

COEN 241 Homework 2 Screenshots

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1. Invoking the Figlet Function

```
preeti@preeti-Inspiron-15-3511:~/faasd$ faas-cli store deploy figlet
Deployed. 200 OK.
URL: http://127.0.0.1:8080/function/figlet

preeti@preeti-Inspiron-15-3511:~/faasd$ faas-cli store inspect figlet
Info for: Figlet

Name          figlet
Description    Generate ASCII logos with the figlet CLI
Image          ghcr.io/openfaas/figlet:latest
Process        figlet
Repo URL       https://github.com/openfaas/store-functions

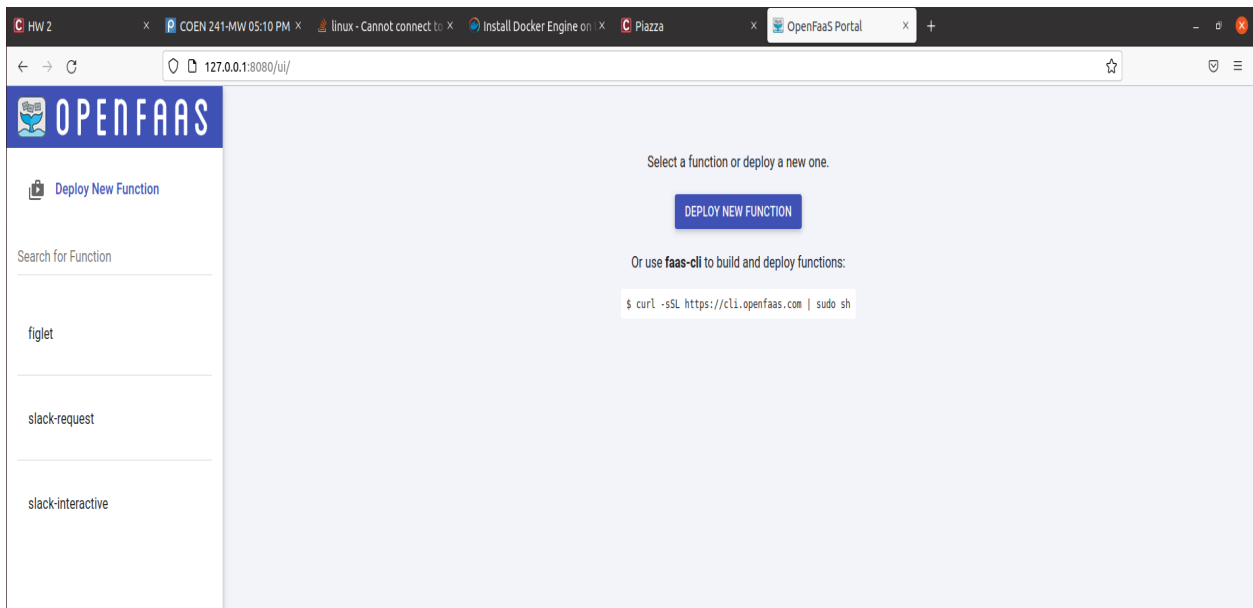
preeti@preeti-Inspiron-15-3511:~/faasd$ echo "Hello, FaaS, world" | faas-cli invoke figlet
Hello, FaaS, world
preeti@preeti-Inspiron-15-3511:~/faasd$
```

2. Running sudo journalctl -u faasd --lines 40 command

```
Logs begin at Thu 2022-04-07 15:54:00 PDT, end at Sun 2022-05-08 21:36:26 PDT. --
May 08 18:33:55 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:55 - prometheus
May 08 18:33:55 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:55 - gateway
May 08 18:33:55 preeti-Inspiron-15-3511 faasd[764]: Starting: nats
May 08 18:33:55 preeti-Inspiron-15-3511 faasd[764]: Creating local directory: /var/lib/faasd/nats
May 08 18:33:55 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:55 Running nats with user: "65534"
May 08 18:33:55 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:55 Created container: nats
May 08 18:33:55 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:55 nats has IP: 10.62.0.2
May 08 18:33:55 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:55 Task: nats Container: nats
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: Starting: queue-worker
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Created container: queue-worker
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 queue-worker has IP: 10.62.0.3
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Task: queue-worker Container: queue-worker
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: Starting: basic-auth-plugin
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Created container: basic-auth-plugin
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 basic-auth-plugin has IP: 10.62.0.4
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Task: basic-auth-plugin Container: basic-auth-plugin
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: Starting: prometheus
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: Creating local directory: /var/lib/faasd/prometheus
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Running prometheus with user: "65534"
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Created container: prometheus
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 prometheus has IP: 10.62.0.5
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Task: prometheus Container: prometheus
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: Starting: gateway
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Created container: gateway
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 gateway has IP: 10.62.0.6
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Task: gateway Container: gateway
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Supervisor init done in: 1 second
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Looking up IP for: "gateway"
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Looking up IP for: "prometheus"
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Resolver rebuilding map
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Resolver: "localhost"=127.0.0.1"
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Resolver: "faasd-provider"=10.62.0.1"
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Resolver: "nats"=10.62.0.2"
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Resolver: "queue-worker"=10.62.0.3"
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Resolver: "basic-auth-plugin"=10.62.0.4"
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Resolver: "prometheus"=10.62.0.5"
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Resolver: "gateway"=10.62.0.6"
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 faasd: waiting for SIGTERM or SIGHUP
May 08 18:33:56 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:56 Proxy from: 127.0.0.1:9090, to: prometheus:9090 (10.62.0.5)
May 08 18:33:57 preeti-Inspiron-15-3511 faasd[764]: 2022/05/08 18:33:57 Proxy from: 0.0.0.0:8080, to: gateway:8080 (10.62.0.6)
```

lines 1-41/41 (END)

3. OpenFaaS Gateway screenshot AFTER deploying Figlet, slack-handler and slack- interactive functions



4. Invoking slack-request function via curl and faas-cli

```
preeti@preeti-Inspiron-15-3511:~/functions$ faas-cli invoke slack-request
Reading from STDIN - hit (Control + D) to stop.
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "Amazing Level"}], "author_icon": "", "image_url": "https://github.com/PreetiKakuru.png", "author_name": "Preeti Kakuru", "title": "The Awesome world of Cloud Computing! COEN 241"}, {"text": "COEN 241 is the most awesome class ever!.", "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"}]}
preeti@preeti-Inspiron-15-3511:~/functions$ curl -d '{"Hello":"COEN 241"}' http://127.1.0.1:8080/function/slack-request
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "Amazing Level"}], "author_icon": "", "image_url": "https://github.com/PreetiKakuru.png", "author_name": "Preeti Kakuru", "title": "The Awesome world of Cloud Computing! COEN 241"}, {"text": "COEN 241 is the most awesome class ever!.", "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"}]}
preeti@preeti-Inspiron-15-3511:~/functions$
```

5. Invoking slack-interactive using curl and faas-cli

```
preeti@preeti-Inspiron-15-3511:~/functions$ faas-cli invoke slack-interactive
Reading from STDIN - hit (Control + D) to stop.
{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author_link": "https://github.com/PreetiKakuru/COEN-241", "color": "#36a64f", "text": "Head over to COEN 241", "title": "COEN 241", "ts": 123456789, "author_name": "", "title_link": "https://www.scu.edu/engineering/academic-programs/departments-of-computer-engineering/graduate/course-descriptions/", "image_url": "https://www.scu.edu/media/offices/umc/scu-brand-guidelines/visual-identity-and-photography/visual-identity-toolkit/logos-and-seals/Mission-Dont3.png", "response_type": "ephemeral", "replace_original": true, "footer_icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.png", "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!", "fallback": "Required plain-text summary of the attachment.", "thumb_url": "https://www.scu.edu/engineering/academic-programs/departments-of-computer-engineering/graduate/course-descriptions/", "author_icon": "https://github.com/PreetiKakuru.png"}]}
preeti@preeti-Inspiron-15-3511:~/functions$ curl -d '{"Hello":"COEN 241"}' http://127.1.0.1:8080/function/slack-interactive
{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author_link": "https://github.com/PreetiKakuru/COEN-241", "color": "#36a64f", "text": "Head over to COEN 241", "title": "COEN 241", "ts": 123456789, "author_name": "", "title_link": "https://www.scu.edu/engineering/academic-programs/departments-of-computer-engineering/graduate/course-descriptions/", "image_url": "https://www.scu.edu/media/offices/umc/scu-brand-guidelines/visual-identity-and-photography/visual-identity-toolkit/logos-and-seals/Mission-Dont3.png", "response_type": "ephemeral", "replace_original": true, "footer_icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.png", "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!", "fallback": "Required plain-text summary of the attachment.", "thumb_url": "https://www.scu.edu/engineering/academic-programs/departments-of-computer-engineering/graduate/course-descriptions/", "author_icon": "https://github.com/PreetiKakuru.png"}]}
preeti@preeti-Inspiron-15-3511:~/functions$
```