





















### ORGANIZATION PLANNING

-  Explain the GCP Hierarchy
-  Create an Organization on GCP
-  Understand Cloud Identity or Workspace
-  Assign and manage IAM Roles
-  Utilize Service Accounts
-  Create Billing Budgets & Alerts
-  Export Billing Data to BigQuery
-  Estimating Pricing

### DEPLOYMENT PLANNING

-  Compute
-  GKE
-  Storage
-  Big Data
-  Load Balancing
-  App Engine
-  Cloud Functions
-  Databases
-  Networking
-  VPN

### MANAGEMENT PLANNING

-  Monitoring and Logging
-  Scaling Operations
-  Organizational Policy
-  Cloud Identity
-  Connectivity

### PLANNING SKILLS

- \_\_\_ Creating Projects
- \_\_\_ Using Cloud IAM
- \_\_\_ Managing Billing Accounts
- \_\_\_ Creating Org Folders
- \_\_\_ Pre-Defined Roles
- \_\_\_ Billing Budgets
- \_\_\_ Creating Members (users)
- \_\_\_ Custom Roles
- \_\_\_ Billing Exports
- \_\_\_ Creating Groups (Identity)
- \_\_\_ IAM Policy
- \_\_\_ Big Query
- \_\_\_ Service Accounts
- \_\_\_ Organization Admin
- \_\_\_ Setting up Billing Alerts
- \_\_\_ Pricing Calculator

### DEPLOYMENT SKILLS

- |   |  |   |
|---|--|---|
| <b>Storage</b> <ul style="list-style-type: none"><li>___ Lifecycles</li><li>___ Version History</li><li>___ Storage Class</li><li>___ Storage Buckets</li><li>___ Storage Permissions</li></ul> | <b>Compute Instance</b> <ul style="list-style-type: none"><li>___ Images</li><li>___ Managed Instance Groups</li><li>___ AutoScaling</li><li>___ Custom Networking</li><li>___ Firewall Rules</li><li>___ Routes</li></ul> | <b>GKE</b> <ul style="list-style-type: none"><li>___ Cluster - Regional vs Zone</li><li>___ Networking</li><li>___ Components</li><li>___ Commands</li><li>___ Connectivity</li></ul> |
| <b>VPC Network</b> <ul style="list-style-type: none"><li>___ Routes</li><li>___ Firewall Rules (Tags)</li><li>___ VPN</li><li>___ Peering</li><li>___ DNS</li></ul>                             | <b>Databases</b> <ul style="list-style-type: none"><li>___ Cloud SQL</li><li>___ MySQL</li><li>___ Spanner</li><li>___ Datastore</li><li>___ Big Table</li></ul>   | <b>Big Data Services/ML</b> <ul style="list-style-type: none"><li>___ Big Query</li><li>___ DataFlow</li><li>___ Pub/sub</li><li>___ Data Fusion</li><li>___ Dataproc</li></ul>       |
| <b>App Engine</b> <ul style="list-style-type: none"><li>___ Deploy a Solution</li><li>___ Updating a Deployed App</li></ul>   | <b>Cloud Functions</b> <ul style="list-style-type: none"><li>___ Cloud Run</li><li>___ Cloud Build</li><li>___ Cloud Repositories</li></ul>  |   |

### MONITORING SKILLS

- |   |   |   |
|---|---|---|
| <b>Cloud Monitoring Suite</b> <ul style="list-style-type: none"><li>___ setup cloud monitoring</li><li>___ setup cloud logging</li><li>___ view audit logs</li><li>___ find logs using log explorer</li><li>___ Install/configure the monitoring agent</li><li>___ Setup alerts and Notifications</li><li>___ Operations suite Components</li></ul> | <b>Google MarketPlace</b> <ul style="list-style-type: none"><li>___ Deploy a Solution</li><li>___ Manage the Solution</li></ul> | <b>Deployment Manager</b> <ul style="list-style-type: none"><li>___ Create a deployment</li><li>___ Update a Deployment</li><li>___ Using Templates</li></ul> |
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