Assignment:

1. Add LivenessProbe and Readiness Probe, Add ConfigMap and Read Ref of configmap Key to Deployment, add rollingUpdate Strategy   
   and Deploy dotnet docker and observe the deployments
2. Execute pod restart too
3. Setup HorizontalPodAutoScalar based on cpu metrics and deploy
4. apiVersion: apps/v1
5. kind: Deployment
6. metadata:
7. name: dottnetimage
8. spec:
9. strategy:
10. type: RollingUpdate
11. rollingUpdate:
12. maxSurge: 1
13. maxUnavailable: 0
14. replicas: 2
15. selector:
16. matchLabels:
17. app: dottnetimage
18. template:
19. metadata:
20. labels:
21. app: dottnetimage
22. spec:
23. containers:
24. - name: dottnetimage
25. image: sammy.azurecr.io/dottnetimage:1.0.0
26. ports:
27. - containerPort: 80
28. resources:
29. requests:
30. cpu: "100m"
31. limits:
32. cpu: "300m"
33. livenessProbe:
34. httpGet:
35. path: /healthz
36. port: 80
37. initialDelaySeconds: 5
38. periodSeconds: 5
39. readinessProbe:
40. httpGet:
41. path: /readiness
42. port: 80
43. initialDelaySeconds: 5
44. periodSeconds: 10
45. env:
46. - name: CONFIG\_KEY
47. valueFrom:
48. configMapKeyRef:
49. name: dottnetimage-configmap
50. key: ENV\_VARIABLE\_1

apiVersion: v1

kind: ConfigMap

metadata:

  name: dottnetimage-configmap

  namespace: sri

data:

  ENV\_VARIABLE\_1: value1

  ENV\_VARIABLE\_2: value2





















