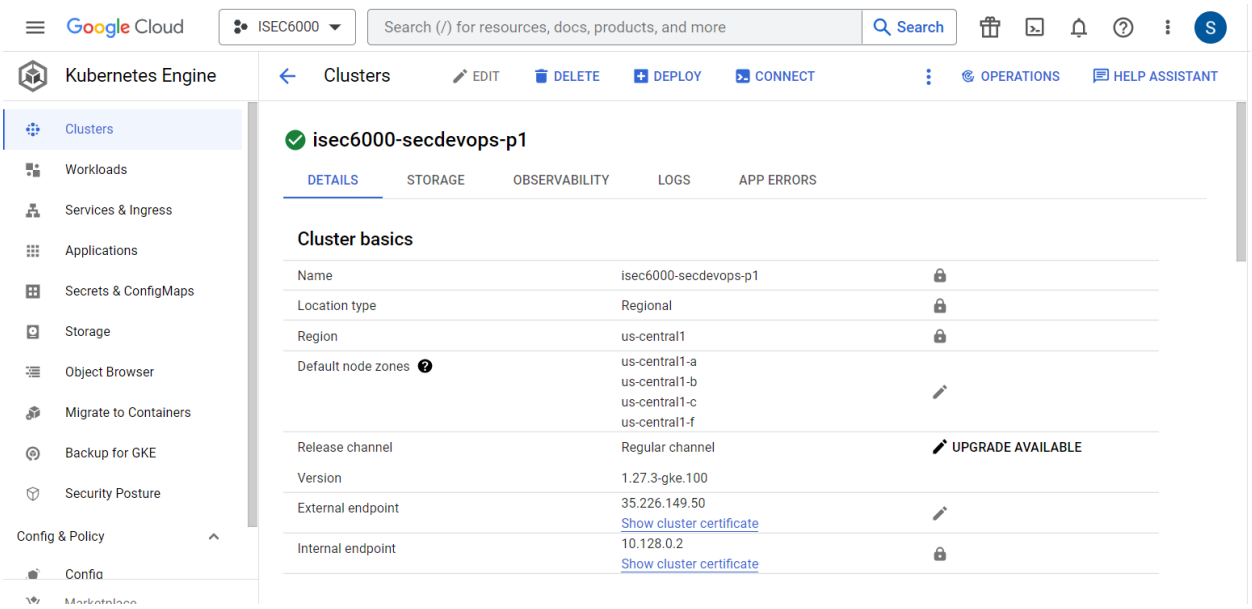
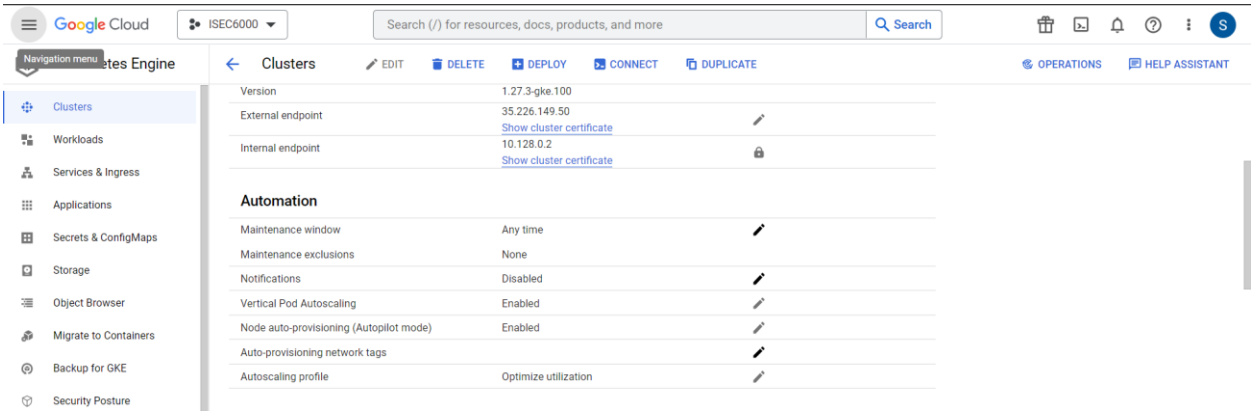
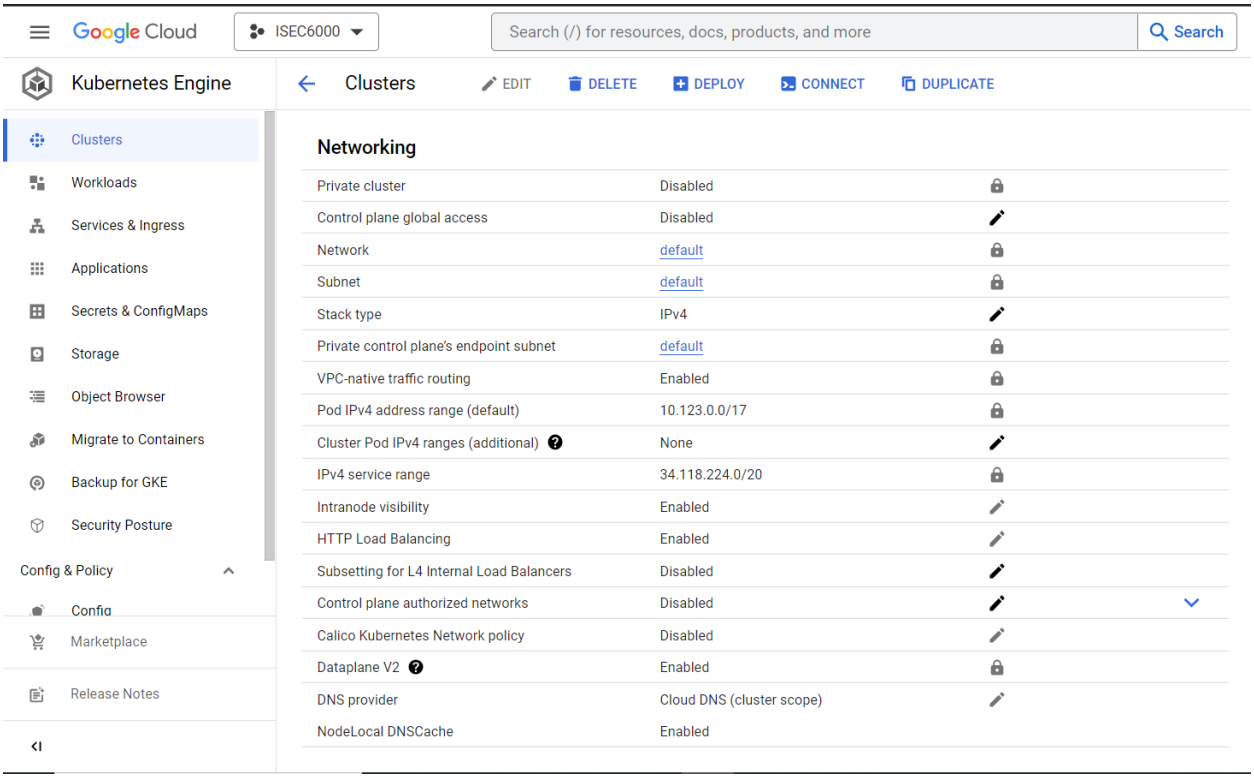
Secure DevOps – Assignment 1

Task – 1: Setting Up Initial Infrastructure

1. Setting up Kubernetes Cluster on GKE.



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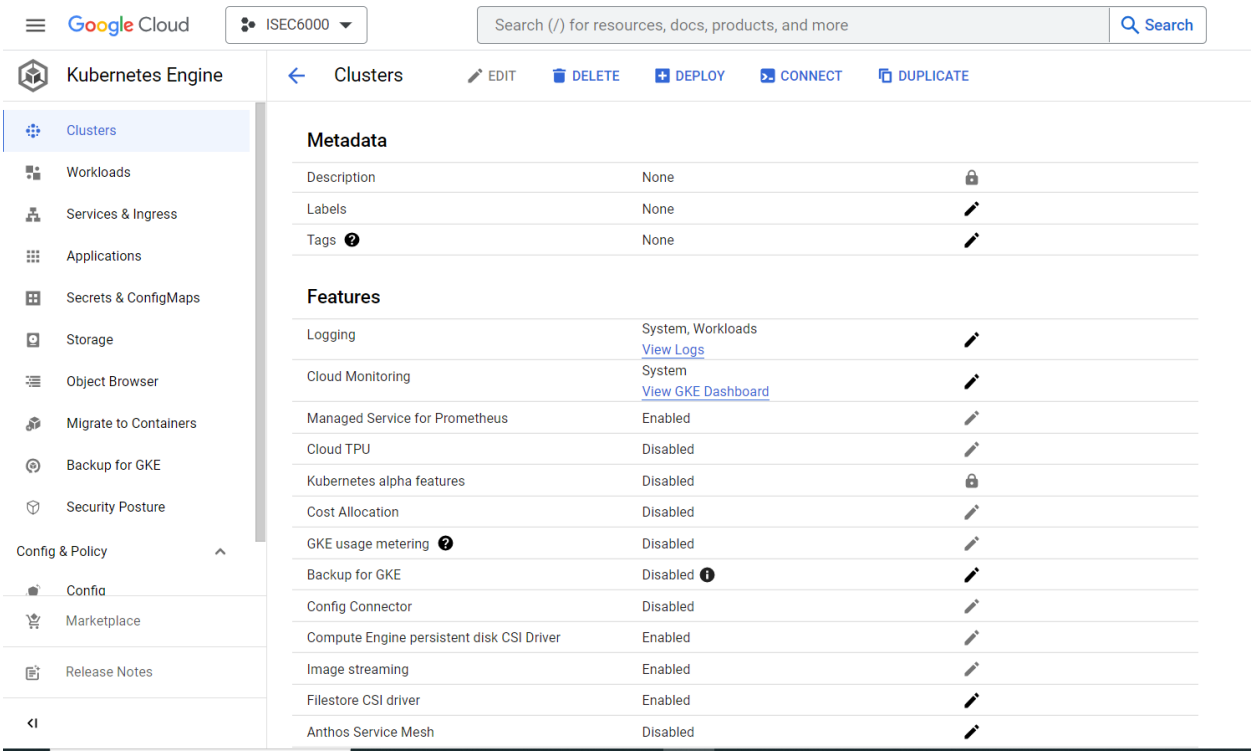
Migrate to Containers
Backup for GKE
Security Posture
Config & Policy
Config
Marketplace
Release Notes
Networking
Private cluster Disabled
Control plane global access Disabled
Network default
Subnet default
Stack type IPv4
Private control plane's endpoint subnet default
VPC-native traffic routing Enabled
Pod IPv4 address range (default) 10.123.0.0/17
Cluster Pod IPv4 ranges (additional) None
IPv4 service range 34.118.224.0/20
Intranode visibility Enabled
HTTP Load Balancing Enabled
Subsetting for L4 Internal Load Balancers Disabled
Control plane authorized networks Disabled
Calico Kubernetes Network policy Disabled
Dataplane V2 Enabled
DNS provider Cloud DNS (cluster scope)
NodeLocal DNSCache Enabled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Labels None
Tags None
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Logging System, Workloads
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Cloud Monitoring System
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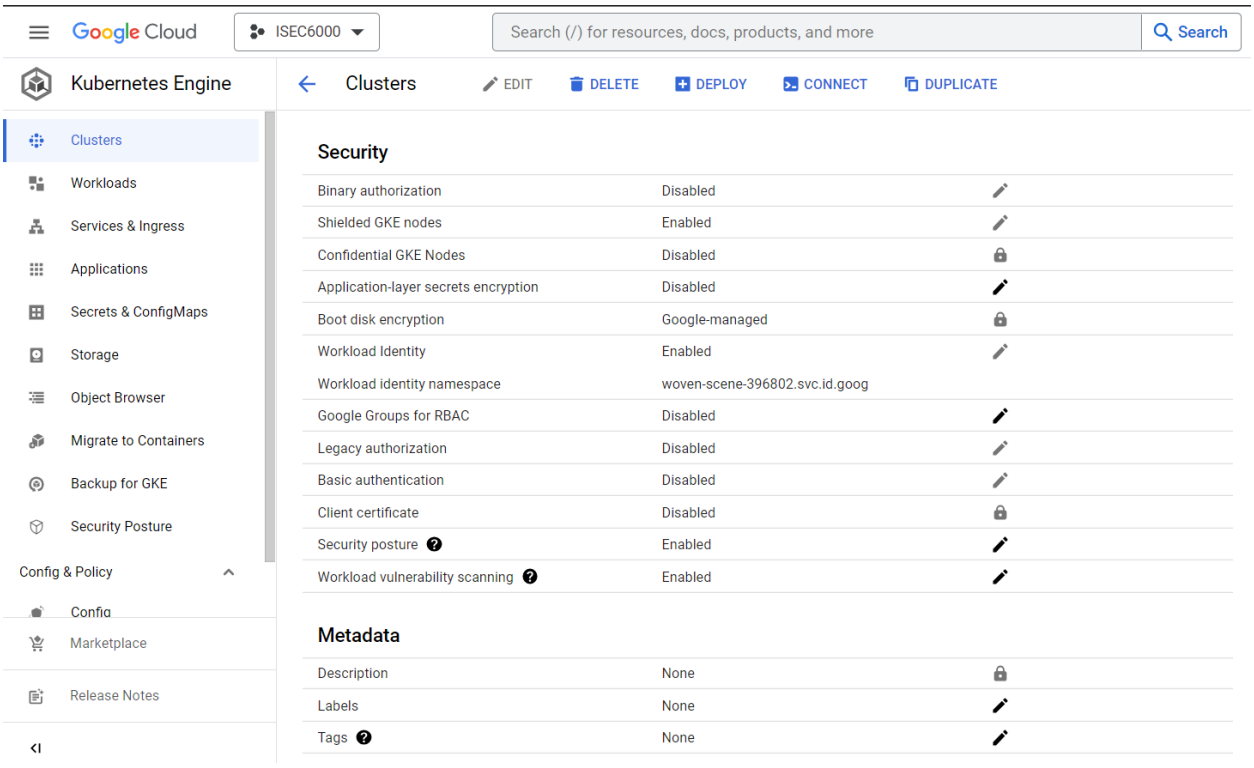
Managed Service for Prometheus Enabled
Cloud TPU Disabled
Kubernetes alpha features Disabled
Cost Allocation Disabled
GKE usage metering Disabled
Backup for GKE Disabled
Config Connector Disabled
Compute Engine persistent disk CSI Driver Enabled
Image streaming Enabled
Filestore CSI driver Enabled
Anthos Service Mesh Disabled



2. Configuring kubectl to manage the kubernetes cluster.