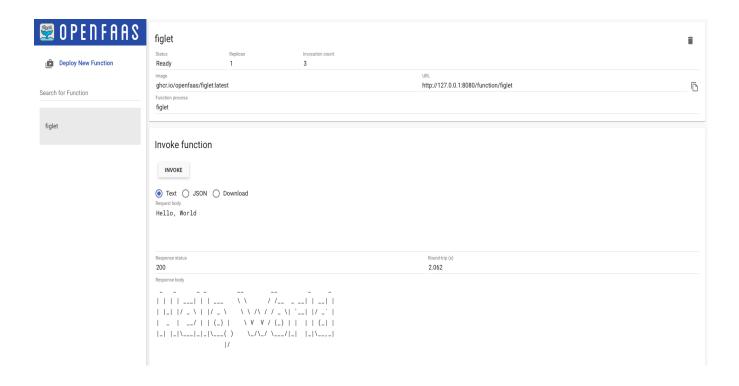
Screenshots with Explanation

Figlet Function:



Installing the Figlet function, by invoking it using the faas-cli and printing a few ASCII values.



Invoking the figlet function in the above image, through the Openfaas UI and entering a few ASCII values.

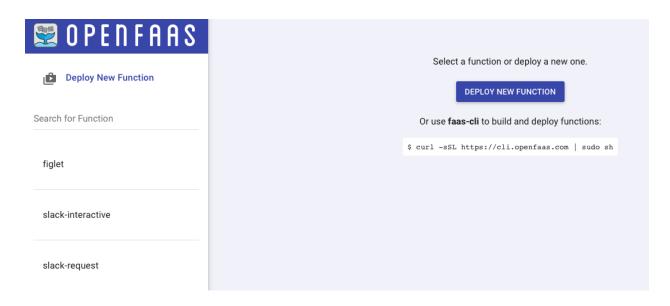
Faasd Logs

```
malst@ubuntu:~$ sudo journalctl –u faasd ––lines 40
 [sudo] password for malst:
[Sudo] password for maist.

-- Logs begin at Mon 2023–01–30 20:52:32 UTC, end at Wed 2023–02–15 20:47:04 UTC. --
Feb 15 05:12:23 ubuntu faasd[884]: 2023/02/15 05:12:23 – prometheus
Feb 15 05:12:23 ubuntu faasd[884]: 2023/02/15 05:12:23 – gateway
Feb 15 05:12:23 ubuntu faasd[884]: Starting nats
Feb 15 05:12:23 ubuntu faasd[884]: Creating local directory: /var/lib/faasd/nats
Feb 15 05:12:23 ubuntu faasd[884]: Creating local directory: /var/lib/faasd/nats
Feb 15 05:12:23 ubuntu faasd[884]: 2023/02/15 05:12:23 Running nats with user: "65534"
Feb 15 05:12:25 ubuntu faasd[884]: 2023/02/15 05:12:25 Created container: nats
Feb 15 05:12:43 ubuntu faasd[884]: 2023/02/15 05:12:43 nats has IP: 10.62.0.2
 Feb 15 05:12:43 ubuntu faasd[884]: 2023/02/15 05:12:43 Task: nats Container: na
Feb 15 05:12:44 ubuntu faasd[884]: Starting: queue–worker
Feb 15 05:12:46 ubuntu faasd[884]: 2023/02/15 05:12:46 Created container: queue–worker
                                                                                                                                                     Container: nats
 Container: queue-worker
 Feb 15 05:12:58 ubuntu faasd[884]: 2023/02/15 05:12:58 Created container: basic—auth—plugin
Feb 15 05:13:05 ubuntu faasd[884]: 2023/02/15 05:13:05 basic—auth—plugin has IP: 10.62.0.4
Feb 15 05:13:05 ubuntu faasd[884]: 2023/02/15 05:13:05 Task: basic—auth—plugin Conta
                                                                                                                                                                                Container: basic-auth-plugin
 Feb 15 05:13:06 ubuntu faasd[884]: Starting: prometheus
Feb 15 05:13:06 ubuntu faasd[884]: Creating local directory: /var/lib/faasd/prometheus
Feb 15 05:13:06 ubuntu faasd[884]: 2023/02/15 05:13:06 Running prometheus with user: "6
                                                                                                                                                                               "65534"
Feb 15 05:13:08 ubuntu faasd[884]: 2023/02/15 05:13:08 Created container: prometheus
Feb 15 05:13:14 ubuntu faasd[884]: 2023/02/15 05:13:14 prometheus has IP: 10.62.0.5
Feb 15 05:13:14 ubuntu faasd[884]: 2023/02/15 05:13:14 Task: prometheus Conta
Container: prometheus
 malst@ubuntu:
```

Obtained 40 lines of faasd logs, which determines the status of faasd.

OpenFaas UI



In the above image it can be seen there are 3 functions deployed in faasd.

Slack Interactive

In the following images it can be seen that the slack-interactive function has been invoked through the CLI and UI.

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

("Hello": "ODEN 24!")

("Hello": "ODEN 24!")

("Hello": "ODEN 24!")

("Hello": "ODEN 24!")

("Attachments": [{"author_link": "https://github.com/malavikast/CDEN-241--Winter-2023", "color": "#35a64f", "text": "Head over to CDEN 24!", "author_name": "Mal

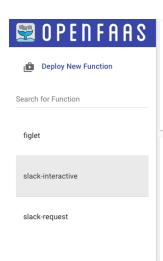
avika Sreedhar Tankala", "pesponse_type": "Testing interactive", "replace_original": true, "pretext": "Ahh yeah! Great choice, CDEN 24! is absolutely amazing!",

"thumb_url": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "title": "CDEN 24!", "footer

icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.png", "footer": "Slack Apps built on OpenFaas", "ts": 123456789, "title_link"

'https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "fallback": "Required plain-text summary

of the attachment.", "author_icon": "https://avatars.githubusercontent.com/malavikast"}}
```



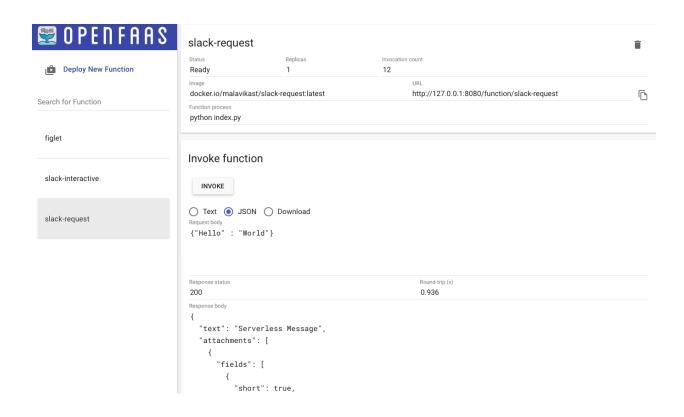
```
slack-interactive
                                                                                                            î
Status
                       Replicas
                                              Invocation count
                                              17
Not ready
docker.io/malavikast/slack-interactive:latest
                                                      http://127.0.0.1:8080/function/slack-interactive
                                                                                                            python index.py
Invoke function
  INVOKE
{"Hello" : "COEN 241"}
                                                        Round-trip (s)
200
                                                        15.563
Response body
  "attachments": [
      "author_link": "https://github.com/malavikast/COEN-241--Winter-2023",
      "color": "#36a64f",
      "text": "Head over to COEN 241",
      "author_name": "Malavika Sreedhar Tankala",
```

```
{"Hello" : "COEN 241"}
                                                                                                                                                                                                                                                                                 Round-trip (s)
200
                                                                                                                                                                                                                                                                                15.563
Response body
          "attachments": [
                              "author_link": "https://github.com/malavikast/COEN-241--Winter-2023",
                               "color": "#36a64f",
                               "text": "Head over to COEN 241",
                              "author_name": "Malavika Sreedhar Tankala",
                               "response_type": "Testing interactive",
                               "replace_original": true,
                               "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!",
                               "thumb\_url": "https://www.scu.edu/engineering/academic-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-programs/department-of-computer-progr
engineering/graduate/course-descriptions/",
                                 "title": "COEN 241",
                               "footer\_icon": "https://a.slack-edge.com/45901/marketing/img/\_rebrand/meta/slack\_hash\_256.png", in the contract of the contr
                               "footer": "Slack Apps built on OpenFaas",
                               "ts": 123456789,
                              "title_link": "https://www.scu.edu/engineering/academic-programs/department-of-computer-
engineering/graduate/course-descriptions/",
                                 "fallback": "Required plain-text summary of the attachment.",
                                 "author_icon": "https://avatars.githubusercontent.com/malavikast"
                     }
         ]
```

Slack Request

In the following images it can be seen that the slack-request function has been invoked through the CLI and UI.





slack-request

```
Round-trip (s)
Response status
200
                                                    0.936
  "text": "Serverless Message",
  "attachments": [
     "fields": [
         "short": true,
         "value": "100",
         "title": "Amazing level"
       }
      "author_icon": " ",
     "image_url": "https://avatarsgithubusercontent.com/malavikast",
      "author_name": "Malavika Sreedhar Tankala",
     "title": "The awesome world of Cloud Computing! COEN 241"
    },
     "text": "COEN is the mos t awesome class ever!.",
     "description": "Testing the slack-request",
     "title": "About COEN 241"
      "title": "The awesome world of Cloud Computing! COEN 241"
    },
      "text": "COEN is the mos t awesome class ever!.",
      "description": "Testing the slack-request",
      "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"
  ]
```