Creating a Helm chart (Part 3)

Start

Let's complete our migration from vanilla yaml files into a helm chart by extracting values from our services and certificate yaml files.

In Identity repo

1. Move service.yaml values into values.yaml:

values.yaml
****

```
service:
  type: ClusterIP
  port: 80
```

service.yaml
****

```
apiVersion: v1
kind: Service
metadata:
  name: "{{ .Values.microserviceName }}-service"
spec:
  type: {{ .Values.service.type }}
  selector:
    app: {{ .Values.microserviceName }}
  ports:
    - port: {{ .Values.service.port }}
      targetPort: {{ .Values.container.port }}
```

2. Move certificate.yaml values into values.yaml:

values.yaml
****

```
certificate:
  secretName: signing-cert
  hostname: playeconomy.eastus.cloudapp.azure.com
```

certificate.yaml
****

```
{{- if .Values.certificate }}
apiVersion: cert-manager.io/v1
kind: Certificate
metadata:
```

```
  name: "{{ .Values.microserviceName }}-cert"
spec:
  secretName: {{ .Values.certificate.secretName }}
  issuerRef:
    name: letsencrypt-prod
    kind: ClusterIssuer
  dnsNames:
    - {{ .Values.certificate.hostname }}
{{- end }}
```

3. Add **Chart.yaml** file to the helm dir:

```
apiVersion: v2
name: microservice
description: Installs a PlayEconomy microservice
version: 0.1.0
```

In the next lesson you will use your new Helm chart to deploy the Identity microservice into Kubernetes.