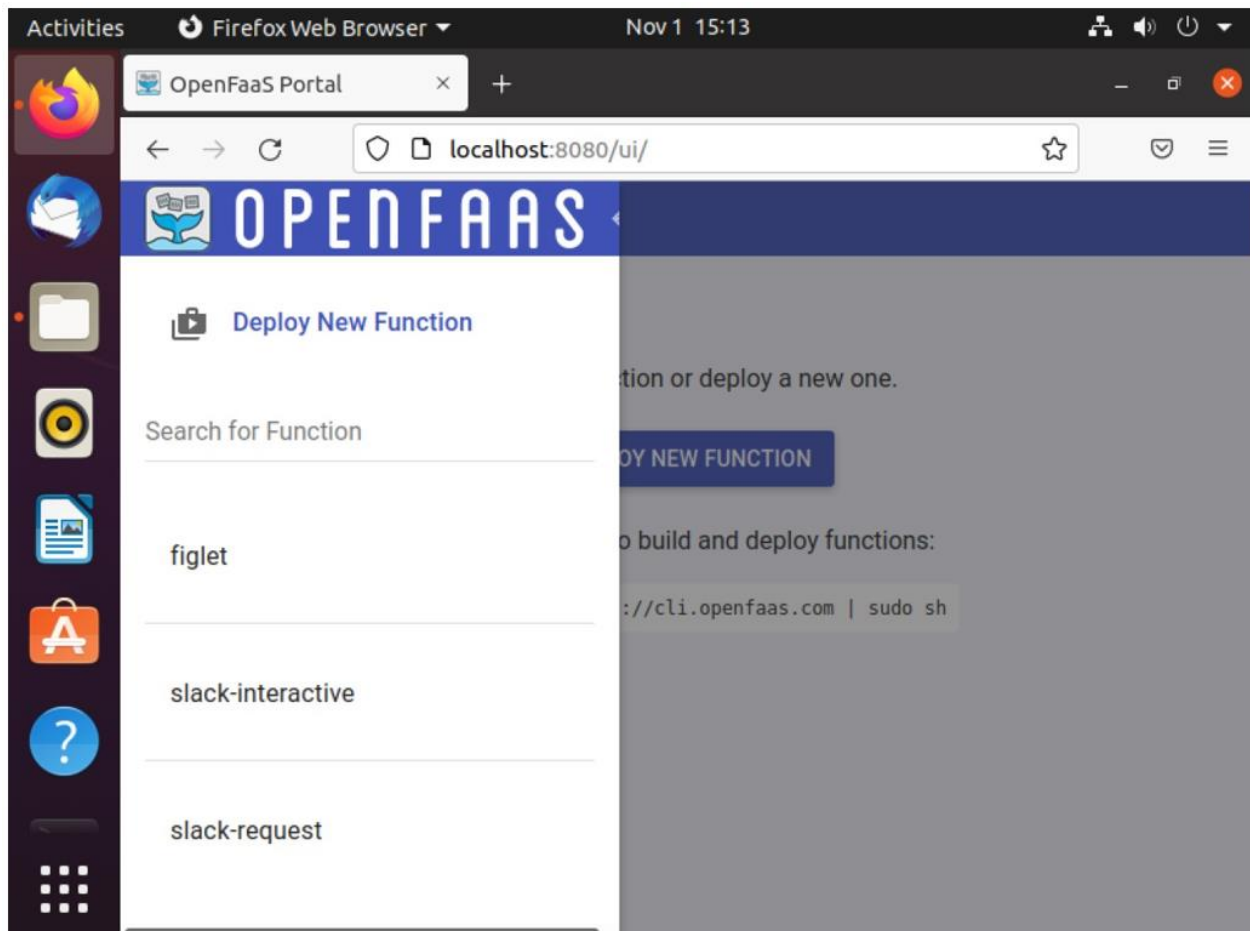



```
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 queue-worker has IP: 10.0.2.15>
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 Task: queue-worker has IP: 10.0.2.15>
Oct 26 10:23:56 sam-VirtualBox faasd[591]: Starting: basic-auth-plugin
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 Created container: basic-auth-plugin>
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 basic-auth-plugin has IP: 10.0.2.15>
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 Task: basic-auth-plugin has IP: 10.0.2.15>
Oct 26 10:23:56 sam-VirtualBox faasd[591]: Starting: prometheus
Oct 26 10:23:56 sam-VirtualBox faasd[591]: 2021/10/26 10:23:56 Created container: prometheus>
Oct 26 10:23:57 sam-VirtualBox faasd[591]: 2021/10/26 10:23:57 prometheus has IP: 10.0.2.15>
Oct 26 10:23:57 sam-VirtualBox faasd[591]: 2021/10/26 10:23:57 Task: prometheus has IP: 10.0.2.15>
Oct 26 10:23:57 sam-VirtualBox faasd[591]: Starting: gateway
Oct 26 10:23:57 sam-VirtualBox faasd[591]: 2021/10/26 10:23:57 Created container: gateway>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 gateway has IP: 10.0.2.15>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Task: gateway has IP: 10.0.2.15>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Supervisor init
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Looking up IP for: gateway>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Looking up IP for: gateway>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver rebuild
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "local"
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "faasd"
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "nats"
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "queue-worker"
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "basic-auth-plugin"
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "prometheus"
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Resolver: "gateway"
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 faasd: waiting for connections>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Proxy from: 0.0.0.0>
Oct 26 10:23:58 sam-VirtualBox faasd[591]: 2021/10/26 10:23:58 Proxy from: 127.0.0.1>
lines 14-41/41 (END)
```

The Two images above show the logs from open-faasd shortly after deploying the figlet function.

This image is from the local user interface for Open-faas from the url below, and by logging in with the credentials provided by the cli. As we can see, the figlet function, and our slack functions are all deployed.



The image below is the execution of both slack functions using the faas-cli command.

```

sam@sam-VirtualBox:~/functions$ echo "request 1" | faas-cli invoke slack-request
I see request request 1

sam@sam-VirtualBox:~/functions$ echo "request 2" | faas-cli invoke slack-interactive
Recieved: request 2

```

Task 6 Questions:

1. Commands are:

- a. `curl -d "str" -X POST http://localhost:8080/function/slack-request`
- i. str can be any string

- b. `echo "str" | faas-cli invoke slack-request`
 - i. Without the pipe operator, we can still type the `faas-cli` command, then type our input. After everything we want to be typed is typed and entered, Control+D gets our result.
 - ii. `str` can be any string.
2. As programmed, the output simple returns a string starting with “I see request” then the request string is appended to get a sample output of “I see request *where this part is directly from the user*”
3. Commands are:
 - a. `curl -d "str" -X POST http://localhost:8080/function/slack-interactive`
 - i. `str` can be any string
 - b. `echo "str" | faas-cli invoke slack-interactive`
 - i. Without the pipe operator, we can still type the `faas-cli` command, then type our input. After everything we want to be typed is typed and entered, Control+D gets our result.
 - ii. `str` can be any string
4. As programmed, the output simple returns a string starting with “Received: ” then the request string is appended to get a sample output of “Received *where this part is directly from the user*”
5. For all these functions, we can pass different inputs by changing entering any arbitrary string into in all placed labeled with “`str`” in the commands above.
6. For the `slack-interactive` function, we can add logic around the API to interpret the input, then react depending on the input. For example if we want to count characters in a string, then say if it is long or not, we can use the python `len()` function, then if the length is less than 10 characters, we can say it is short, or long otherwise.