Kubernetes Documentation 2

1. Create deployments named web2 and app2 in web and app namespaces respectively. Allow ingress traffic to app2 from web2 and deny traffic other namespaces and pods. Use nginx image for both the deployments.

Graphical user interface, application

Description automatically generated

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

1. Create HPA for the deployment “nginxnew” with memory and cpu limit of 80%. Min size=2, Max size=7. Pod should scale when cpu utilization or memory consumption is more than 80%

Graphical user interface, text, website

Description automatically generated

Graphical user interface, text, application

Description automatically generated

1. Deploy metrics-server and provide the screenshot of node and pod resource usage

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated