## **COEN 241: HW - 2**

## 1. Screenshot of invoking the figlet function



Faas-cli store deploy figlet command is run to deploy figlet function.

This gives us the output:

Deployed. 200 OK.

URL: http://127.0.0.1:8080/function/figlet

Faas-cli store inspect figlet command gives us the output:

Info for: Figlet
Name figlet

Description Generate ASCII logos with the figlet CLI

Image ghcr.io/openfaas/figlet:latest

Process figlet

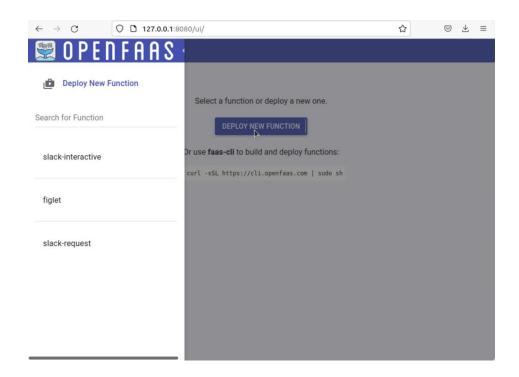
Repo URL <a href="https://github.com/openfaas/store-functions">https://github.com/openfaas/store-functions</a>

Then figlet invoke is run using echo to print string as above.

## 2. sudo journalctl -u faasd --lines 40

This command is used to print logs for checking if faasd runs successfully.

Screenshot of your OpenFaaS gateway AFTER deploying figlet, slack-handler and slack-interactive functions



This output includes figlet, slack-interactive and slack-request which confirms that they are deployed.

- 4. Screenshot of invoking slack-request and slack-interactive functions
  - a. \$faas-cli invoke slack-request

```
ubuntu@ubuntu:~/functions$ echo "Running" | sudo faas-cli invoke slack-request {"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "Amazi ng Level"}], "author_icon": "", "image_url": "https://github.com/benitarego.png", "author_name": "Benita R ego", "title": "The Awesome world of Cloud Computing! COEN 241"}, {"text": "COEN 241 is my favourite class and I enjoy it!.", "title": "About COEN 241"}, {"title": "Would you recommend COEN 241 to your friends?", "color": "#3AA3E3", "actions": [{"text": "Of Course!", "type": "button", "name": "recommend", "value": "recommend"}, {"text": "Most Definitely!", "type": "button", "name": "definitely", "value": "definitely"}], "callback_id": "response123", "fallback": "Would you recommend COEN 241 to your friends?", "attachment_type": "default"}]}
```

b. \$curl -d '{"Hello": "COEN 241"}' http://127.1.0.1:8080/function/slack-request

```
buntu@ubuntu:~/functions$8080/function/slack-request N 241

"}' http://127.1.0.1: 241"}' http://127.1.0.1

{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "Amazing Level"}], "author_icon": "", "
image_url": "https://github.com/benitarego.png", "author_name": "Benita Rego", "title": "The Awesome world of Cloud Computing! COEN 241"},

{"text": "COEN 241 is my favourite class and I enjoy itl.", "title": "About COEN 241"}, {"title": "Would you recommend COEN 241 to your fri
ends?", "color": "#3AA3E3", "actions": [{"text": "Of Course!", "type": "button", "name": "recommend", "value": "recommend", "text": "Most
Definitely!", "type": "button", "name": "definitely", "value": "definitely"}], "callback_id": "response123", "fallback": "Would you recomm
end COEN 241 to your friends?", "attachment_type": "default"}]}
```

sfaas-cli invoke slack-interactive

```
[ubuntu@ubuntu:~/functions$ faas-cli invoke slack-interactive
Reading from STDIN - hit (Control + D) to stop.

Reading from STDIN - hit (Control + D) to stop.

("attachments": ["ffooter": "Slack Apps built on OpenFaas", "author_link": "https://github.com/benitarego/COEN-241-CC.git", "color": "#36a6

4f", "text": "Head over to COEN 241", "title": "COEN 241", "ts": 123456789, "author_name": "", "title_link": "https://www.scu.edu/engineeri
ng/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "image_url": "https://www.scu.edu/engineeri
ng/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "image_url": "https://www.scu.edu/engineeri
ng/academic-programs/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "author_icon": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "author_icon": "https://github.com/benitarego.png"}]}
```

d. \$curl -d '{"Hello":"COEN 241"}' http://127.0.0.1:8080/function/slack-interactive

```
[8080/function/slack-interactive curl -d '{"Hello":"COEN 241"}' http://127.0.0.1:
{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author_link": "https://github.com/benitarego/COEN-241-CC.git", "color": "#36a6
4f", "text": "Head over to COEN 241", "title": "COEN 241", "ts": 123456789, "author_name": "", "title_link": "https://www.scu.edu/engineeri
ng/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "image_url": "https://www.scu.edu/media/offices/umc
scu-brand-guidelines/visual-identity-amp-photography/visual-identity-toolkit/logos-amp-seals/Mission-Dont3.png", "response_type": "ephemer
al", "replace_original": true, "footer_icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.png", "pretext": "
Yes! That's an amazing choice, COEN 241 is amazing!", "fallback": "Required plain-text summary of the attachment.", "thumb_url": "https://w
ww.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "author_icon": "https://github.
com/benitarego.png"}]}
```

Here, we use both curl and the faas-cli to call the slack-request and slack-interactive methods to obtain the results seen above.