K8OR

AWS Controllers for Kubernetes

The idea behind AWS Controllers for Kubernetes (ACK) is to enable Kubernetes users to describe the desired state of AWS resources using the Kubernetes API and configuration language. In order to make this happen, let's take a look under the covers and walk through how different components in the system interact.

```
dynamodb-table.yaml:

    apiVersion: dynamodb.services.k8s.aws/v1
    kind: Table
    metadata:
      name: register-plan-table
    spec:
      AttributeDefinitions:
        - AttributeName: "id"
          AttributeType: "S"
      KeySchema:
        - AttributeName: "id"
          KeyType: "HASH"
```

1.k apply -f dynamodb-table.yaml

2.Create a CR

Controller node

kube-apiserver

Worker node

ack-dynamodb-controller

Kira

4.Respond to Kira

5.Notify the controller

7.Update the CR's status

3.Write the CR to the data store

etcd

6.Call the DynamoDB API

AWS