



**ROI TRAINING**  
MAXIMIZE YOUR TRAINING INVESTMENT™

# Cheat Sheet: Kubernetes Deployment

# K8s YAMLS

- In Cloud Shell, run the following commands to download a zip file:  
`mkdir ~/events-app/kube`  
`cd ~/events-app/kube`  
`wget https://storage.googleapis.com/roi-materials/events-app-yaml.zip`
- Type the following to unzip: `unzip events-app-yaml.zip`
- View the files in the **kube** folder
  - You should see four yaml files
  - Investigate the four yaml files and answer the questions on the next slide

# K8s YAMLs (continued)

- What is the name of the external service load balancer?
- What port number does the external service operate on?
- What is the name of the internal service cluster IP?
- What port number does the internal service operate on?

# K8s YAMLs (continued)

- You will need to edit and change the image URLs in both deployment yaml files to match your images in Docker Hub
  - Verify the entire URL is correct – **including the version**
- Apply all four yamls with the following commands:  
`kubectl apply -f externalservice.yaml`  
`kubectl apply -f externaldeployment.yaml`  
`kubectl apply -f internaldeployment.yaml`  
`kubectl apply -f internalservice.yaml`

# K8s YAMLs (continued)

- List all running pods with:  
`kubectl get pods`
- Get load balancer external IP with:  
`kubectl get svc`
- Test your services by loading the external IP of the load balancer service in a browser
  - You no longer use the Preview button

# Success!

- **Congratulations!** You have successfully deployed the case study to Kubernetes