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**Manifest file**

In Kubernetes, a manifest file is used to describe the desired state of the resources that make up your application or service. This file typically contains YAML or JSON formatted definitions for Kubernetes objects such as pods, deployments, services, and more.

example Kubernetes manifest file that includes some common components

apiVersion: apps/v1

kind: Deployment

metadata:

name: nginx-deployment

labels:

app: nginx

spec:

replicas: 3

selector:

matchLabels:

app: nginx

template:

metadata:

labels:

app: nginx

spec:

containers:

- name: nginx

image: nginx:latest

ports:

- containerPort: 80