

Section 3. „Dockerfile Commands – ENTRYPOINT and CMD”

Links:

<https://github.com/pythonincontainers/entrypoint-cmd>

Commands:

Dockerfile.simple:

```
FROM python
```

```
ENTRYPOINT ["python"]
```

```
CMD ["-version"]
```

```
$ docker build -t simple -f Dockerfile.simple .
```

```
$ docker inspect simple
```

```
$ docker run --rm simple
```

```
$ docker inspect python
```

```
$ git clone https://github.com/pythonincontainers/entrypoint-cmd
```

```
$ cd entrypoint-cmd
```

```
$ docker build -t entry -f Dockerfile.entry .
```

```
$ docker run --rm entry
```

```
$ docker build -t parent -f Dockerfile.parent .
```

```
$ docker build -t child -f Dockerfile.child
```

```
$ docker inspect -f "ENTRYPOINT={{.Config.Entrypoint}} CMD={{  
{.Config.Cmd}}}" child
```

```
$ docker run --rm child
```

```
$ docker run --rm child five six seven
```

```
$ docker run --rm --entrypoint python3 child args.py hello world
```

```
$ docker run -it --rm --entrypoint="" child /bin/sh
```

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```
$ docker build -t shell -f Dockerfile.shell .

$ docker inspect -f "ENTRYPOINT={{.Config.Entrypoint}} CMD={{.Config.Cmd}}" shell

$ docker run --rm shell

$ docker run --rm shell

$ docker run --rm shell four five

$ docker build -t signals -f Dockerfile.signals .

$ docker run -it --rm --name signals signals

$ docker stop signals

$ docker kill -s SIGHUP signals

$ docker kill -s SIGINT signals

$ docker kill -s SIGUSR1 signals

$ docker kill signals

$ docker kill -s SIGUSR1 signals

$ docker stop signals
```