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Certified Google Cloud Red Team Specialist [CGRTS]

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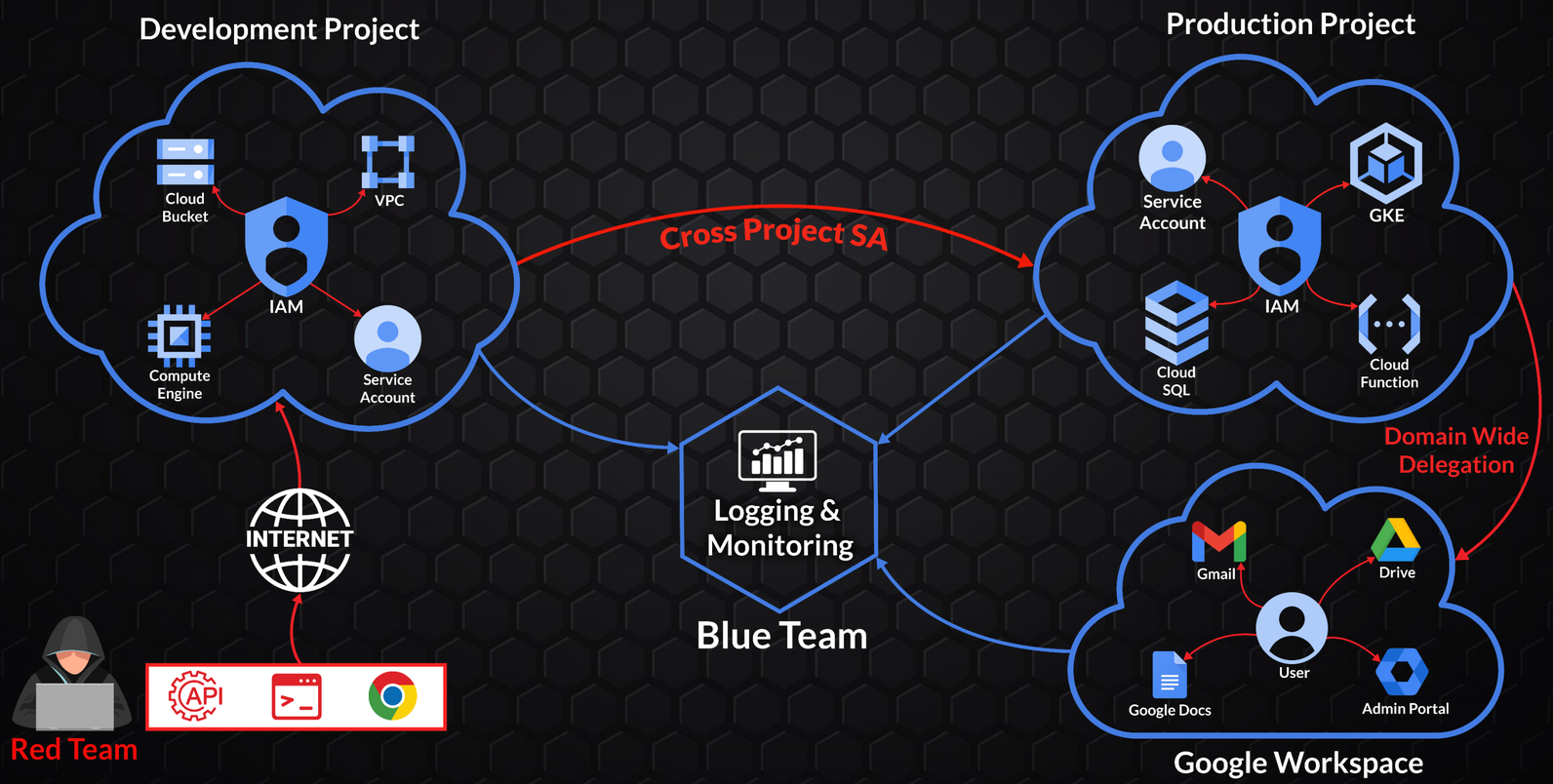
Certified Google Cloud Red Team Specialist Architeture



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Module 1 :
Google Cloud Red Team Fundamentals

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- **Google Cloud Platform**
  - Hierarchy
  - Service Account
  - Identity & Access Management
- **Google Workspace**
  - Management
  - Productive Apps
- **Google Cloud** Authentication
  - GUI, CLI & API

- **Motive / Objective in Red Team Ops in Google Cloud**
- **Red Team Methodology**
  - Cyber Kill Chain
  - Assume Breach Scenario
  - MITRE ATT&CK Matrix for Cloud

Module 2 :
Red Team Operations in Google Cloud Environment

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- **Open Source Information Gathering (OSINT)**
  - Passive [DNS based]
  - Active
- **Gaining Initial Access**
  - Stolen Credential [SVN, Dev System Compromise]
  - Exploiting Application [App running on VM, Serverless, Kubernetes]
- **Internal Recon**
  - Google Cloud Services

- **Privilege Escalation**
  - Local [VM] Based [Windows, Linux]
  - Cloud Based [IAM Misconfiguration, Service Account etc.]
- **Maintaining Access**
  - Local [VM] Based [Users, OsLogin, SSH Key etc.]
  - Cloud Based [Service Account, Cloud Function etc.]
- **Hunting for Credentials**
  - Secret [Secret Manger etc.]
  - Sensitive Data [Buckets, Databases etc.]

- **Lateral Movement**
  - Pivot the Networks Boundary [VPC]
  - Expand Access Control Plane to Data Plane [VMs]
  - GCP to Workspaces Access [Domain Wide Delegation]
- **Achieving the Objectives**
  - Data Exfiltration / Destruction / Encryption

Module 3 :
Blue Team Operations in Google Cloud Environment

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- **Security Controls**
  - **Organisational Policy**
- **Logging & Monitoring**
- **Security Command Center**

Google Cloud Red Team Specialist Training Materials

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- **Lab:**
  - Demo Lab
  - Challenge Lab
  - Exam Lab
- **Study Material:**
  - Study Material PPT
  - Training / Course Slides
  - Challenge Lab Walkthrough PPT
- **Tools:**
  - Cloud Enum
  - Gcploit
  - GCP PrivESC Scanner

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Thank You

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