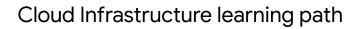


Architecting Hybrid Infrastructure with Anthos





Cloud Infrastructure

These tracks are designed for IT professionals who are responsible for implementing, deploying, migrating and maintaining applications in the cloud.

- 1 Google Cloud Platform
 Fundamentals: Core Infrastructure

 2 Architecting with Google
 Kubernetes Engine
 - 3 Architecting Hybrid Infrastructure with Anthos

Audience and Prerequisites

Target Audiences

- Cloud architects, administrators, and SysOps/DevOps personnel of GCP customer companies
- Individuals using Google Cloud
 Platform to manage and operate
 hybrid and cloud agnostic
 infrastructure

Prerequisites

- Google Cloud Platform Fundamentals: Core Infrastructure or equivalent experience
- Architecting with Google Kubernetes
 Engine or equivalent experience

Specialization Objectives

- Understand Anthos benefits
- Understand the core Anthos components, used across Hybrid environments
- Configure GKE On-Prem
- Understand service mesh benefits
- Install and configure service mesh with Istio
- Configure centralized telemetry using service mesh
- Configure traffic management and security using service mesh
- Install Anthos Config Management and use it to enforce policies
- Understand, define and manage multi-cluster service architectures and ingress using service mesh

Specialization Agenda

Module		Labs	
1	Anthos Overview	• n/a	
2	Managing Hybrid Clusters using Kubernetes Engine	 Managing Hybrid Clusters using Kubernetes Engine 	
3	Introduction to Service Mesh with Istio	 Installing Open Source Istio on Kubernetes Engine Installing the Istio on GKE Add-On with Kubernetes Engine 	
4	Observing Services using Service Mesh Adapters	 Observing Services using Prometheus, Grafana, Jaeger, and Kiali 	
5	Traffic Management with Istio and Envoy	 Manage Traffic Routing with Istio and Envoy 	

Specialization Agenda

Module		Labs	
6	Managing Security Policies with Istio and Citadel	 Manage Policies and Security with Istio and Citadel 	
7	Configuring GKE for Multi-Cluster Operation with Istio	 Configuring GKE for Multi-Cluster Operation with Istio 	
8	Managing Policies in Kubernetes Engine using Anthos Config Management	 Managing Policies in Kubernetes Engine using Anthos Config Management 	

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- A set of resources for a fixed amount of time at no additional charge
- A clean environment with permissions



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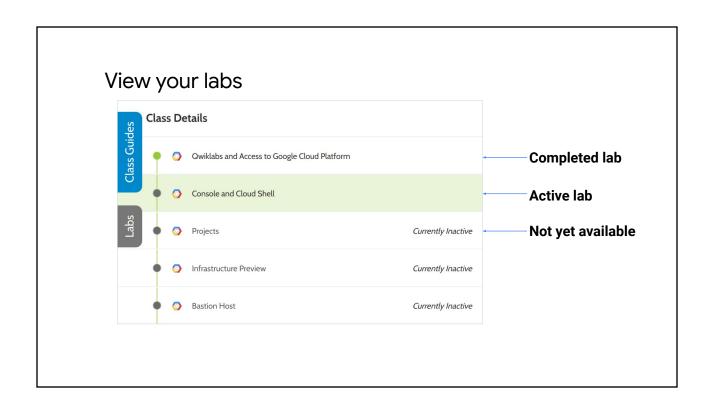
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02 Controlling	Access to VPC Networks		
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04 Load Balan	cing		

