

## Creating a Helm chart (Part 2)

### Start

In the previous lesson we had extracted a few values from deployment.yaml and into values.yaml. Now we need to do the same with this long list of environment variables.

### In Identity repo

1. Move deployment.yaml values into values.yaml:

#### **values.yaml**

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microserviceName: "identity"

image:

repository: playeconomy.azurecr.io/play.identity

tag: "1.0.10"

envVariables:

ServiceSettings\_\_MessageBroker: SERVICEBUS

ServiceSettings\_\_KeyVaultName: playeconomy

IdentitySettings\_\_PathBase: /identity-svc

IdentitySettings\_\_CertificateCerFilePath: "/certificates/certificate.crt"

IdentitySettings\_\_CertificateKeyFilePath: "/certificates/certificate.key"

IdentityServerSettings\_\_Clients\_\_0\_\_RedirectUris\_\_0:

https://playeconomy.eastus.cloudapp.azure.com/authentication/login-callback

IdentityServerSettings\_\_Clients\_\_0\_\_PostLogoutRedirectUris\_\_0:

https://playeconomy.eastus.cloudapp.azure.com/authentication/logout-callback

resources:

limits:

memory: "128Mi"

cpu: "150m"

container:

port: 5002

liveness:

path: /health/live

initialDelaySeconds: 10

readiness:

path: /health/ready

initialDelaySeconds: 10

volumeMounts:

- name: certificate-volume

mountPath: /certificates

volumes:

- name: certificate-volume

secret:

secretName: signing-cert

items:

- key: tls.key

path: certificate.key

- key: tls.crt

path: certificate.crt

## deployment.yaml

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apiVersion: apps/v1

kind: Deployment

metadata:

name: "{{ .Values.microserviceName }}-deployment"

spec:

selector:

matchLabels:

app: {{ .Values.microserviceName }}

template:

metadata:

labels:

app: {{ .Values.microserviceName }}

aadpodidbinding: {{ .Values.microserviceName }}

spec:

containers:

- name: {{ .Values.microserviceName }}

image: "{{ .Values.image.repository }}:{{ .Values.image.tag }}"

env:

{{- range \$key, \$value := .Values.envVariables }}

- name: {{ \$key }}

value: {{ \$value }}

{{- end }}

resources:

{{- toYaml .Values.resources | nindent 12 }}

ports:

- containerPort: {{ .Values.container.port }}

livenessProbe:

httpGet:

path: {{ .Values.container.liveness.path }}

port: {{ .Values.container.port }}

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    initialDelaySeconds: {{ .Values.container.liveness.initialDelaySeconds }}
readinessProbe:
  httpGet:
    path: {{ .Values.container.readiness.path }}
    port: {{ .Values.container.port }}
    initialDelaySeconds: {{ .Values.container.readiness.initialDelaySeconds }}
  {{- if .Values.container.volumeMounts }}
volumeMounts:
  {{- toYaml .Values.container.volumeMounts | nindent 12 }}
  {{- end }}
  {{- if .Values.volumes }}
volumes:
  {{- toYaml .Values.volumes | nindent 8 }}
  {{- end }}
```

In the next lesson...