Installing the Emissary-ingress API Gateway

Now that we have the Helm tool in our box, let's go ahead and install the Emissary-ingress API gateway into our Kubernetes cluster.

Demo Prep

- Remove all helm repos

In Play.Infra repo

1. Update README:

````
## Installing Emissary-ingress
```powershell
helm repo add datawire https://app.getambassador.io
helm repo update

kubectl apply -f https://app.getambassador.io/yaml/emissary/2.1.0/emissary-crds.yaml
kubectl wait --timeout=90s --for=condition=available deployment emissary-apiext -n emissary-system

$namespace=”emissary”
helm install emissary-ingress datawire/emissary-ingress --set
service.annotations."service\.beta\.kubernetes\.io/azure-dns-label-name"=$appname -n $namespace --
create-namespace
kubectl rollout status  deployment/emissary-ingress -n $namespace -w
```
````

2. Run the command

3. Get the emissary ingress pods:

```
kubectl get pods -n $namespace
```

4. Get the ingress ip address:

```
kubectl get service emissary-ingress -n $namespace
```

In the Azure portal

5. Find the **MC_playeconomy_playeconomy_eastus** resource group

6. Find the public IP that matches the one for the ingress service

7. Explain the future use of the DNS name in this public IP

8. Commit and push

In the next lesson you will configure the required components to route requests from the API Gateway to your Identity microservice.