Overstory K8s Assignment

Part-2 Cloud-prediction application deployment:

		application is deployed on Minikube with three nodes on local machine. Inload the repo from GITHUB and run below command to install Minikube.						
		3. cd Minikube						
		bash minikube.sh						
4.	Run	n the below command to check the node status						
		5. kubectl get nodes						
6.	Crea	reate a namespace for our application deployment						
		7. kubectl create ns overstory						
8.	Now	deploy the cloud-prediction application using below commands						
		9. cd manifests kubectl apply -fn overstory						
10.	Che	ck the deployment status using below command						
		11. kubectl get pods -n overstory						
12.	You	should the pods running successfully, If not debug app using describe command						
		13. kubectl describe pod <pod_name_here> -n overstory</pod_name_here>						
14.	List	the service created in the namespace to access the pod						
		15. kubectl get svc -n overstory #get the external port from above command						
	6. This application is exposed on NodePort 7. Get the IP address of the node using below command							
		18. kubectl get nodes -o wide						

19. Now make a request to the application using below address

20. http://<NODE_IP>:<PORT>/get-prediction?image_path=image.tif
 Example: http://192.*.*.*:30823/get-prediction?image_path=image.tif

21	Let the page	load for s	ome time	After few	minutes v	vou will see	e the array	/ like below
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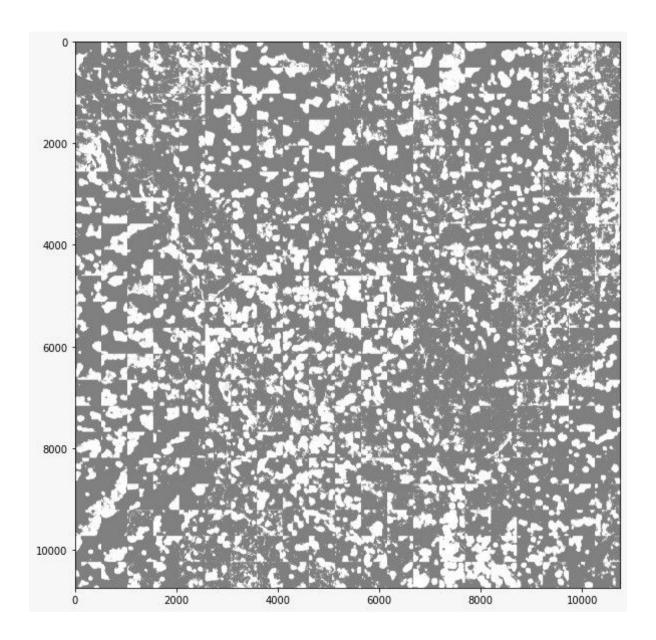
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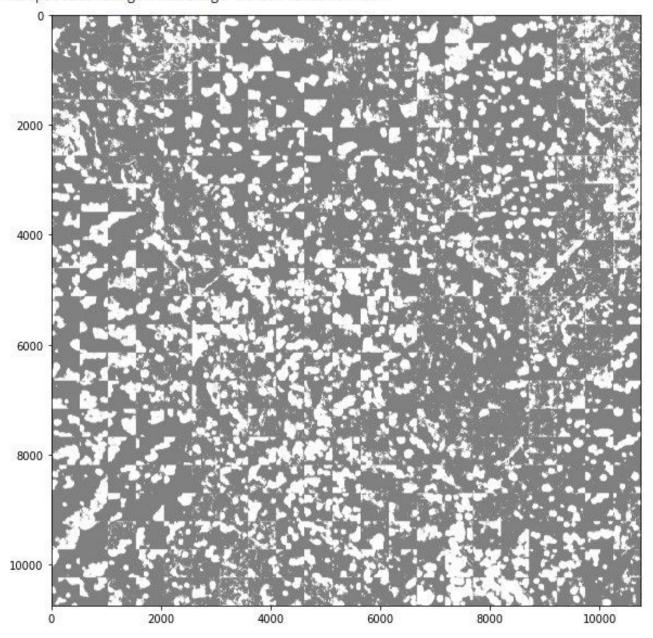
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23. Please find the switched images below

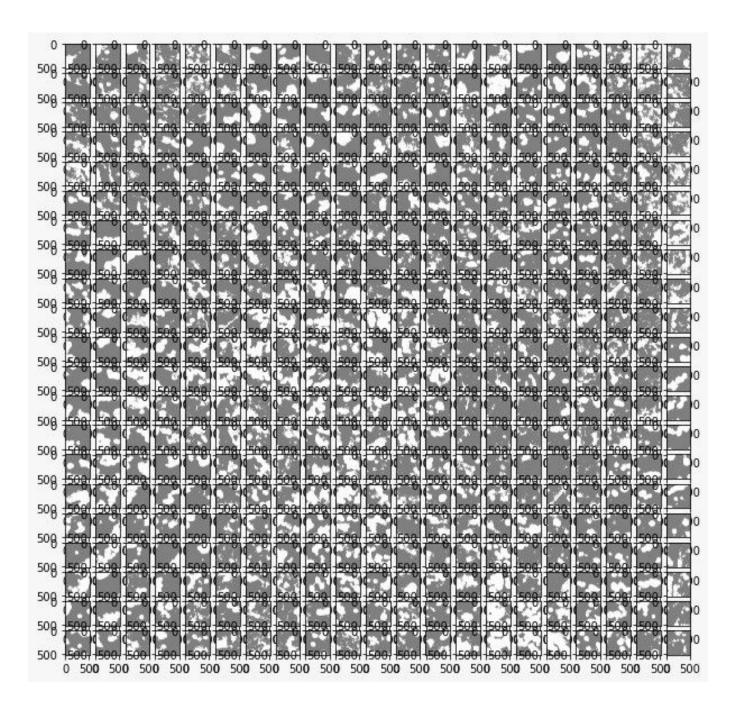
24.

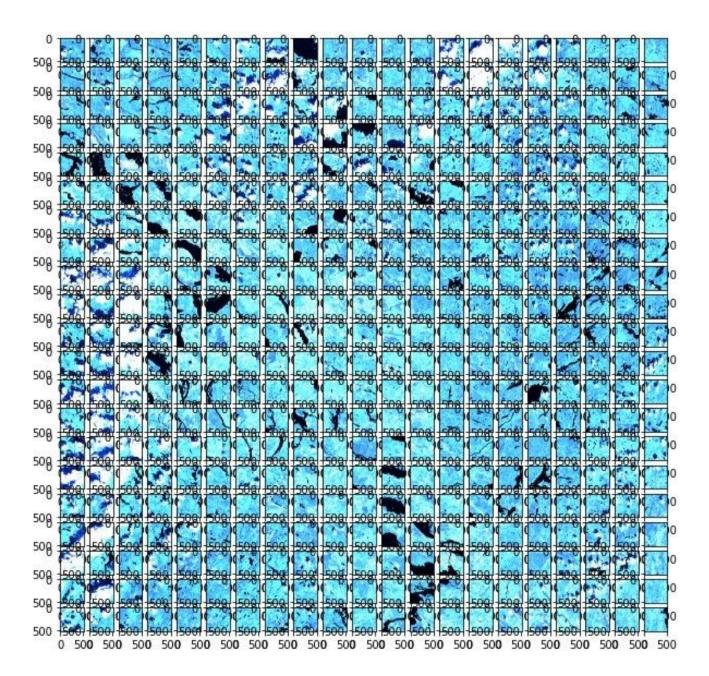


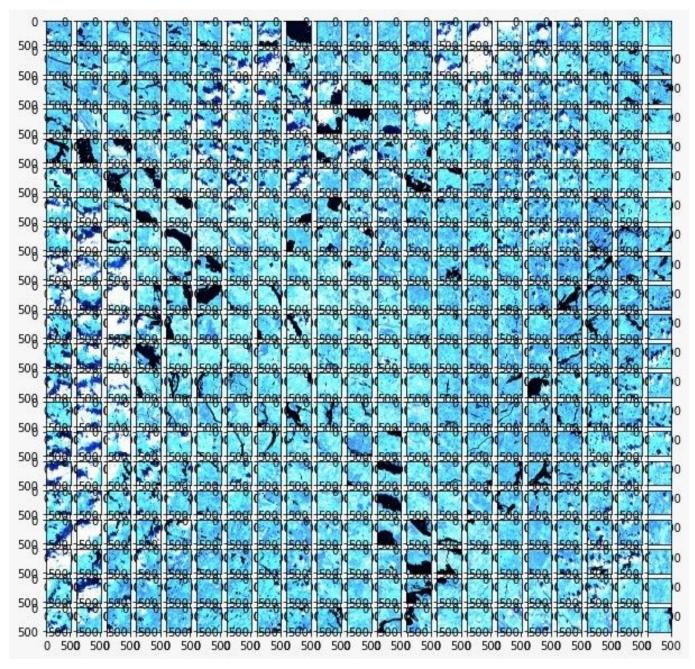
<matplotlib.image.AxesImage at 0x7f571ba6ff10>



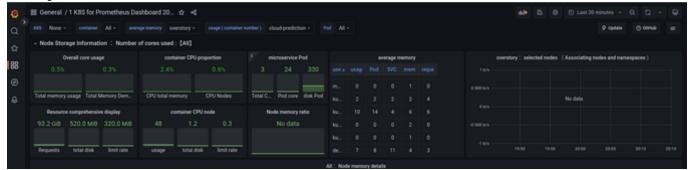
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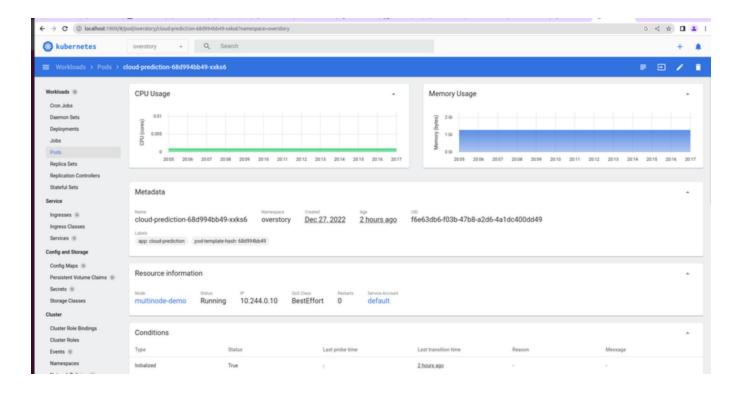






Monitoring Screenshots:





Part-1 Architecture of GKE cluster setup

