# Justin Cole

# HW 2

# Tasks

1. Figlet Screenshot

#### 2. Slack-request/handler.py

```
import json
def handle(req):
    data = {
        "text": "Serverless Message",
        "attachments": [{
            "title": "The Awesome world of Cloud Computing! COEN 241",
            "fields": [{
                "title": "Amazing Level",
                "value": "100",
                "short": True
            "image_url": "https://www.justincole.app/statics/mypic.png"
            "title": "About COEN 241",
            "text": "COEN 241 is the most awesome class ever!."
            "fallback": "Would you recommend COEN 241 to your friends?",
            "title": "Would you recommend COEN 241 to your friends?",
            "callback_id": "response123",
            "color": "#3AA3E3",
            "attachment type": "default",
            "actions": [
                    "name": "recommend",
                    "text": "Of Course!",
                    "type": "button",
                    "value": "recommend"
                    "name": "definitely",
                    "text": "Most Definitely!",
                    "type": "button",
                    "value": "definitely"
    return json.dumps(data)
```

3. Slack-interactive/handler.py

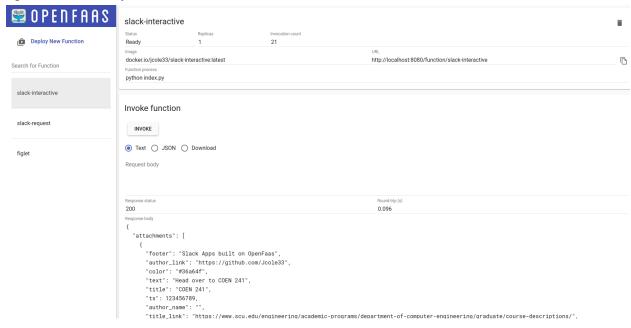
```
def handle(reg):
         indec(req).
rlstring = urllib.unquote(req).decode('utf8').strip('payload=')
esponse = json.loads(urlstring)
                       "response_type": "ephemeral",
"fallback": "Required plain-text summary of the attachment.",
"color": "#36a64f",
                        "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!",
                       "author_link": "https://github.com/Jcole33",
"author_icon": "https://www.justincole.app/statics/mypic.png",
                       "title": "COEN 241",
"title_link": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
                        "text": "Head over to COEN 241",
"image_url": "https://www.scu.edu/media/offices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-identity-toolkit/logos-amp-seal
"thumb_url": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
                       "footer": "Slack Apps built on OpenFaas",
"footer_icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.png",
                        "ts": 123456789
     return json.dumps(data)
```

4. Running sudo journalctl -u faasd --lines 40

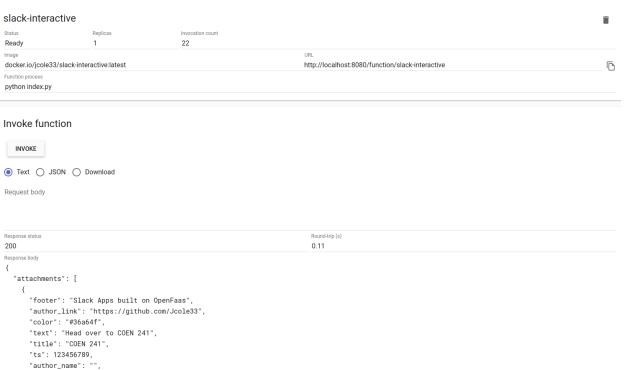
```
Running sudo journalctl -u faasd --lines 40

- Logs begin at Frt 2022-04-22 15:48:25 PDT, end at Sat 2022-05-07 12:58:24 PDT. --
May 05 19:13:42 kellen-ThinkPad-X1-Carbon-Gen-8 faasd(31566): 2022/05/05 19:13:42 - queue-worker
May 05 19:13:42 kellen-ThinkPad-X1-Carbon-Gen-8 faasd(31566): 2022/05/05 19:13:42 - queue-worker
May 05 19:13:42 kellen-ThinkPad-X1-Carbon-Gen-8 faasd(31566): 2022/05/05 19:13:42 - queue-worker
May 05 19:13:42 kellen-ThinkPad-X1-Carbon-Gen-8 faasd(31566): 2022/05/05 19:13:42 carbon-Dugin has IP: 10.62.0.2
May 05 19:13:42 kellen-ThinkPad-X1-Carbon-Gen-8 faasd(31566): 2022/05/05 19:13:43 kellen-ThinkPad-X1-Carbon-Gen-8 faasd(31566): 2022/05/05 19:13:43 kellen-ThinkPad-X1-Carbon-Gen-8 faasd(31566):
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Container: basic-auth-plugin
```

### 5. OpenFaas Gateway

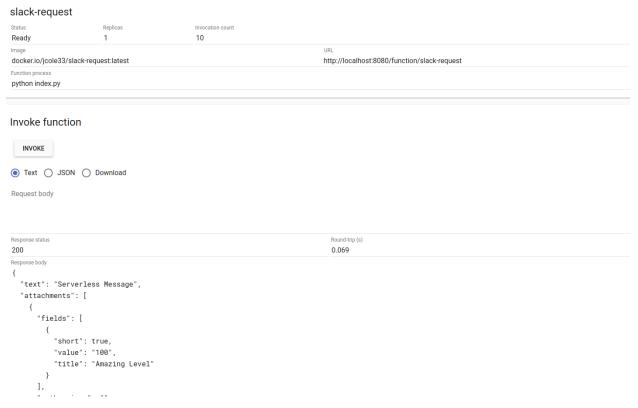


### 6. Invoking slack-interactive



"title link": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/"

#### Invoking slack-request



## Questions

- 1. What is the command to invoke the slack-request function
  - a. Curl: curl http://127.0.0.1:8080/function/slack-request
  - b. CLI: faas-cli invoke slack-request
- 2. Slack Request Output
- { text. 's vervetes' message, attachments: [[ texts. [ short. true, You've: low, tttte: "mosting tevet }], author\_loon.r. (non-general true). The Amesone world of Cloud Computing! COBN 241", [\*text: "COBN 241 is the most assessme class everl.", 'tttle': 'About COBN 241"), [\*title': 'Mould you recommend COBN 241 to your friends?", "color': "#3AA3E3", 'actions": [{ text': "Of Course!", "type": "button", "name": "defin tely", "value": "recommend"), [ 'text': "Most Definitely!", "type": "button", "name": "defin tely", "value": "definitely"]], "callback\_id": "response123", "fallback": "Mould you recommend COBN 241 to your friends?", "attachment\_type": "default"]])
- 3. What is the command to invoke the slack-interactive function
  - a. Curl: curl http://127.0.0.1:8080/function/slack-interactive
  - b. CLI: faas-cli invoke slack-interactive
- 4. Slack Interactive Output
- 4595//narketing/kng/\_reprand/neta/stack\_hash\_255.png/, "pretext: "Ash yealt foreat choice, COEN 241 is absolutely anazing!", "fallback!" "Required plain-text summary of the attachment.", "thumb\_utss://mmx.scu.edu/engleering/acadentc-programs/department-of-computer-englineering/graduate/course-descriptions/", "author tcon!: "https://mmx.justincole.app/statics/nyptc.png"\]]]

  5. Feed different inputs into the stdin either through a piped echo statement or through just typing it in after. If I wanted to pass multiple different arguments then I could feed JSON
- typing it in after. If I wanted to pass multiple different arguments then I could feed JSON data into the function with different properties to represent each argument. JSON would also allow me to support arguments of different types as I could include a standard property on the incoming JSON that specified what the incoming data type was.
- 6. If I wanted to support more complex inputs via requests with a JSON body then I could have it parse the incoming JSON and see what arguments it has or use a "type" property to determine what kind of data the function should expect the JSON object to have.

### Extra Credit

Slack-Request Link:

https://a98b-2600-1010-b05d-472f-8d-fef9-9348-c284.ngrok.io/function/slack-request Slack-Interactive Link:

https://a98b-2600-1010-b05d-472f-8d-fef9-9348-c284.ngrok.io/function/slack-interactive

#### Screenshots:

