

Figlet Function:

[illegible]

Logs Command:

Screenshot for command:

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

```

Last login: Sun Feb 12 15:59:20 2023 from 192.168.64.1
ubuntu@faasd:~$ sudo journalctl -u faasd --lines 40
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 - gateway
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 - queue-worker
Feb 12 09:20:33 faasd faasd[1964]: Starting: basic-auth-plugin
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 Created container: basic-auth-plugin
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 basic-auth-plugin has IP: 10.62.0.2
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 Task: basic-auth-plugin Container: basic-auth-plugin
Feb 12 09:20:33 faasd faasd[1964]: Starting: nats
Feb 12 09:20:33 faasd faasd[1964]: Creating local directory: /var/lib/faasd/nats
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 Running nats with user: "65534"
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 Created container: nats
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 nats has IP: 10.62.0.3
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 Task: nats Container: nats
Feb 12 09:20:33 faasd faasd[1964]: Starting: prometheus
Feb 12 09:20:33 faasd faasd[1964]: Creating local directory: /var/lib/faasd/prometheus
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 Running prometheus with user: "65534"
Feb 12 09:20:33 faasd faasd[1964]: 2023/02/12 09:20:33 Created container: prometheus
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 prometheus has IP: 10.62.0.4
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Task: prometheus Container: prometheus
Feb 12 09:20:34 faasd faasd[1964]: Starting: gateway
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Created container: gateway
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 gateway has IP: 10.62.0.5
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Task: gateway Container: gateway
Feb 12 09:20:34 faasd faasd[1964]: Starting: queue-worker
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Created container: queue-worker
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 queue-worker has IP: 10.62.0.6
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Task: queue-worker Container: queue-worker
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Supervisor init done in: 17 seconds
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Looking up IP for: "gateway"
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Resolver rebuilding map
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Resolver: "localhost"="127.0.0.1"
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Resolver: "faasd-provider"="10.62.0.1"
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Resolver: "basic-auth-plugin"="10.62.0.2"
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Resolver: "nats"="10.62.0.3"
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Resolver: "prometheus"="10.62.0.4"
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Resolver: "gateway"="10.62.0.5"
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Resolver: "queue-worker"="10.62.0.6"
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Looking up IP for: "prometheus"
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Proxy from: 127.0.0.1:9090, to: prometheus:9090 (10.62.0.4)
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 faasd: waiting for SIGTERM or SIGINT
Feb 12 09:20:34 faasd faasd[1964]: 2023/02/12 09:20:34 Proxy from: 0.0.0.0:8080, to: gateway:8080 (10.62.0.5)
ubuntu@faasd:~$

```

Deployments:

1. Figlet

Command Used: `faas-cli store deploy figlet`



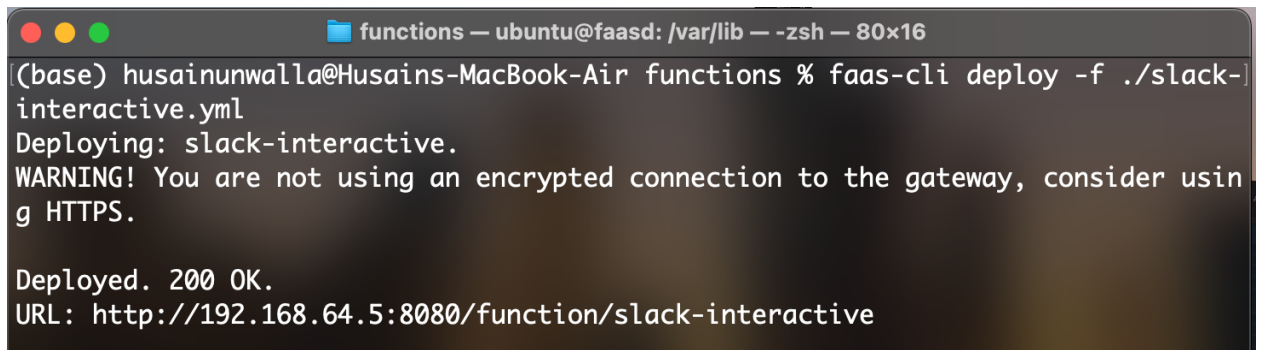
```
functions — ubuntu@faasd: ~ — zsh — 79x19
(base) husainunwalla@Husains-MacBook-Air functions % faas-cli store deploy figlet
et
WARNING! You are not using an encrypted connection to the gateway, consider using HTTPS.
Function figlet already exists, attempting rolling-update.

Deployed. 200 OK.
URL: http://192.168.64.5:8080/function/figlet

(base) husainunwalla@Husains-MacBook-Air functions % |
```

2. Slack Interactive

Command Used: `faas-cli deploy -f ./slack-interactive.yml`



```
functions — ubuntu@faasd: /var/lib — zsh — 80x16
(base) husainunwalla@Husains-MacBook-Air functions % faas-cli deploy -f ./slack-interactive.yml
Deploying: slack-interactive.
WARNING! You are not using an encrypted connection to the gateway, consider using HTTPS.

Deployed. 200 OK.
URL: http://192.168.64.5:8080/function/slack-interactive
```

3. Slack Handler

Command Used: `faas-cli deploy -f ./slack-request.yml`

```
functions — ubuntu@faasd: /var/lib — -zsh — 80x16
[0] < Pushing slack-request [husainunwalla/slack-request:latest] done.
[0] Worker done.
(base) husainunwalla@Husains-MacBook-Air functions % faas-cli deploy -f ./slack-request.yml
Deploying: slack-request.
WARNING! You are not using an encrypted connection to the gateway, consider using HTTPS.

Deployed. 200 OK.
URL: http://192.168.64.5:8080/function/slack-request
```

Invoke Functions:

1. Slack Request

Command Used: `faas-cli invoke slack-request`

```
functions — ubuntu@faasd: ~ — -zsh — 79x19
(base) husainunwalla@Husains-MacBook-Air 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://avatars.githubusercontent.com/u/3662531?v=4", "author_name": "https://github.com/husainunwalla", "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"}]}
(base) husainunwalla@Husains-MacBook-Air functions %
```

2. Slack Interactive

Command Used: `faas-cli invoke slack-interactive`

```
functions — ubuntu@faasd: ~ — zsh — 79x19
(base) husainunwalla@Husains-MacBook-Air functions % faas-cli invoke slack-inte
ractive
Reading from STDIN - hit (Control + D) to stop.
{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author_link": "htt
ps://github.com/husainunwalla", "color": "#36a64f", "text": "Head over to COEN
241", "title": "COEN 241", "ts": 123456789, "author_name": "", "title_link": "h
ttps://www.scu.edu/engineering/academic-programs/department-of-computer-enginee
ring/graduate/course-descriptions/", "image_url": "https://www.scu.edu/media/of
fices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-identity-
toolkit/logos-amp-seals/Mission-Dont3.png", "response_type": "ephemeral", "repl
ace_original": true, "footer_icon": "https://a.slack-edge.com/45901/marketing/i
mg/_rebrand/meta/slack_hash_256.png", "pretext": "Ahh yeah! Great choice, COEN
241 is absolutely amazing!", "fallback": "Required plain-text summary of the at
tachment.", "thumb_url": "https://www.scu.edu/engineering/academic-programs/dep
artment-of-computer-engineering/graduate/course-descriptions/", "author_icon":
"https://avatars.githubusercontent.com/u/36625317?v=4"}]}
(base) husainunwalla@Husains-MacBook-Air functions %
```