COEN 241: Cloud Computing
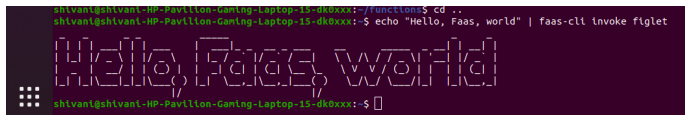Shivani Gopal Deosatwar
W1621005

Homework 2
Explanation

1. screenshot of invoking the figlet function
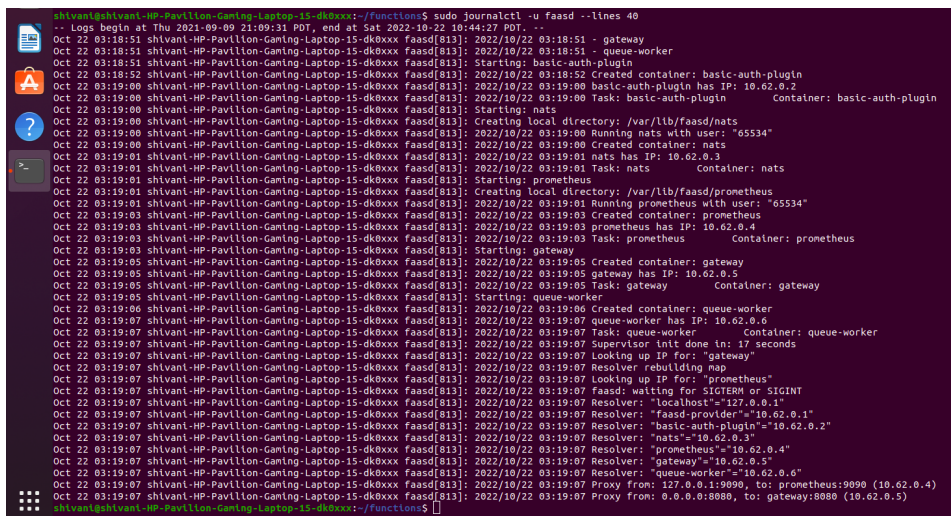

Faas-cli store deploy figlet command is run to deploy figlet function.
This gives us the url http://127.0.0.1:8080/function/figlet
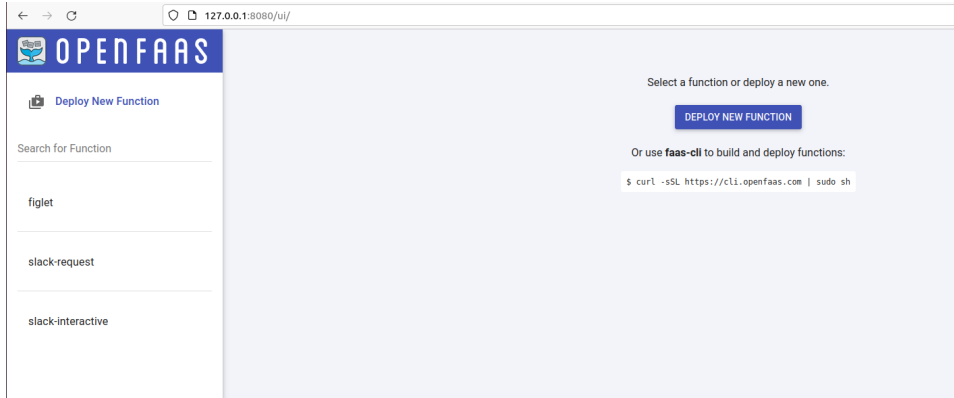Faas-cli store inspect figlet command gives repo url.
Then figlet invoke is run using echo to print string as above.

2. sudo journalctl -u faasd --lines 40

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

3. 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

1)$faas-cli invoke slack-interactive

```
Reading from STDIN - hit (Control + D) to stop.
{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author_link": "http
s://github.com/SDeosatwar/COEN241", "color": "#36a64f", "text": "Head over to CO
EN 241", "title": "COEN 241", "ts": 123456789, "author_name": "", "title_link":
"https://www.scu.edu/engineering/academic-programs/department-of-computer-engine
ering/graduate/course-descriptions/", "image_url": "https://www.scu.edu/media/of
fices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-identity-t
oolkit/logos-amp-seals/Mission-Dont3.png", "response_type": "ephemeral", "replac
e_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 attachm
ent.", "thumb_url": "https://www.scu.edu/engineering/academic-programs/departmen
t-of-computer-engineering/graduate/course-descriptions/", "author_icon": "https:
//github.com/SDeosatwar.png"}]}
```

2)$curl -d '{"Hello":"COEN 241"}' http://127.1.0.1:8080/function/slack-interactive

```
//127.1.0.1:8080/function/slack-interactive
{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author_link": "http
s://github.com/SDeosatwar/COEN241", "color": "#36a64f", "text": "Head over to CO
EN 241", "title": "COEN 241", "ts": 123456789, "author_name": "", "title_link":
"https://www.scu.edu/engineering/academic-programs/department-of-computer-engine
ering/graduate/course-descriptions/", "image_url": "https://www.scu.edu/media/of
fices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-identity-t
oolkit/logos-amp-seals/Mission-Dont3.png", "response_type": "ephemeral", "replac
e_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 attachm
ent.", "thumb_url": "https://www.scu.edu/engineering/academic-programs/departmen
t-of-computer-engineering/graduate/course-descriptions/", "author_icon": "https:
//github.com/SDeosatwar.png"}]}
```

3)$faas-cli invoke slack-request

```
Reading from STDIN - hit (Control + D) to stop.
hi
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "Amazing Level"}], "author_icon": "", "image_url": "https://github.com/SDeosatwar.png", "author_name":
"Shivani Deosatwar", "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"}]}
```

4)$curl -d '{"Hello":"COEN 241"}' http://127.1.0.1:8080/function/slack-request

```
://127.1.0.1:8080/function/slack-request
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "val
ue": "100", "title": "Amazing Level"}], "author_icon": "", "image_url": "https:
//github.com/SDeosatwar.png", "author_name": "Shivani Deosatwar", "title": "The
 Awesome world of Cloud Computing! COEN 241"}, {"text": "COEN 241 is the most a
wesome class ever!.", "title": "About COEN 241"}, {"title": "Would you recommen
d COEN 241 to your friends?", "color": "#3AA3E3", "actions": [{"text": "Of Cour
se!", "type": "button", "name": "recommend", "value": "recommend"}, {"text": "M
ost Definitely!", "type": "button", "name": "definitely", "value": "definitely"
}], "callback_id": "response123", "fallback": "Would you recommend COEN 241 to
your friends?", "attachment_type": "default"}]}
```

Slack-request and slack-interactive are invoked using 2 commands (faas-cli and curl).