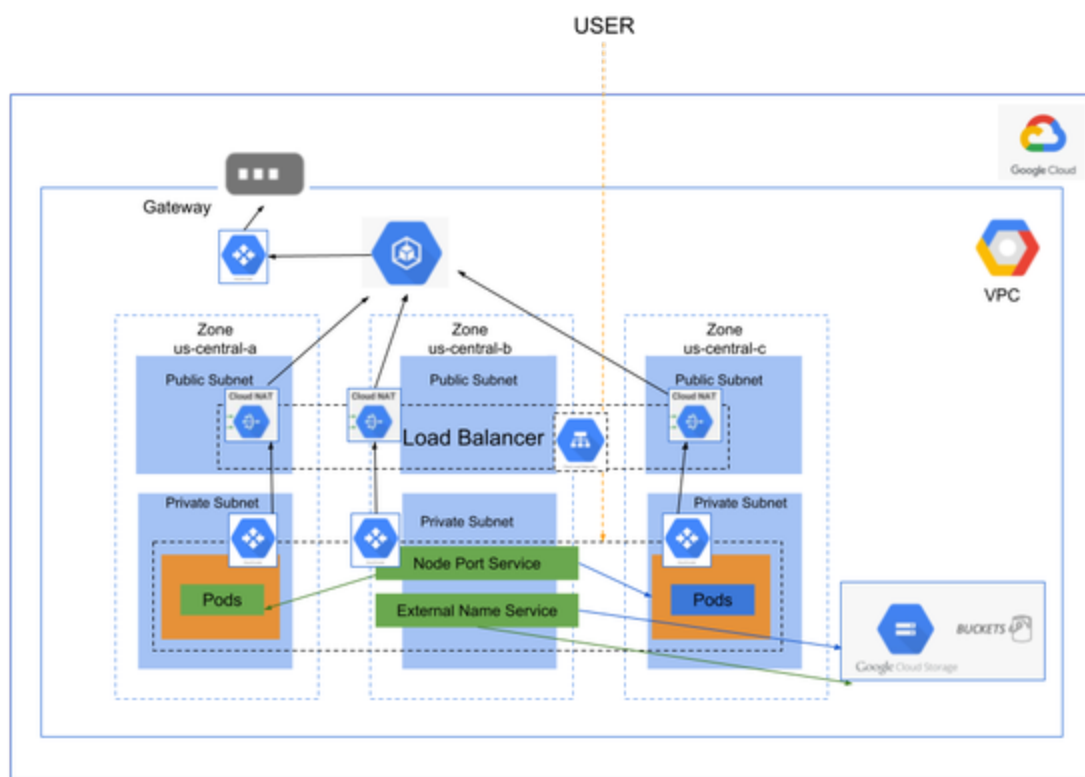
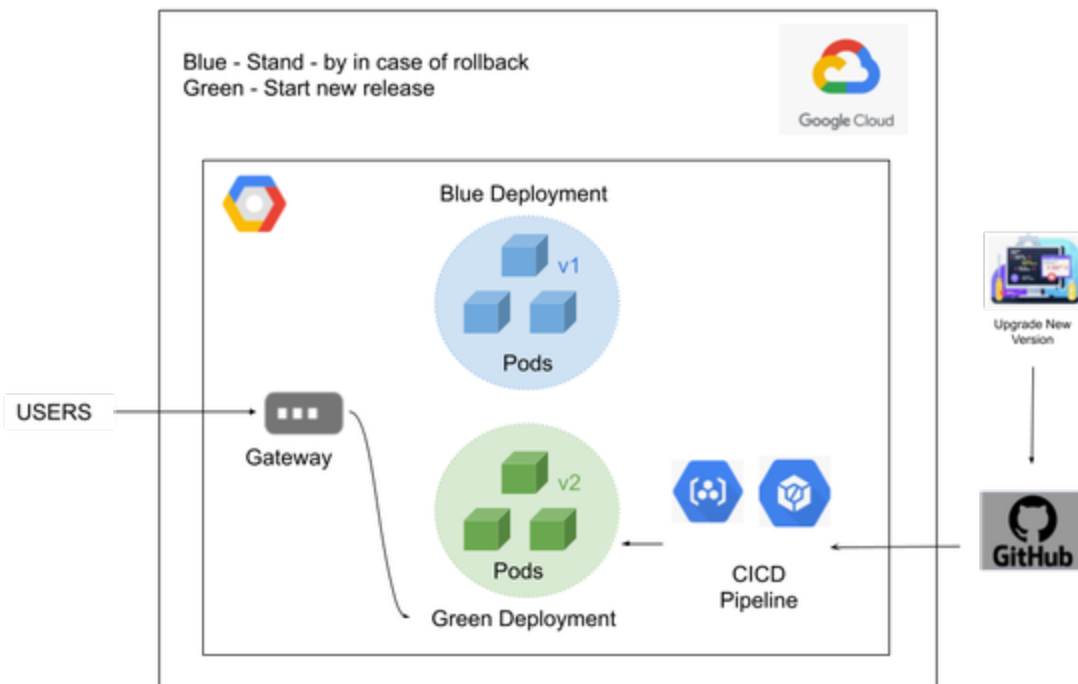
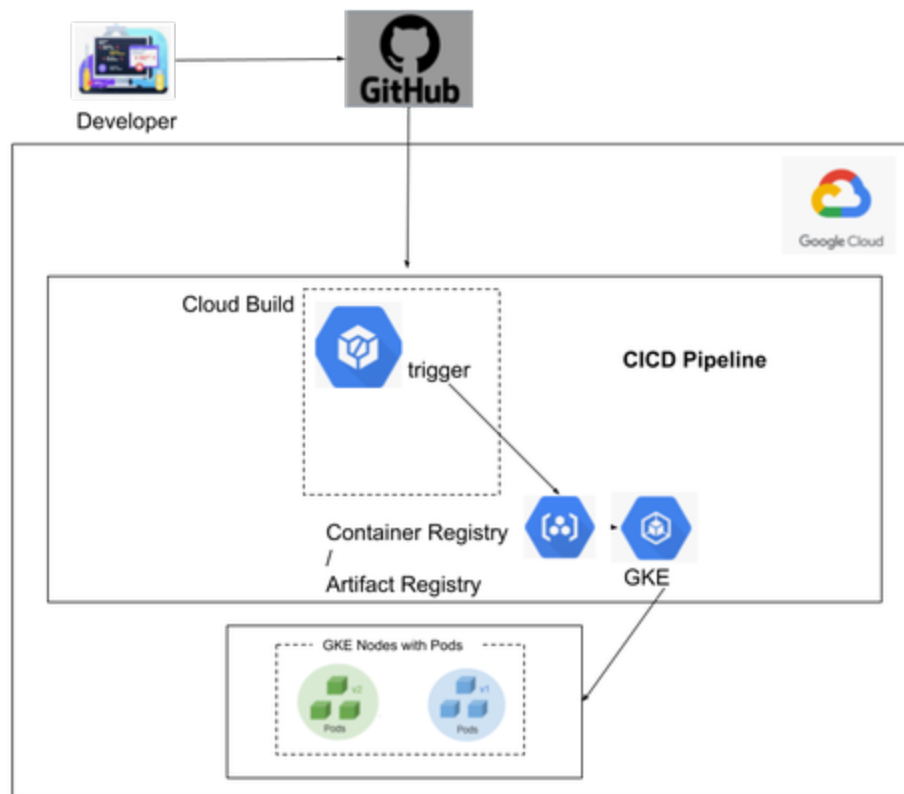


IIT_ID_20200770 Run Book Cloud Computing Assignment 2022- Jan

Runbook name	cloud-computing-assignment
Runbook description	Cloud-Computing-Project-2022
Owner	@ Azim Mohamed
Version	V 1
Version date	29 Dec 2021
On this page	<ul style="list-style-type: none">• 1 cloud-computing-assignment• 2 Architecture• 3 Support contacts• 4 Runs• 5 Process

Architecture





Expertise level	Team	Team lead	Contact info
Level 1	@ Azim Mohamed		azimmohamed2022@gmail.com
Level 2	@ Azim Mohamed	Dev	azimmohamed2022@gmail.com
Level 3			

Runs

Name	State	Start time	Completed time	Duration
Code Review	SUCCESS / ERROR			
Log File	SUCCESS / ERROR			
Health Monitoring	SUCCESS / ERROR			
DataBase Backup	SUCCESS / ERROR			

Process

	Step instructions	Enabled	Execution location	Run environments	Run conditions	Run Instruction	Documentation
1	Configuration Cloud Shell	YES	GCP Cloud	GCP Cloud	NO	1. gcloud config set project [PROJECT_NAME] 2. gcloud auth list	Authorizing Cloud SDK tools Cloud SDK Documentation Google Cloud
2	Configuration Region / Zone	YES	GCP Cloud	GCP Cloud	No	1. gcloud compute project-info describe --project PROJECT_ID <div> 2. gcloud compute project-info add-metadata \ -- metadata google-compute-default-region=europe-west1,google-compute-default-zone=europe-west1-b </div>	Changing the default region or zone Compute Engine Documentation Google Cloud
3	Create Github account	YES	Local Machine and Github location	Github location	No	No	How to Create an Account on GitHub: 8 Steps (with Pictures) (wikihow.com)

4	IAM role for each services	YES	GCP Cloud	GCP Cloud			Compute Engine IAM roles and permissions Compute Engine Documentation Google Cloud
5	Access for container registry	YES	GCP Cloud	GCP Cloud			Access control with IAM Container Registry documentation Google Cloud
6	Access for cloud storage	YES	GCP Cloud	GCP Cloud	Region Specified	Creating Bucket Define Storage Classes Bucket Location IAM Access	Cloud Storage documentation Google Cloud Access control lists (ACLs) Cloud Storage Google Cloud
7	Install kubctl in cloud shell	YES	GCP Cloud	GCP Cloud		<pre>gcloud components install kubectl</pre> <pre>kubectl version</pre>	https://v1-20.docs.kubernetes.io/docs/tasks/tools/included/install-kubectl-gcloud/ https://cloud.google.com/kubernetes-engine/docs/how-to/cluster-access-for-kubectl
8	Create GKE cluster	YES	GCP Cloud	GCP Cloud			https://cloud.google.com/kubernetes-engine/docs/how-to/creating-a-zonal-cluster
9	Create / Modify deployment yml files	YES	GCP Cloud	GCP Cloud			
10	create cloudbuild yml file	YES	GCP Cloud	GCP Cloud			https://cloud.google.com/build/docs
11	Create Cloud build services	YES	GCP Cloud	GCP Cloud			
12	trigger github code in cloudbuild	YES	GCP Cloud	GCP Cloud			https://cloud.google.com/build/docs/automating-builds/create-manage-triggers