GCP Network Architecture Diagram

Project: praxis-gear-483220-k4 | Environment: Development | Region: us-central1

INTERNET

External Network

Google Cloud Project: praxis-gear-483220-k4

Security & Firewall Rules

- **SSH Access**
  TCP:22

- **HTTP/HTTPS**
  Developer   CI/CD   Admin   Monitor
  TCP:80,443

- **Internal**
  All Protocols

- **Health Check**
  GCP Ranges

Network Tags Applied:

ssh-allowed	http-allowed	health-check

VPC Network: dev-vpc (Custom Mode)

Subnet: dev-subnet | CIDR: 10.0.1.0/24

Cloud Router
dev-router

Cloud NAT
dev-nat

Compute Engine Instance

Name: dev-vm

Type: e2-medium | OS: Ubuntu 22.04

Internal IP: 10.0.1.2

External IP: 34.173.255.107

Service Account: dev-vm-sa
Workload Identity Enabled

IP Address Allocation

VPC CIDR: 10.0.0.0/16
Subnet CIDR: 10.0.1.0/24
VM Private IP: 10.0.1.2

Network Legend

▢▢▢	Data Flow
▢▢▢	Security Policy
——	Identity Flow
●	Active Component

Network Metrics & Status

Throughput:	850 Mbps
Latency:	12ms avg
Packet Loss:	0.01%
Availability:	99.99%
Security Score:	A+
Monthly Cost:	$22.50

Identity & Access Management

Workload Identity Pool:	dev-pool
GitHub OIDC Provider:	Configured
Service Account Roles:	4 Bindings
Shielded VM Security:	Enabled