

3. dependency & logging

- 참고 문서 : <https://github.com/openfaas/workshop>

Dependency 추가하기

- 함수 생성하기

```
$ faas-cli new --lang python3 astronaut-finder --prefix="127.0.0.1:5000"
```

- dependency 추가

```
# astronaut-finder/requirements.txt

requests
```

- 함수 작성하기

```
# astronaut-finder/handler.py

import requests
import random

def handle(req):
    r = requests.get("http://api.open-notify.org/astros.json")
    result = r.json()
    index = random.randint(0, len(result["people"])-1)
    name = result["people"][index]["name"]

    return "%s is in space" % (name)
```

- yml파일 포트 수정 : 9888
- 빌드하기

```
$ faas-cli build -f ./astronaut-finder.yml
```

- registry push

```
$ faas-cli push -f ./astronaut-finder.yml
```

- deploy

```
$ faas-cli deploy -f ./astronaut-finder.yml
```

- 배포 확인하기

```
$ minikube kubectl -- get pods -n openfaas-fn
```

- 사용해보기

```
$ echo | faas-cli invoke astronaut-finder --gateway http://127.0.0.1:9888
```

log 확인하기

- 쿠버네티스 로그 확인

```
$ minikube kubectl -- logs deployment/astronaut-finder -n openfaas-fn
```

- debugging할 수 있도록 YAML파일 수정

```
# astronaut-finder.yml

provider:
  name: openfaas
  gateway: http://127.0.0.1:9888

functions:
  astronaut-finder:
    lang: python3
    handler: ./astronaut-finder
```

```
image: astronaut-finder
environment:
  write_debug: true
```

- 다시 배포

```
$ faas-cli deploy -f ./astronaut-finder.yml
```

- 확인 및 테스트

```
$ minikube kubectl -- get pods -n openfaas-fn
$ echo | faas-cli invoke astronaut-finder --gateway http://127.0.0.1:9888
```

- 다시 로그 확인해보기

```
$ minikube kubectl -- logs deployment/astronaut-finder -n openfaas-fn
```