**Kubernetes Tasks**

**Task 1:**

The Nautilus DevOps team is diving into Kubernetes for application management. One team member has a task to create a pod according to the details below:

1. Create a pod named pod-nginx using the nginx image with the latest tag. Ensure to specify the tag as nginx:latest.
2. Set the app label to nginx\_app, and name the container as nginx-container.

Note: The kubectl utility on jump\_host is configured to operate with the Kubernetes cluster.

**Task 2:**

The Nautilus DevOps team is delving into Kubernetes for app management. One team member needs to create a deployment following these details:

Create a deployment named nginx to deploy the application nginx using the image nginx:latest (ensure to specify the tag)

Note: The kubectl utility on jump\_host is set up to interact with the Kubernetes cluster.

**Task 3:**

The Nautilus DevOps team is planning to deploy some micro services on Kubernetes platform. The team has already set up a Kubernetes cluster and now they want to set up some namespaces, deployments etc. Based on the current requirements, the team has shared some details as below:

Create a namespace named dev and deploy a POD within it. Name the pod dev-nginx-pod and use the nginx image with the latest tag. Ensure to specify the tag as nginx:latest.

Note: The kubectl utility on jump\_host is configured to operate with the Kubernetes cluster.