:

GCP firewall rules apply at VPC level.

Rules are evaluated based on priority.

Firewall rules are STATEFUL.

### USING GCP CONSOLE:

1. Login to GCP Console
2. Go to VPC Network → Firewall
3. Click Create firewall rule
4. Define direction, target tags, source ranges
5. Allow required ports

### USING GCP CLI:

```
gcloud compute firewall-rules create allow-ssh --allow tcp:22 --source-ranges 0.0.0.0/0 --direction INGRESS
```

### BEST PRACTICES:

- Use network tags or service accounts
- Avoid project-wide open rules
- Use IAP instead of SSH
- Log firewall rules