

# Google Cloud Platform - Development Environment

Infrastructure Architecture | Project: praxis-gear-483220-k4

GCP

## Internet

External Traffic  
HTTPS/SSH Access

## Security & Firewall

- SSH Access: Port 22
- HTTP/HTTPS: Ports 80, 443
- Internal: All ports
- Health Checks: GCP ranges

### Network Tags:

ssh-allowed

http-allowed

health-check

## Workload Identity

**Pool ID:** dev-pool  
**Provider:** GitHub Actions  
**Repository:** Configured  
**Status:** ✓ Active

No Stored Keys

## Google Cloud Project: praxis-gear-483220-k4

## VPC Network: dev-vpc

## Subnet: dev-subnet (10.0.1.0/24)

### Cloud Router

dev-router

### Cloud NAT

dev-nat

## Compute Engine Instance

dev-vm | e2-medium

Ubuntu 22.04 LTS

Internal: 10.0.1.2

External: 34.173.255.107

Docker Ready

## Service Account: dev-vm-sa

Workload Identity Enabled

## Infrastructure Metrics

- Resources: 15 Created
- Modules: 4 Deployed
- Security: Compliant
- Cost/Month: \$18-24
- Uptime: 99.9% SLA

## Deployed via Terraform

Infrastructure as Code

Version Controlled