**38. Helpers File**

--- we will talk about one more file in the Templates folder, which is the .tpl file Dot tpl stands for template. It uses the underscore at the beginning so that it'll always come up top, when we sort the files in **templates** directory.

--- all the other yaml files in this folder are used to generate Kubernetes manifest, which will eventually be used to create Kubernetes resources.

--- .tpl will not generate any Kubernetes manifest. It will simply have some methods that will be used in all these files here.

--- So, any template methods we want to reuse across these templates can be put into this .tpl file. Open it in your text editor and you will see a bunch of functions defined.

--- cat \_helpers.tpl

{{/\*

Expand the name of the chart.

\*/}}

{{- define "firstchart.name" -}}

{{- default .Chart.Name .Values.nameOverride | trunc 63 | trimSuffix "-" }}

{{- end }}

{{/\*

Create a default fully qualified app name.

We truncate at 63 chars because some Kubernetes name fields are limited to this (by the DNS naming spec).

If release name contains chart name it will be used as a full name.

\*/}}

{{- define "firstchart.fullname" -}}

{{- if .Values.fullnameOverride }}

{{- .Values.fullnameOverride | trunc 63 | trimSuffix "-" }}

{{- else }}

{{- $name := default .Chart.Name .Values.nameOverride }}

{{- if contains $name .Release.Name }}

{{- .Release.Name | trunc 63 | trimSuffix "-" }}

{{- else }}

{{- printf "%s-%s" .Release.Name $name | trunc 63 | trimSuffix "-" }}

{{- end }}

{{- end }}

{{- end }}

{{/\*

Create chart name and version as used by the chart label.

\*/}}

{{- define "firstchart.chart" -}}

{{- printf "%s-%s" .Chart.Name .Chart.Version | replace "+" "\_" | trunc 63 | trimSuffix "-" }}

{{- end }}

{{/\*

Common labels

\*/}}

{{- define "firstchart.labels" -}}

helm.sh/chart: {{ include "firstchart.chart" . }}

{{ include "firstchart.selectorLabels" . }}

{{- if .Chart.AppVersion }}

app.kubernetes.io/version: {{ .Chart.AppVersion | quote }}

{{- end }}

app.kubernetes.io/managed-by: {{ .Release.Service }}

{{- end }}

{{/\*

Selector labels

\*/}}

{{- define "firstchart.selectorLabels" -}}

app.kubernetes.io/name: {{ include "firstchart.name" . }}

app.kubernetes.io/instance: {{ .Release.Name }}

{{- end }}

{{/\*

Create the name of the service account to use

\*/}}

{{- define "firstchart.serviceAccountName" -}}

{{- if .Values.serviceAccount.create }}

{{- default (include "firstchart.fullname" .) .Values.serviceAccount.name }}

{{- else }}

{{- default "default" .Values.serviceAccount.name }}

{{- end }}

{{- end }}