**6. EKS Fargate - Create Profiles using YAML**

--- **Reference** - <https://github.com/stacksimplify/aws-eks-kubernetes-masterclass/tree/master/09-EKS-Workloads-on-Fargate/09-02-Fargate-Profiles-Advanced-YAML>

**Create Advanced Fargate Profile with yml**

--- Create Fargate Profile manifest.

apiVersion: eksctl.io/v1alpha5

kind: ClusterConfig

metadata:

  name: eksdemo1 # Name of the EKS Cluster, we deploying this fargate profiles on this cluster.

  region: us-east-1

fargateProfiles:

  - name: fp-app2

    selectors:

      # All workloads in the "ns-app2" Kubernetes namespace will be

      # scheduled onto Fargate:

      - namespace: ns-app2 # ns-app2 profile will be schedule to fp-app2 fargate profile.

  - name: fp-ums

    selectors:

      # All workloads in the "ns-ums" Kubernetes namespace matching the following

      # label selectors will be scheduled onto Fargate:

      - namespace: ns-ums

        labels:

          runon: fargate

# ns-ums, fargate these 2 labels should match, in order to run workload in fp-ums fargate profiles.

**Create Fargate Profiles using YAML files**

**# Create Fargate Profiles using YAML file**

--- **eksctl create fargateprofile -f kube-manifests/01-Fargate-Advanced-Profiles/01-fargate-profiles.yml**

**Get list of Fargate profiles**

**# List Fargate profiles**

--- **eksctl get fargateprofile --cluster eksdemo1**

**# View in yaml format**

--- **eksctl get fargateprofile --cluster eksdemo1 -o yaml**

**Review App1, App2 and UMS Manifests**

--- Review Namespaces

ns-app1

ns-app2

ns-ums

ns-app1

--- Discuss about label present in ns-ums namespace

      - namespace: ns-ums

        labels:

          runon: fargate

--- Discuss about target-type

    # For Fargate

    alb.ingress.kubernetes.io/target-type: ip