- Create a Docker volume:

```
docker volume create my-chartmuseum-storage
```

- Run the container using the following command:

```
docker run -d --name my-helm-repo -p 8080:8080 -v my-chartmuseum-
storage:/bitnami -e ALLOW_OVERWRITE=true -e AUTH_ENABLE=true -e
BASIC_AUTH_USER=chartuser -e BASIC_AUTH_PASS=mypass
bitnami/chartmuseum:latest
```

- Create a new Helm chart (make sure you are in the user's home):

```
helm create busybox
```

- Edit the deployment so that it does not contain the container ports and also add the container command line arguments:

```
      containers:
        - name: {{ .Chart.Name }}
          securityContext:
            {{- toYaml .Values.securityContext | nindent 12 }}
          image: "{{ .Values.image.repository }}:{{
.Values.image.tag | default .Chart.AppVersion }}"
          imagePullPolicy: {{ .Values.image.pullPolicy }}
          command:
            - sleep
            - infinity
          resources:
            {{- toYaml .Values.resources | nindent 12 }}
```

- Modify the `values.yaml` file to be as follows:

```
image:
  repository: busybox
  pullPolicy: IfNotPresent
  # Overrides the image tag whose default is the chart appVersion.
  tag: "latest"
```

- Package the chart:

```
helm package .
```

- Push the chart to the repository:

```
curl -u chartuser --data-binary "@busybox-0.1.0.tgz"
localhost:8080/api/charts
```

- The password is `mypass`.
- Add the repository to the machine:

```
helm repo add my-helm-repo --username chartuser
http://localhost:8080
```

- Search for the chart and make sure that it is available:

```
helm search repo busybox
```