COEN 241 Assignment 2 Screenshots

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1. **Invoking the Figlet Function**

```
yash@yash:~/functions$ echo "Hello, FaaS, world" | faas-cli invoke figlet
  _   _        _  _         _____           ____                         _      _
 | | | |  ___ | || |  ___  |  ___|  __ _   / ___|   __      __   ___   _ __ | |  __| |
 | |_| | / _ \| || | / _ \ | |_    / _` |  \___ \   \ \ /\ / /  / _ \ | '__|| | / _` |
 |  _  ||  __/| || || (_) ||  _|  | (_| |   ___) |   \ V  V /  | (_) || |   | || (_| |
 |_| |_| \___||_||_| \___/ |_|     \__,_|  |____/     \_/\_/    \___/ |_|   |_| \__,_|
yash@yash:~/functions$
```
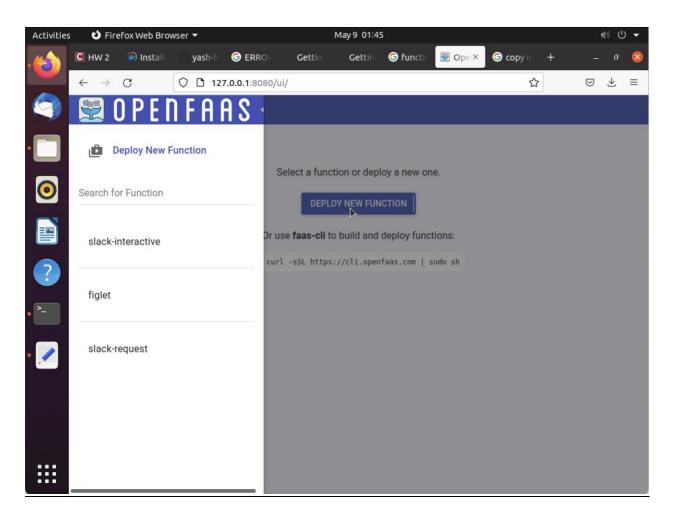
2. **Running sudo journalctl -u faasd –lines 40 command**

```
-- Logs begin at Sun 2022-05-08 20:50:43 UTC, end at Mon 2022-05-09 02:03:28 UTC. --
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 - gateway
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 - queue-worker
May 08 21:03:59 yash faasd[4006]: Starting: basic-auth-plugin
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Created container: basic-auth-plugin
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 basic-auth-plugin has IP: 10.62.0.2
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Task: basic-auth-plugin       Container: basic-a>
May 08 21:03:59 yash faasd[4006]: Starting: nats
May 08 21:03:59 yash faasd[4006]: Creating local directory: /var/lib/faasd/nats
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Running nats with user: "65534"
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Created container: nats
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 nats has IP: 10.62.0.3
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Task: nats        Container: nats
May 08 21:03:59 yash faasd[4006]: Starting: prometheus
May 08 21:03:59 yash faasd[4006]: Creating local directory: /var/lib/faasd/prometheus
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Running prometheus with user: "65534"
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Created container: prometheus
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 prometheus has IP: 10.62.0.4
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Task: prometheus       Container: prometheus
May 08 21:03:59 yash faasd[4006]: Starting: gateway
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Created container: gateway
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 gateway has IP: 10.62.0.5
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Task: gateway        Container: gateway
May 08 21:03:59 yash faasd[4006]: Starting: queue-worker
May 08 21:03:59 yash faasd[4006]: 2022/05/08 21:03:59 Created container: queue-worker
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 queue-worker has IP: 10.62.0.6
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Task: queue-worker        Container: queue-worker
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Supervisor init done in: 15 seconds
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Looking up IP for: "gateway"
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Looking up IP for: "prometheus"
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Resolver rebuilding map
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Resolver: "localhost"="127.0.0.1"
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Resolver: "faasd-provider"="10.62.0.1"
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Resolver: "basic-auth-plugin"="10.62.0.2"
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Resolver: "nats"="10.62.0.3"
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Resolver: "prometheus"="10.62.0.4"
May 08 21:04:00 yash faasd[4006]: 2022/05/08 21:04:00 Resolver: "gateway"="10.62.0.5"
lines 1-37
```

3. **OpenFaaS Gateway screenshot AFTER deploying Figlet,slack-handler and slack-interactive functions**

4. Invoking slack-request function via curl and faas-cli

5. **Invoking slack-interactive using curl and faas-cli**

```
yash@yash:~/functions$ 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/yash-bhargava18/COEN241.git", "color": "#36a64f", "text": "Head o
ver to COEN 241", "title": "COEN 241", "ts": 123456789, "author_name": "", "titl
e_link": "https://www.scu.edu/engineering/academic-programs/department-of-comput
er-engineering/graduate/course-descriptions/", "image_url": "https://www.scu.edu
/media/offices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-i
dentity-toolkit/logos-amp-seals/Mission-Dont3.png", "response_type": "ephemeral"
, "replace_original": true, "footer_icon": "https://a.slack-edge.com/45901/marke
ting/img/_rebrand/meta/slack_hash_256.png", "pretext": "Ahh yeah! Great choice,
COEN 241 is absolutely amazing!", "fallback": "Required plain-text summary of th
e attachment.", "thumb_url": "https://www.scu.edu/engineering/academic-programs/
department-of-computer-engineering/graduate/course-descriptions/", "author_icon"
: "https://github.com/yash-bhargava18.png"}]}
yash@yash:~/functions$ curl -d '{"Hello":"COEN  241"}' http://127.1.0.1:8080/fun
ction/slack-interactive
{"attachments": [{"footer": "Slack Apps built on OpenFaas", "author_link": "http
s://github.com/yash-bhargava18/COEN241.git", "color": "#36a64f", "text": "Head o
ver to COEN 241", "title": "COEN 241", "ts": 123456789, "author_name": "", "titl
e_link": "https://www.scu.edu/engineering/academic-programs/department-of-comput
er-engineering/graduate/course-descriptions/", "image_url": "https://www.scu.edu
/media/offices/umc/scu-brand-guidelines/visual-identity-amp-photography/visual-i
dentity-toolkit/logos-amp-seals/Mission-Dont3.png", "response_type": "ephemeral"
, "replace_original": true, "footer_icon": "https://a.slack-edge.com/45901/marke
ting/img/_rebrand/meta/slack_hash_256.png", "pretext": "Ahh yeah! Great choice,
COEN 241 is absolutely amazing!", "fallback": "Required plain-text summary of th
e attachment.", "thumb_url": "https://www.scu.edu/engineering/academic-programs/
department-of-computer-engineering/graduate/course-descriptions/", "author_icon"
: "https://github.com/yash-bhargava18.png"}]}
yash@yash:~/functions$
```