Deploying Jaeger to Kubernetes

Start

Let's now see how to get Jaeger deployed into our AKS cluster.

In Infra repo

1. Add a jaeger directory

2. Add a values.yaml file to the new dir with:

```
allInOne:
  enabled: true
  extraEnv:
    - name: QUERY_BASE_PATH
      value: /jaeger
  ingress:
    enabled: false
provisionDataStore:
  cassandra: false
storage:
  type: none
agent:
  enabled: false
collector:
  enabled: false
query:
  enabled: false
```

More details at https://github.com/jaegertracing/helm-charts/tree/main/charts/jaeger#all-in-one-in-memory-configuration

3. Add instructions to README on how to deploy Jaeger:
Deploy Jaeger
```powershell
helm repo add jaegertracing https://jaegertracing.github.io/helm-charts
helm repo update

helm upgrade jaeger jaegertracing/jaeger --values .\jaeger\values.yaml -n observability --install --create-namespace
```

4. Run the commands to deploy Jaeger

5. Update emissary-ingress\mappings.yaml with a mapping for Jaeger:

    ```
    ---
    apiVersion: getambassador.io/v3alpha1
    kind: Mapping
    metadata:
      name: jaeger-mapping
    spec:
      hostname: playeconomy.eastus.cloudapp.azure.com
      prefix: /jaeger/
      rewrite: ""
      service: jaeger-query.observability:16686
    ```

6. Deploy the mappings:

```
$namespace="emissary"
kubectl apply -f .\emissary-ingress\mappings.yaml -n $namespace
```

7. Browse to Jaeger in the cloud at:
    https://playeconomy.eastus.cloudapp.azure.com/jaeger/

8. Commit and push

In the next lesson you will modify your microservice chart to enable Jaeger.