

## Screenshots

```
paddy@paddy:~$ echo "Hello, World" | faas-cli invoke figlet
```

[illegible]

```

[paddy@paddy:~$ sudo journalctl -u faasd --lines 40
-- Logs begin at Mon 2022-10-17 04:27:50 UTC, end at Tue 2022-11-01 18:22:38 UT>
Oct 31 19:23:05 paddy faasd[634]: 2022/10/31 19:23:05 - prometheus
Oct 31 19:23:05 paddy faasd[634]: 2022/10/31 19:23:05 - gateway
Oct 31 19:23:05 paddy faasd[634]: Starting: nats
Oct 31 19:23:05 paddy faasd[634]: Creating local directory: /var/lib/faasd/nats
Oct 31 19:23:05 paddy faasd[634]: 2022/10/31 19:23:05 Running nats with user: ">
Oct 31 19:23:05 paddy faasd[634]: 2022/10/31 19:23:05 Created container: nats
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 nats has IP: 10.62.0.2
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Task: nats          Contain>
Oct 31 19:23:06 paddy faasd[634]: Starting: queue-worker
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Created container: queue->
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 queue-worker has IP: 10.6>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Task: queue-worker    >
Oct 31 19:23:06 paddy faasd[634]: Starting: basic-auth-plugin
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Created container: basic->
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 basic-auth-plugin has IP:>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Task: basic-auth-plugi>
Oct 31 19:23:06 paddy faasd[634]: Starting: prometheus
Oct 31 19:23:06 paddy faasd[634]: Creating local directory: /var/lib/faasd/prom>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Running prometheus with u>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Created container: prome>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 prometheus has IP: 10.62.>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Task: prometheus      C>
Oct 31 19:23:06 paddy faasd[634]: Starting: gateway
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Created container: gateway
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 gateway has IP: 10.62.0.6
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Task: gateway          Cont>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Supervisor init done in: >
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Looking up IP for: "gatew>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Resolver rebuilding map
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Resolver: "localhost"="12>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Resolver: "faasd-provider>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Resolver: "nats"="10.62.0>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Resolver: "queue-worker"=>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Resolver: "basic-auth-plu>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Resolver: "prometheus"="1>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Resolver: "gateway"="10.6>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Looking up IP for: "prome>
Oct 31 19:23:06 paddy faasd[634]: 2022/10/31 19:23:06 Proxy from: 127.0.0.1:909>
lines 17-39

```



 Deploy New Function

Search for Function

figlet

slack-interactive

slack-request

Select a function or deploy a new one.

DEPLOY NEW FUNCTION

Or use **faas-cli** to build and deploy functions:

```
$ curl -sSL https://cli.openfaas.com | sudo sh
```



 Deploy New Function

Search for Function

figlet

slack-interactive

slack-request

## slack-interactive

Status	Replicas	Invocation count
Ready	1	16

Image	URL
docker.io/apadmakshi/slack-interactive:latest	http://localhost:8080/function/slack-interactive

Function process  
python index.py

## Invoke function

INVOKE

☐ Text ☒ JSON ☐ Download

Request body  
{ "Hello": "COEN" }

Response status	Round-trip (s)
200	0.11

Response body

```
{
  "attachments": [
    {
      "footer": "Slack Apps built on OpenFaas",
      "author_link": "https://github.com/APadmakshi/COEN-241---Fall-2022",
      "color": "#36a64f",
      "text": "Head over to COEN 241",
    }
  ]
}
```

Response status	Round-trip (s)
200	0.11

Response body

```
{
  "attachments": [
    {
      "footer": "Slack Apps built on OpenFaas",
      "author_link": "https://github.com/APadmakshi/COEN-241---Fall-2022",
      "color": "#36a64f",
      "text": "Head over to COEN 241",
      "title": "COEN 241",
      "ts": 123456789,
      "author_name": "Padmakshi Ashok Kumar",
      "title_link": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
      "image_url": "https://www.scu.edu/media/offices/umc/scu-brand-guidelines/visual-identity-and-photography/visual-identity-toolkit/logos-and-seals/Mission-Dont3.png",
      "response_type": "Testing interactive",
      "replace_original": true,
      "footer_icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.png",
      "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!",
      "fallback": "Required interactive testing - summary of the attachment",
      "thumb_url": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
      "author_icon": "https://avatars.githubusercontent.com/apadmakshi"
    }
  ]
}
```

```
[paddy@paddy:~/functions$ faas-cli invoke slack-interactive ]
```

```
Reading from STDIN - hit (Control + D) to stop.
```

```
[{"Hello": "Testing"}]
```

```
{
  "attachments": [
    {
      "footer": "Slack Apps built on OpenFaas",
      "author_link": "https://github.com/APadmakshi/COEN-241---Fall-2022",
      "color": "#36a64f",
      "text": "Head over to COEN 241",
      "title": "COEN 241",
      "ts": 123456789,
      "author_name": "Padmakshi Ashok Kumar",
      "title_link": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
      "image_url": "https://www.scu.edu/media/offices/umc/scu-brand-guidelines/visual-identity-and-photography/visual-identity-toolkit/logos-and-seals/Mission-Dont3.png",
      "response_type": "Testing interactive",
      "replace_original": true,
      "footer_icon": "https://a.slack-edge.com/45901/marketing/img/_rebrand/meta/slack_hash_256.png",
      "pretext": "Ahh yeah! Great choice, COEN 241 is absolutely amazing!",
      "fallback": "Required interactive testing - summary of the attachment",
      "thumb_url": "https://www.scu.edu/engineering/academic-programs/department-of-computer-engineering/graduate/course-descriptions/",
      "author_icon": "https://avatars.githubusercontent.com/apadmakshi"
    }
  ]
}
```

```
paddy@paddy:~/functions$ █
```





Deploy New Function

Search for Function

figlet

slack-interactive

slack-request

## slack-request



Status	Replicas	Invocation count
Ready	1	8

Image	URL
docker.io/apadmakshi/slack-request:latest	http://localhost:8080/function/slack-request

Function process  
python index.py



## Invoke function

INVOKE

☐ Text ☒ JSON ☐ Download

Request body  
{ "Hello": "World" }

Response status	Round-trip (s)
200	0.098

Response body

```
{
  "text": "Serverless Message",
  "attachments": [
    {
      "fields": [
        {
          "short": true,
```

```
      "value": "100",
      "title": "Amazing Level"
    }
  ],
  "author_icon": "",
  "image_url": "https://avatars.githubusercontent.com/apadmakshi",
  "author_name": "Padmakshi Ashok Kumar",
  "title": "The Awesome world of Cloud Computing! COEN 241"
},
{
  "text": "COEN 241 is the most 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"
    }
  ]
},
{
  "slack_id": "XXXXXXXXXX"
```

```

    {
      "text": "Most Definitely!",
      "type": "button",
      "name": "definitely",
      "value": "definitely"
    }
  ],
  "callback_id": "response123",
  "fallback": "Would you recommend COEN 241 to your friends?",
  "attachment_type": "default"
}
}
}

```

```

'''
[paddy@paddy:~/functions$ faas-cli invoke slack-request
Reading from STDIN - hit (Control + D) to stop.
[{"Hello": "World"}
{"text": "Serverless Message", "attachments": [{"fields": [{"short": true, "value": "100", "title": "Amazing Level"}], "author_icon": "", "image_url": "https://avatars.githubusercontent.com/apadmakshi", "author_name": "Padmakshi Ashok Kumar", "title": "The Awesome world of Cloud Computing! COEN 241"}, {"text": "COEN 241 is the most 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"}]}
paddy@paddy:~/functions$

```