1. Prepare terraform module which will deploy infrastructure based on incoming deploy list(object) variable:

* if deploy\_type = EC2, it should create an EC2 instance.
* if deploy\_type = ASG, it should create ASG with ALB

Define default values where possible.

|  |
| --- |
| apps = [  {  name = "app\_name"  deploy\_type = EC2 / ASG  subnets = []  security\_groups = []  ami =  instance\_type =  volume\_size =  user\_data =  iam\_role =  asg = {  min = x  max = X  desired = x  }  sg\_rules = [  {  type  protocol  from\_port  to\_port  cidr\_blocks  description  }  ]  alb = {  deploy = true / false  subnets  sg  listen\_port  dest\_port  host  path  }  },  {  name =  ......  },  { ... }  ] |

2. Write Kubernetes manifest to deploy a service (aws-cli) which reads secrets from AWS Secrets Manager. The AWS account and secret name are provided, and the EKS cluster is already deployed.

## Details

AWS Account ID: 123456789012

AWS Region: us-east-2

Secret Name: my-secret

Namespace: default

Service Account Name: aws-cli-sa

Deployment Name: aws-cli-deployment

Pod Name: aws-cli-pod

Container Image: amazon/aws-cli:latest