1. Screenshot of invoking the figlet function


```
zelu@zelu-vm:~$ faas-cli store deploy figlet

Deployed. 200 OK.
URL: http://127.0.0.1:8080/function/figlet

zelu@zelu-vm:~$ 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

zelu@zelu-vm:~$ echo "Hello,COEN-241" | faas-cli invoke figlet
```

```
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|  _  |  __/ | | (_) || |__| |_| | |___| |\  |_____/ __/|__   _| |
|_| |_|\___|_|_|\___/  _____/|_____|_| \_|    |_____|  |_| |_|
                   |/
zelu@zelu-vm:~$
```
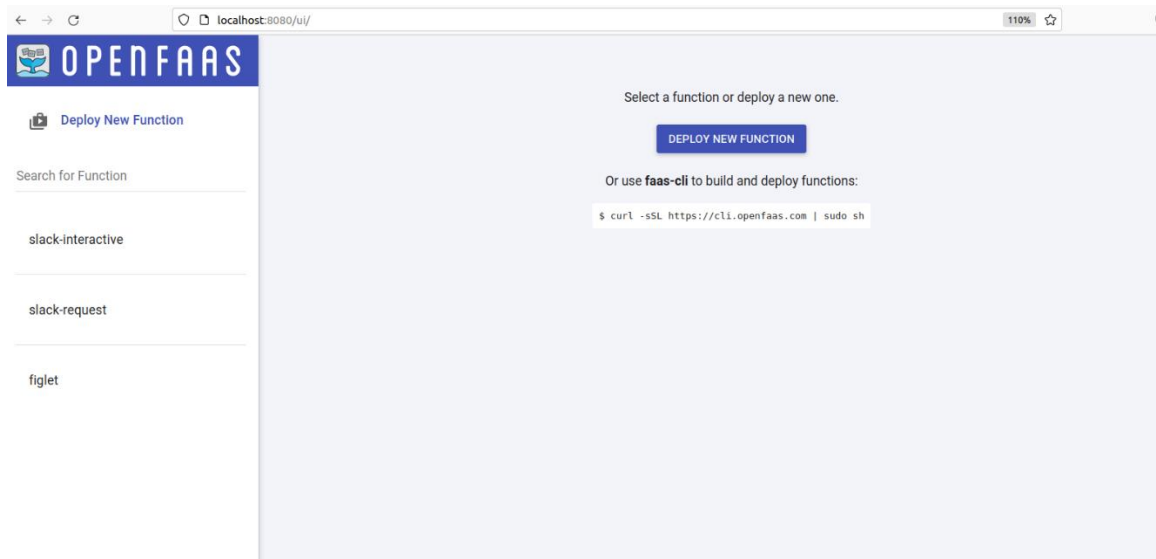
2. screenshot of running: sudo journalctl -u faasd –lines 40


```
Oct 29 01:05:58 zelu-vm faasd[790]: 2022/10/29 01:05:58 - gateway
Oct 29 01:05:58 zelu-vm faasd[790]: 2022/10/29 01:05:58 - queue-worker
Oct 29 01:05:58 zelu-vm faasd[790]: Starting: prometheus
Oct 29 01:05:58 zelu-vm faasd[790]: Creating local directory: /var/lib/faasd/prometheus
Oct 29 01:05:58 zelu-vm faasd[790]: 2022/10/29 01:05:58 Running prometheus with user: "65534"
Oct 29 01:05:58 zelu-vm faasd[790]: 2022/10/29 01:05:58 Created container: prometheus
Oct 29 01:05:58 zelu-vm faasd[790]: 2022/10/29 01:05:58 prometheus has IP: 10.62.0.2
Oct 29 01:05:58 zelu-vm faasd[790]: 2022/10/29 01:05:58 Task: prometheus        Container: prometheus
Oct 29 01:05:58 zelu-vm faasd[790]: Starting: basic-auth-plugin
Oct 29 01:05:58 zelu-vm faasd[790]: 2022/10/29 01:05:58 Created container: basic-auth-plugin
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 basic-auth-plugin has IP: 10.62.0.3
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Task: basic-auth-plugin        Container: basic-auth-plugin
Oct 29 01:05:59 zelu-vm faasd[790]: Starting: nats
Oct 29 01:05:59 zelu-vm faasd[790]: Creating local directory: /var/lib/faasd/nats
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Running nats with user: "65534"
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Created container: nats
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 nats has IP: 10.62.0.4
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Task: nats        Container: nats
Oct 29 01:05:59 zelu-vm faasd[790]: Starting: gateway
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Created container: gateway
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 gateway has IP: 10.62.0.5
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Task: gateway        Container: gateway
Oct 29 01:05:59 zelu-vm faasd[790]: Starting: queue-worker
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Created container: queue-worker
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 queue-worker has IP: 10.62.0.6
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Task: queue-worker        Container: queue-worker
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Supervisor init done in: 25 seconds
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Looking up IP for: "gateway"
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Resolver rebuilding map
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 faasd: waiting for SIGTERM or SIGINT
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Resolver: "localhost"="127.0.0.1"
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Resolver: "faasd-provider"="10.62.0.1"
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Resolver: "prometheus"="10.62.0.2"
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Resolver: "basic-auth-plugin"="10.62.0.3"
Oct 29 01:05:59 zelu-vm faasd[790]: 2022/10/29 01:05:59 Resolver: "nats"="10.62.0.4"
```

3. screenshot of my OpenFaaS gateway

4. screenshot of invoking slack-request

```
zelu@zelu-vm:~/COEN241-2022FALL/HW2$ curl http://localhost:8080/function/slack-request
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "Amazing Level"}], "author_icon": "
", "image_url": "https://avatars.githubusercontent.com/VKLED", "author_name": "zelu", "title": "The Awesome world of Cloud Computing! C
OEN 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"}]}
```

5. screenshot of invoking slack-interactive

```
zelu@zelu-vm:~/COEN241-2022FALL/HW2$ curl http://localhost:8080/function/slack-interactive -d '{"Hello":"World"}'
{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author_link": "https://github.com/VKLED/COEN241-2022FALL", "color": "#36a6
4f", "text": "Head over to COEN 241", "title": "COEN 241", "ts": 123456789, "author_name": "", "title_link": "https://www.scu.edu/engin
eering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "image_url": "https://www.scu.edu/media/off
ices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-identity-toolkit/logos-amp-seals/Mission-Dont3.png", "response_typ
e": "ephemeral", "replace_original": true, "footer_icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.pn
g", "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/department-of-computer-engineering/graduate/course-descriptions/", "au
thor_icon": "https://avatars.githubusercontent.com/VKLED"}]}
zelu@zelu-vm:~/COEN241-2022FALL/HW2$ echo '{"Hello":"World"}' | faas-cli invoke slack-interactive
{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author_link": "https://github.com/VKLED/COEN241-2022FALL", "color": "#36a6
4f", "text": "Head over to COEN 241", "title": "COEN 241", "ts": 123456789, "author_name": "", "title_link": "https://www.scu.edu/engin
eering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/", "image_url": "https://www.scu.edu/media/off
ices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-identity-toolkit/logos-amp-seals/Mission-Dont3.png", "response_typ
e": "ephemeral", "replace_original": true, "footer_icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.pn
g", "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/department-of-computer-engineering/graduate/course-descriptions/", "au
thor_icon": "https://avatars.githubusercontent.com/VKLED"}]}
```