

# CKA/CKAD : Complete Certification Guide

Commands and Arguments in K8s



# DockerFile

```
FROM debian:bullseye-slim

LABEL maintainer="NGINX Docker Maintainers <docker-maint@nginx.com>"

ENV NGINX_VERSION 1.20.2
ENV NJS_VERSION 0.7.0
-----

ENTRYPOINT ["/docker-entrypoint.sh"]
EXPOSE 80
CMD ["nginx", "-g", "daemon off;"]
```

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- **ENTRYPOINT** : Default parameters that cannot be overridden when Docker Containers run with CLI parameters.
- **CMD** : Sets default parameters that can be overridden from the Docker Command Line Interface (CLI) when a container is running.
  - Ideally, there should be a single CMD command within a Dockerfile.
  - For instances where there are multiple CMD commands in a Dockerfile, all except the last one are ignored for an execution.
- **Exec form**: **CMD** ["executable", "parameter1", "parameter2"]
- **Shell form**: **CMD** command parameter1 parameter2

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- In K8s, CMD and ENTRYPOINT can be override with Argument and Command Filed.

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Description	Docker field name	Kubernetes field name
-----		
The command run by the container	Entrypoint	command
The arguments passed to the command	Cmd	args
-----		

# Update CMD K8s

```
FROM scratch
ADD busybox.tar.xz /
CMD ["sh"]
```

```
apiVersion: v1
kind: Pod
metadata:
  name: busybox-updated
  namespace: default
spec:
  containers:
    - name: busybox
      image: busybox-updated
      command:
        - sleep
        - "3600"
      restartPolicy: Always
```

# Thank You...

Don't be the Same! Be Better!!!

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