INFOSOFT IT SOLUTIONS

Training | Projects | Placements

GCP NETWORKING

Introduction to GCP Networking

- Overview of Google Cloud Platform networking services
- Understanding GCP global infrastructure and regions
- Comparing GCP networking with traditional on-premises networks

GCP Virtual Private Cloud (VPC)

- Creating and configuring VPC networks
- Subnetting and IP addressing in GCP
- VPC peering and shared VPCs

GCP Load Balancing

- Overview of GCP load balancing options (HTTP(S), TCP/SSL Proxy, Internal)
- Configuring global and regional load balancers
- Load balancing algorithms and traffic distribution

GCP Network Security

- Firewall rules and network tags in GCP
- Using Cloud Armor for DDoS protection
- VPN (Virtual Private Network) and Interconnect options

Hybrid Connectivity

- Hybrid cloud architectures with GCP
- Configuring VPNs for hybrid connectivity
- Dedicated Interconnect and Partner Interconnect options

GCP DNS (Domain Name System)

- Overview of Cloud DNS service
- Managing DNS records and zones in GCP
- Integrating Cloud DNS with GCP services

Network Monitoring and Optimization

- Using Network Intelligence Center for monitoring and troubleshooting
- Optimizing network performance with VPC Flow Logs
- Using Network Topology and Network Peering insights

GCP CDN (Content Delivery Network)

- Overview of Google Cloud CDN
- Configuring CDN for static and dynamic content
- Integrating CDN with GCP services

Network Services and Hybrid Connectivity

- Using Cloud NAT (Network Address Translation)
- Configuring Proxy and Private Google Access
- Using Cloud DNS for internal name resolution