COEN 241 Assignment 2 Screenshots

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1. Invoking the figlet function



Function figlet deployed from the OpenFaas store.

\$ faas-cli store deploy figlet

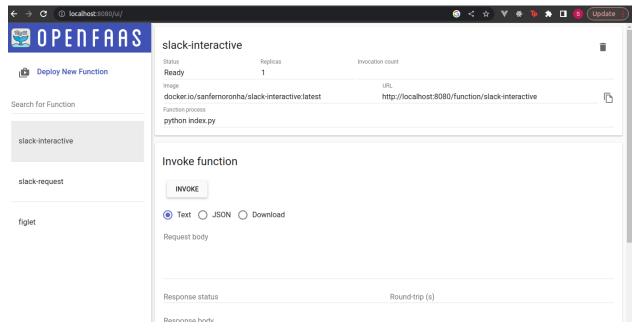
\$ echo "Hello, FaaS World" | faas-cli invoke figlet

2. Running sudo journalctl -u faasd –lines 40 command

```
sanfer@sanfer--laptop:~/
                                     $ sudo journalctl -u faasd --lines 40
Nov 01 15:41:33 sanfer--laptop faasd[4048]: 2022/11/01 15:41:33 - gateway
Nov 01 15:41:33 sanfer--laptop faasd[4048]: 2022/11/01 15:41:33 - queue-worker
Nov 01 15:41:33 sanfer--laptop faasd[4048]: Starting: nats
Nov 01 15:41:33 sanfer--laptop faasd[4048]: Creating local directory: /var/lib/>
Nov 01 15:41:33 sanfer--laptop faasd[4048]: 2022/11/01 15:41:33 Running nats wi
Nov 01 15:41:35 sanfer--laptop faasd[4048]: 2022/11/01 15:41:35 Created contain>
Nov 01 15:41:42 sanfer--laptop faasd[4048]: 2022/11/01 15:41:42 nats has IP: 10>
Nov 01 15:41:42 sanfer--laptop faasd[4048]: 2022/11/01 15:41:42 Task: nats
Nov 01 15:41:42 sanfer--laptop faasd[4048]: Starting: prometheus
Nov 01 15:41:42 sanfer--laptop faasd[4048]: Creating local directory: /var/lib/>
Nov 01 15:41:42 sanfer--laptop faasd[4048]: 2022/11/01 15:41:42 Running prometh>
Nov 01 15:41:48 sanfer--laptop faasd[4048]: 2022/11/01 15:41:48 Created contain>
Nov 01 15:41:49 sanfer--laptop faasd[4048]: 2022/11/01 15:41:49 prometheus has >
Nov 01 15:41:49 sanfer--laptop faasd[4048]: 2022/11/01 15:41:49 Task: prometheu>
Nov 01 15:41:49 sanfer--laptop faasd[4048]: Starting: basic-auth-plugin
Nov 01 15:41:53 sanfer--laptop faasd[4048]: 2022/11/01 15:41:53 Created contain>
Nov 01 15:41:55 sanfer--laptop faasd[4048]: 2022/11/01 15:41:55 basic-auth-plug>
Nov 01 15:41:55    sanfer--laptop faasd[4048]: 2022/11/01 15:41:55    Task: basic-aut>
Nov 01 15:41:55 sanfer--laptop faasd[4048]: Starting: gateway
Nov 01 15:41:58 sanfer--laptop faasd[4048]: 2022/11/01 15:41:58 Created contain>
Nov 01 15:41:58 sanfer--laptop faasd[4048]: 2022/11/01 15:41:58 gateway has IP:>
Nov 01 15:41:58 sanfer--laptop faasd[4048]: 2022/11/01 15:41:58 Task: gateway
Nov 01 15:41:58 sanfer--laptop faasd[4048]: Starting: queue-worker
lines 1-23...skipping...
Nov 01 15:41:33 sanfer--laptop faasd[4048]: 2022/11/01 15:41:33 - gateway
Nov 01 15:41:33 sanfer--laptop faasd[4048]: 2022/11/01 15:41:33 - queue-worker
Nov 01 15:41:33 sanfer--laptop faasd[4048]: Starting: nats
Nov 01 15:41:33 sanfer--laptop faasd[4048]: Creating local directory: /var/lib/fa
Nov 01 15:41:33 sanfer--laptop faasd[4048]: 2022/11/01 15:41:33 Running nats with
Nov 01 15:41:35 sanfer--laptop faasd[4048]: 2022/11/01 15:41:35 Created container
Nov 01 15:41:42 sanfer--laptop faasd[4048]: 2022/11/01 15:41:42 nats has IP: 10.6
Nov 01 15:41:42 sanfer--laptop faasd[4048]: 2022/11/01 15:41:42 Task: nats
Nov 01 15:41:42 sanfer--laptop faasd[4048]: Starting: prometheus
Nov 01 15:41:42 sanfer--laptop faasd[4048]: Creating local directory:
```

The above command is used to print logs to check whether Faasd is running or not. We are printing 40 lines.

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



The above screenshot verifies that the three functions have been deployed in the cluster.

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

```
| sanfer@sanfer--laptop:-/functions | Sans-cli invoke slack-request | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (Control + D) to stop. | Reading from STDIN - hit (
```

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

Here we invoke the slack-request and the slack-interactive functions via both curl and faas-cli.