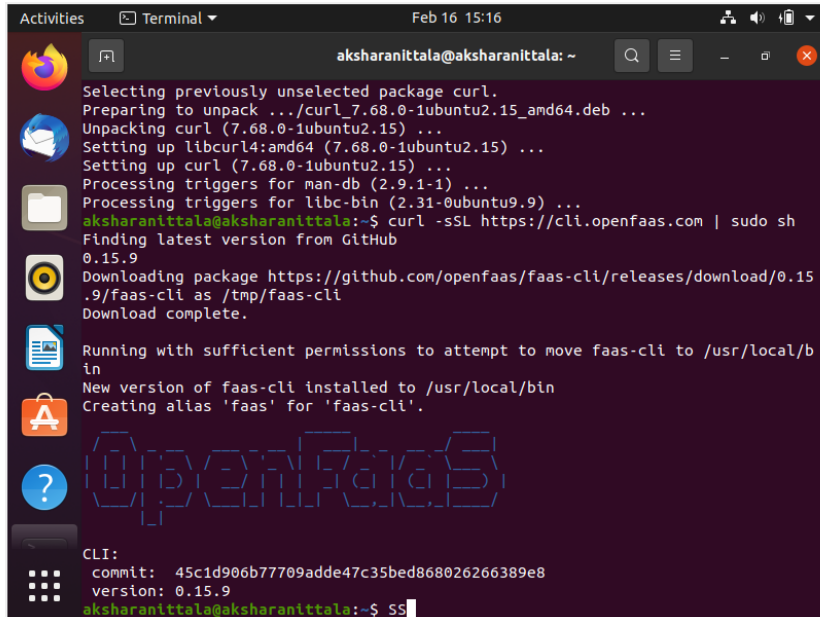


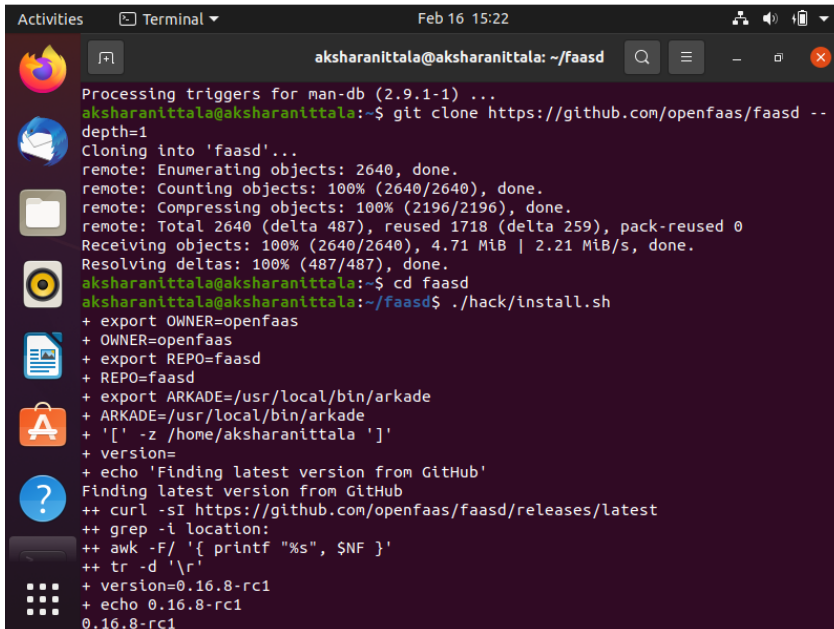
Step 1: Installation of OpenFaas on Ubuntu 20.04 LTS:



```
aksharanittala@aksharanittala: ~  
Selecting previously unselected package curl.  
Preparing to unpack .../curl_7.68.0-1ubuntu2.15_amd64.deb ...  
Unpacking curl (7.68.0-1ubuntu2.15) ...  
Setting up libcurl4:amd64 (7.68.0-1ubuntu2.15) ...  
Setting up curl (7.68.0-1ubuntu2.15) ...  
Processing triggers for man-db (2.9.1-1) ...  
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...  
aksharanittala@aksharanittala:~$ curl -sSL https://cli.openfaas.com | sudo sh  
Finding latest version from GitHub  
0.15.9  
Downloading package https://github.com/openfaas/faas-cli/releases/download/0.15.9/faas-cli as /tmp/faas-cli  
Download complete.  
  
Running with sufficient permissions to attempt to move faas-cli to /usr/local/bin  
New version of faas-cli installed to /usr/local/bin  
Creating alias 'faas' for 'faas-cli'.  
  
OPENFAAS  
  
CLI:  
commit: 45c1d906b77709adde47c35bed868026266389e8  
version: 0.15.9  
aksharanittala@aksharanittala:~$ ss
```

Step 2: Deploy OpenFaas

Installation of OpenFaas:



```
aksharanittala@aksharanittala: ~/faasd  
Processing triggers for man-db (2.9.1-1) ...  
aksharanittala@aksharanittala:~$ git clone https://github.com/openfaas/faasd --depth=1  
Cloning into 'faasd'...  
remote: Enumerating objects: 2640, done.  
remote: Counting objects: 100% (2640/2640), done.  
remote: Compressing objects: 100% (2196/2196), done.  
remote: Total 2640 (delta 487), reused 1718 (delta 259), pack-reused 0  
Receiving objects: 100% (2640/2640), 4.71 MiB | 2.21 MiB/s, done.  
Resolving deltas: 100% (487/487), done.  
aksharanittala@aksharanittala:~$ cd faasd  
aksharanittala@aksharanittala:~/faasd$ ./hack/install.sh  
+ export OWNER=openfaas  
+ OWNER=openfaas  
+ export REPO=faasd  
+ REPO=faasd  
+ export ARKADE=/usr/local/bin/arkade  
+ ARKADE=/usr/local/bin/arkade  
+ '[' -z /home/aksharanittala ']'  
+ version=  
+ echo 'Finding latest version from GitHub'  
Finding latest version from GitHub  
++ curl -sI https://github.com/openfaas/faasd/releases/latest  
++ grep -i location:  
++ awk -F/ '{ printf "%s", $NF }'  
++ tr -d '\r'  
+ version=0.16.8-rc1  
+ echo 0.16.8-rc1  
0.16.8-rc1
```

Getting OpenFaas CLI username and password:

```
Username: admin
Password: UcsE0K60cIMSc9YeZpfs0QLOaXOKBhwiLVuAMG0Qt5MtXhQ8uYlyile6rapO0ts

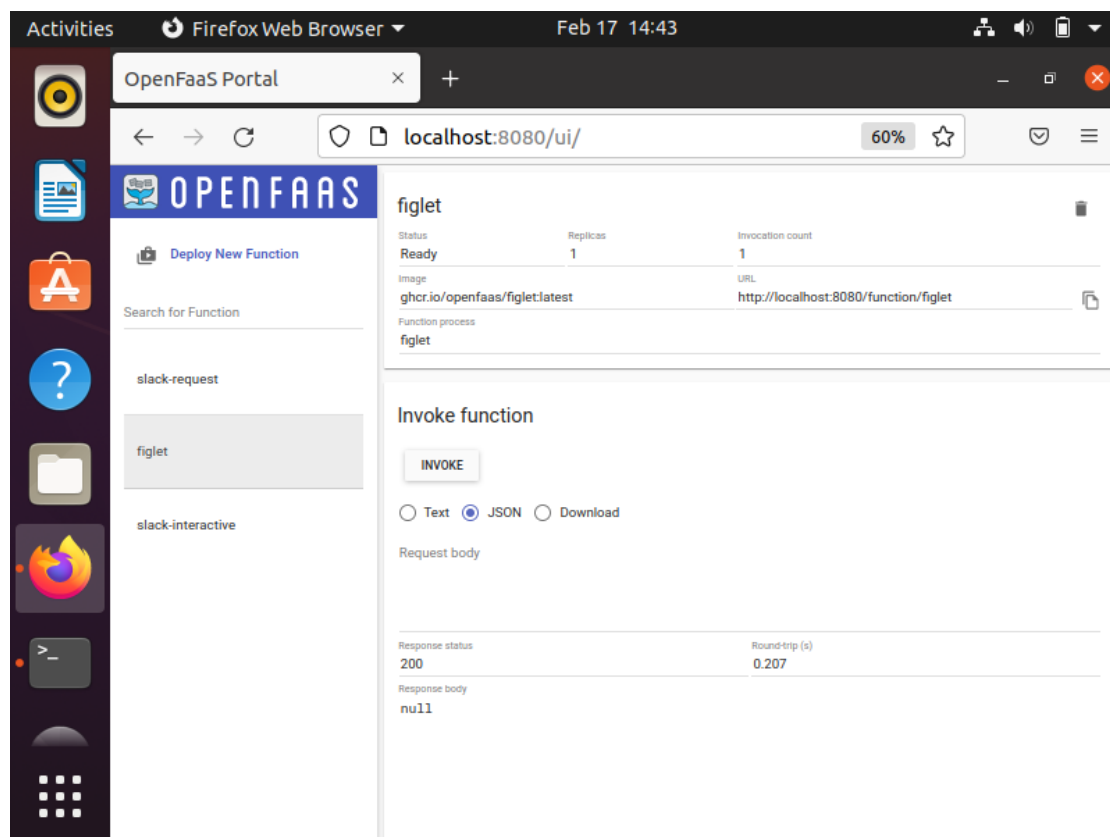
Logging into OpenFaas CLI:
```

Password: UcsE0K60clMSc9YeZpfs0QLOaXOKBhwiLVuAMG0Qt5MtXhQ8uYlyile6rapO0ts

Logging into OpenFaas CLI:

```
Activities Terminal Feb 16 15:29
aksharanittala@aksharanittala: ~/faasd
+ sudo curl -fSLs https://raw.githubusercontent.com/openfaas/faasd/0.16.8-rc1/hack/faasd.service --output hack/faasd.service
+ sudo /usr/local/bin/faasd install
2023/02/16 15:22:52 Writing to: "/var/lib/faasd/secrets/basic-auth-password"
2023/02/16 15:22:52 Writing to: "/var/lib/faasd/secrets/basic-auth-user"
Check status with:
  sudo journalctl -u faasd --lines 100 -f

Login with:
  sudo cat /var/lib/faasd/secrets/basic-auth-password | faas-cli login -s
+ install_caddy
+ '[' '!' -z ' ' ']'
+ echo 'Skipping caddy installation as FAASD_DOMAIN.'
Skipping caddy installation as FAASD_DOMAIN.
aksharanittala@aksharanittala:~/faasd$ sudo cat /var/lib/faasd/secrets/basic-auth-password
UcsE0K60cIMSc9YeZpfs0QL0aXOKBhwILVUaMG0Qt5MtXhQ8uYIyiIe6rap00tsaksharanittala@aksharanittala:~/faasd$ ^C
aksharanittala@aksharanittala:~/faasd$ sudo cat /var/lib/faasd/secrets/basic-auth-user
adminaksharanittala@aksharanittala:~/faasd$ sudo cat /var/lib/faasd/secrets/basic-auth-password
aksharanittala@aksharanittala:~/faasd$ sudo cat /var/lib/faasd/secrets/basic-auth-password | faas-cli login --username admin --password-stdin
Calling the OpenFaaS server to validate the credentials...
credentials saved for admin http://127.0.0.1:8080
aksharanittala@aksharanittala:~/faasd$
```



Step 3: Verify OpenFaas Installation

```
Activities Terminal Feb 16 15:30
aksharanittala@aksharanittala: ~/faasd
adminaksharanittala@aksharanittala:~/faasd$ sudo cat /var/lib/faasd/secrets/basic-auth-password
aksharanittala@aksharanittala:~/faasd$ sudo cat /var/lib/faasd/secrets/basic-auth-user
adminaksharanittala@aksharanittala:~/faasd$ sudo cat /var/lib/faasd/secrets/basic-auth-password | faas-cli login --username admin --password-stdin
Calling the OpenFaas server to validate the credentials...
credentials saved for admin http://127.0.0.1:8080
aksharanittala@aksharanittala:~/faasd$ sudo systemctl status faasd
● faasd.service - faasd
   Loaded: loaded (/lib/systemd/system/faasd.service; enabled; vendor preset:
   Active: active (running) since Thu 2023-02-16 15:22:53 PST; 7min ago
     Main PID: 6180 (faasd)
        Tasks: 9 (limit: 5612)
       Memory: 10.2M (limit: 500.0M)
      CGroup: /system.slice/faasd.service
             └─6180 /usr/local/bin/faasd up

Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "faa
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "bas
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "nat
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "pro
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "gat
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "que
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 faasd: waiting
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Looking up IP >
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Proxy from: 0.
Feb 16 15:23:41 aksharanittala faasd[6180]: 2023/02/16 15:23:41 Proxy from: 12
lines 1-19/19 (END)
```

```
Activities Terminal Feb 16 15:31
Firefox Web Browser aksharanittala@aksharanittala: ~/faasd
└─6180 /usr/local/bin/faasd up

Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "faa
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "bas
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "nat
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "pro
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "gat
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Resolver: "que
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 faasd: waiting
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Looking up IP >
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Proxy from: 0.
Feb 16 15:23:41 aksharanittala faasd[6180]: 2023/02/16 15:23:41 Proxy from: 12

aksharanittala@aksharanittala:~/faasd$ sudo systemctl status faasd-provider
● faasd-provider.service - faasd-provider
   Loaded: loaded (/lib/systemd/system/faasd-provider.service; enabled; vend
   Active: active (running) since Thu 2023-02-16 15:22:53 PST; 8min ago
     Main PID: 6173 (faasd)
        Tasks: 6 (limit: 5612)
       Memory: 12.9M (limit: 500.0M)
      CGroup: /system.slice/faasd-provider.service
             └─6173 /usr/local/bin/faasd provider

Feb 16 15:22:53 aksharanittala systemd[1]: Started faasd-provider.
Feb 16 15:22:53 aksharanittala faasd[6173]: 2023/02/16 15:22:53 faasd-provider
Feb 16 15:22:53 aksharanittala faasd[6173]: faasd version: 0.16.8-rc1
Feb 16 15:22:53 aksharanittala faasd[6173]: 2023/02/16 15:22:53 Writing network
Feb 16 15:22:53 aksharanittala faasd[6173]: 2023/02/16 15:22:53 Listening on T
lines 1-14/14 (END)
```

```
Activities Terminal Feb 16 16:48
aksharanittala@aksharanittala: ~/functions

aksharanittala@aksharanittala:~/functions$ sudo journalctl -u faasd --lines 40
[sudo] password for aksharanittala:
-- Logs begin at Thu 2023-02-16 15:09:08 PST, end at Thu 2023-02-16 16:48:40 P
Feb 16 15:23:35 aksharanittala faasd[6180]: 2023/02/16 15:23:35 - gateway
Feb 16 15:23:35 aksharanittala faasd[6180]: 2023/02/16 15:23:35 - queue-worker
Feb 16 15:23:35 aksharanittala faasd[6180]: Starting: basic-auth-plugin
Feb 16 15:23:35 aksharanittala faasd[6180]: 2023/02/16 15:23:35 Created conta
Feb 16 15:23:37 aksharanittala faasd[6180]: 2023/02/16 15:23:37 basic-auth-plu
Feb 16 15:23:37 aksharanittala faasd[6180]: 2023/02/16 15:23:37 Task: basic-au
Feb 16 15:23:37 aksharanittala faasd[6180]: Starting: nats
Feb 16 15:23:37 aksharanittala faasd[6180]: Creating local directory: /var/lib
Feb 16 15:23:37 aksharanittala faasd[6180]: 2023/02/16 15:23:37 Running nats w
Feb 16 15:23:37 aksharanittala faasd[6180]: 2023/02/16 15:23:37 Created conta
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 nats has IP: 1
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 Task: nats
Feb 16 15:23:38 aksharanittala faasd[6180]: Starting: prometheus
Feb 16 15:23:38 aksharanittala faasd[6180]: Creating local directory: /var/lib
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 Running promet
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 Created conta
Feb 16 15:23:39 aksharanittala faasd[6180]: 2023/02/16 15:23:39 prometheus has
Feb 16 15:23:39 aksharanittala faasd[6180]: 2023/02/16 15:23:39 Task: promethe
Feb 16 15:23:39 aksharanittala faasd[6180]: Starting: gateway
Feb 16 15:23:39 aksharanittala faasd[6180]: 2023/02/16 15:23:39 Created conta
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 gateway has IP
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Task: gateway
Feb 16 15:23:40 aksharanittala faasd[6180]: Starting: queue-worker
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Created conta
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 queue-worker h
```

```
Activities Terminal Feb 16 15:32
aksharanittala@aksharanittala: ~/faasd

-- Logs begin at Thu 2023-02-16 15:09:08 PST, end at Thu 2023-02-16 15:31:44 P
Feb 16 15:23:35 aksharanittala faasd[6180]: 2023/02/16 15:23:35 - gateway
Feb 16 15:23:35 aksharanittala faasd[6180]: 2023/02/16 15:23:35 - queue-worker
Feb 16 15:23:35 aksharanittala faasd[6180]: Starting: basic-auth-plugin
Feb 16 15:23:35 aksharanittala faasd[6180]: 2023/02/16 15:23:35 Created conta
Feb 16 15:23:37 aksharanittala faasd[6180]: 2023/02/16 15:23:37 basic-auth-plu
Feb 16 15:23:37 aksharanittala faasd[6180]: 2023/02/16 15:23:37 Task: basic-au
Feb 16 15:23:37 aksharanittala faasd[6180]: Starting: nats
Feb 16 15:23:37 aksharanittala faasd[6180]: Creating local directory: /var/lib
Feb 16 15:23:37 aksharanittala faasd[6180]: 2023/02/16 15:23:37 Running nats w
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 Created conta
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 nats has IP: 1
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 Task: nats
Feb 16 15:23:38 aksharanittala faasd[6180]: Starting: prometheus
Feb 16 15:23:38 aksharanittala faasd[6180]: Creating local directory: /var/lib
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 Running promet
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 Created conta
Feb 16 15:23:39 aksharanittala faasd[6180]: 2023/02/16 15:23:39 prometheus has
Feb 16 15:23:39 aksharanittala faasd[6180]: 2023/02/16 15:23:39 Task: promethe
Feb 16 15:23:39 aksharanittala faasd[6180]: Starting: gateway
Feb 16 15:23:39 aksharanittala faasd[6180]: 2023/02/16 15:23:39 Created conta
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 gateway has IP
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Task: gateway
Feb 16 15:23:40 aksharanittala faasd[6180]: Starting: queue-worker
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Created conta
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 queue-worker h
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Task: queue-wo
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Supervisor ini
lines 1-28
```



```
Activities Terminal Feb 16 15:32
aksharanittala@aksharanittala: ~/faasd

Feb 16 15:23:37 aksharanittala faasd[6180]: 2023/02/16 15:23:37 Running nats w>
Feb 16 15:23:37 aksharanittala faasd[6180]: 2023/02/16 15:23:37 Created contain>
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 nats has IP: 1>
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 Task: nats >
Feb 16 15:23:38 aksharanittala faasd[6180]: Starting: prometheus
Feb 16 15:23:38 aksharanittala faasd[6180]: Creating local directory: /var/lib>
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 Running promet>
Feb 16 15:23:38 aksharanittala faasd[6180]: 2023/02/16 15:23:38 Created contain>
Feb 16 15:23:39 aksharanittala faasd[6180]: 2023/02/16 15:23:39 prometheus has>
Feb 16 15:23:39 aksharanittala faasd[6180]: 2023/02/16 15:23:39 Task: promethe>
Feb 16 15:23:39 aksharanittala faasd[6180]: Starting: gateway
Feb 16 15:23:39 aksharanittala faasd[6180]: 2023/02/16 15:23:39 Created contain>
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 gateway has IP>
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Task: gateway >
Feb 16 15:23:40 aksharanittala faasd[6180]: Starting: queue-worker
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Created contain>
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 queue-worker h>
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Task: queue-wo>
Feb 16 15:23:40 aksharanittala faasd[6180]: 2023/02/16 15:23:40 Supervisor ini>

aksharanittala@aksharanittala:~/faasd$ sudo journalctl -u faasd-provider --line
s 40
-- Logs begin at Thu 2023-02-16 15:09:08 PST, end at Thu 2023-02-16 15:32:34 P>
Feb 16 15:22:53 aksharanittala systemd[1]: Started faasd-provider.
Feb 16 15:22:53 aksharanittala faasd[6173]: 2023/02/16 15:22:53 faasd-provider>
Feb 16 15:22:53 aksharanittala faasd[6173]: faasd version: 0.16.8-rc1 c>
Feb 16 15:22:53 aksharanittala faasd[6173]: 2023/02/16 15:22:53 Writing networ>
Feb 16 15:22:53 aksharanittala faasd[6173]: 2023/02/16 15:22:53 Listening on T>
lines 1-6/6 (END)
```

```
Activities Terminal Feb 16 15:34
aksharanittala@aksharanittala: ~/faasd

$ Rhythmbox
-- Logs begin at Thu 2023-02-16 15:09:08 PST, end at Thu 2023-02-16 15:32:34 P>
Feb 16 15:22:53 aksharanittala systemd[1]: Started faasd-provider.
Feb 16 15:22:53 aksharanittala faasd[6173]: 2023/02/16 15:22:53 faasd-provider>
Feb 16 15:22:53 aksharanittala faasd[6173]: faasd version: 0.16.8-rc1 c>
Feb 16 15:22:53 aksharanittala faasd[6173]: 2023/02/16 15:22:53 Writing networ>
Feb 16 15:22:53 aksharanittala faasd[6173]: 2023/02/16 15:22:53 Listening on T>

aksharanittala@aksharanittala:~/faasd$ sudo journalctl -t default:gateway --lin
es 40
-- Logs begin at Thu 2023-02-16 15:09:08 PST, end at Thu 2023-02-16 15:33:55 P>
-- No entries --

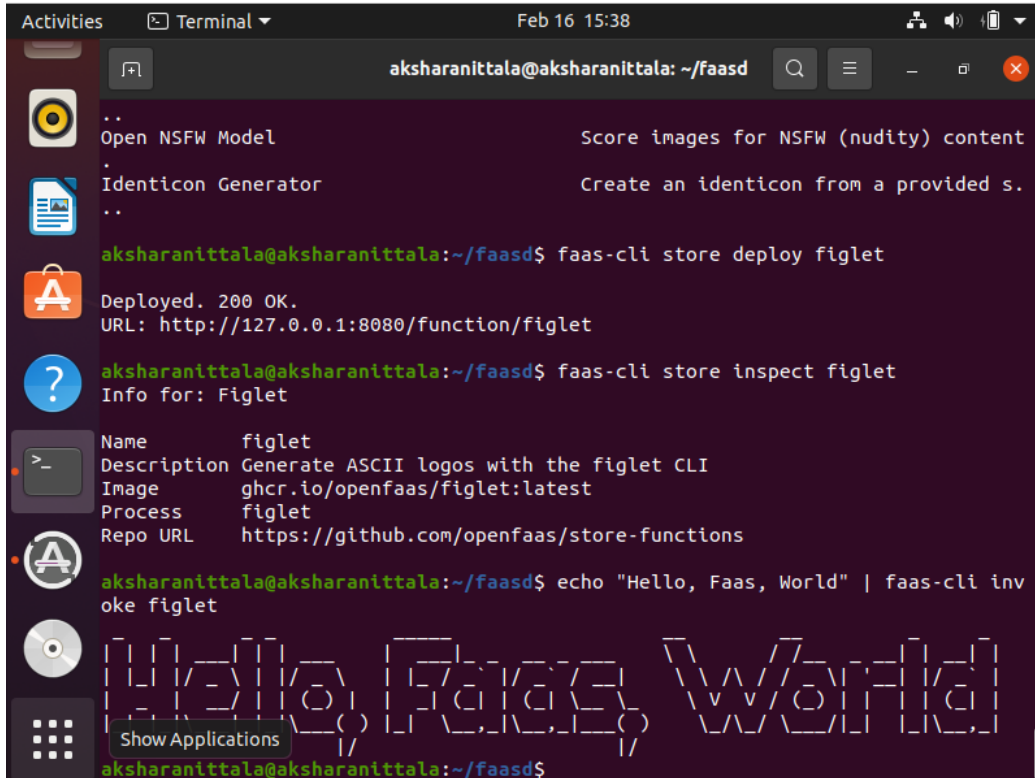
aksharanittala@aksharanittala:~/faasd$ sudo journalctl -t default:nats --lines
40
-- Logs begin at Thu 2023-02-16 15:09:08 PST, end at Thu 2023-02-16 15:34:10 P>
-- No entries --

aksharanittala@aksharanittala:~/faasd$ sudo journalctl -t default:queue-worker
--lines 40
-- Logs begin at Thu 2023-02-16 15:09:08 PST, end at Thu 2023-02-16 15:34:28 P>
-- No entries --

aksharanittala@aksharanittala:~/faasd$ sudo journalctl -t default:prometheus --
lines 40
-- Logs begin at Thu 2023-02-16 15:09:08 PST, end at Thu 2023-02-16 15:34:43 P>
-- No entries --

aksharanittala@aksharanittala:~/faasd$
```

Step 4: Trying out a function from the store:



A terminal window titled 'aksharanittala@aksharanittala: ~/faasd' showing the following commands and output:

```
..
Open NSFW Model                Score images for NSFW (nudity) content
.
Identicon Generator            Create an identicon from a provided s.
..

aksharanittala@aksharanittala:~/faasd$ faas-cli store deploy figlet

Deployed. 200 OK.
URL: http://127.0.0.1:8080/function/figlet

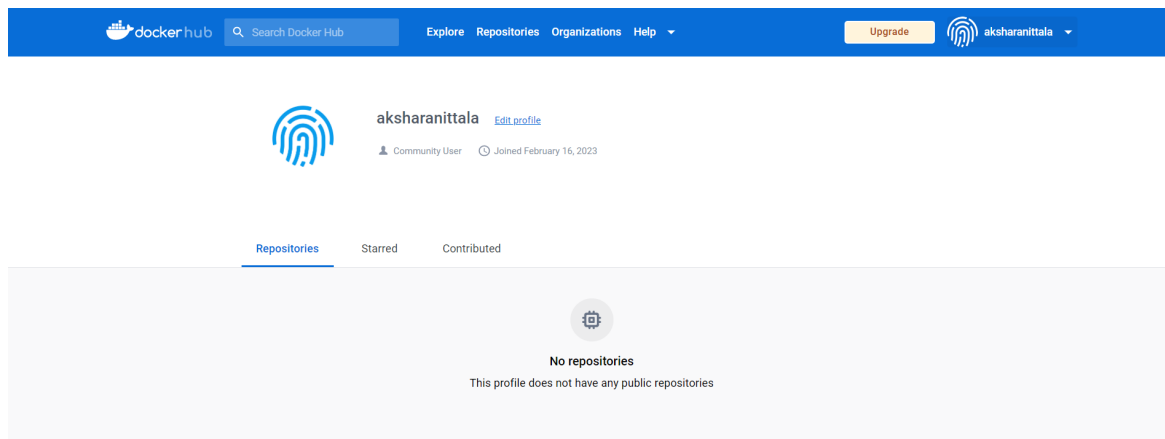
aksharanittala@aksharanittala:~/faasd$ faas-cli store inspect figlet
Info for: Figlet

Name      figlet
Description Generate ASCII logos with the figlet CLI
Image     ghcr.io/openfaas/figlet:latest
Process   figlet
Repo URL  https://github.com/openfaas/store-functions

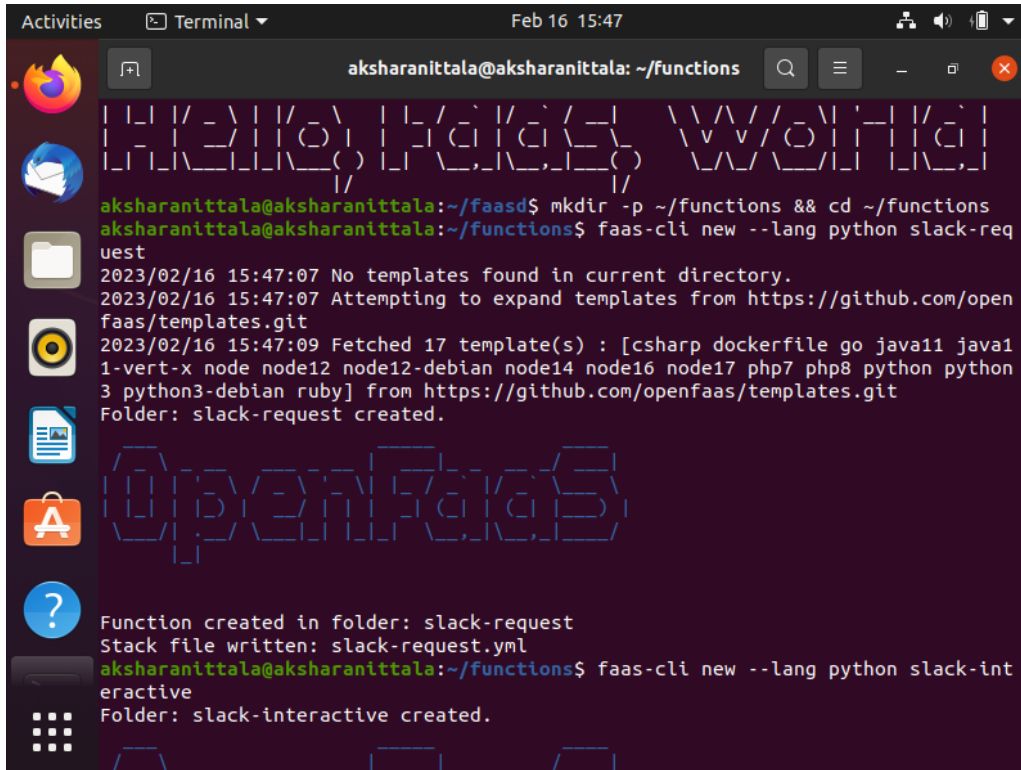
aksharanittala@aksharanittala:~/faasd$ echo "Hello, Faas, World" | faas-cli invoke figlet

Hello, Faas, World
Show Applications
aksharanittala@aksharanittala:~/faasd$
```

Step 5: Signing up for Docker Hub:



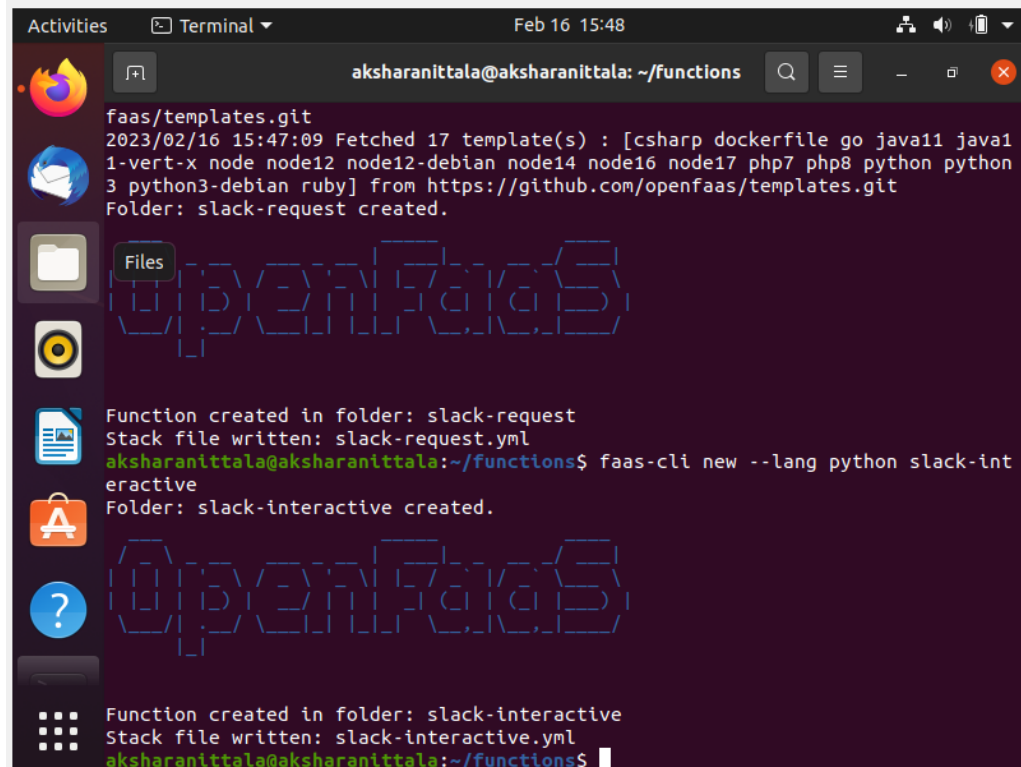
Step 6: Writing your own function



A terminal window titled 'aksharanittala@aksharanittala: ~/functions' showing the following commands and output:

```
aksharanittala@aksharanittala:~/faasd$ mkdir -p ~/functions && cd ~/functions
aksharanittala@aksharanittala:~/functions$ faas-cli new --lang python slack-request
2023/02/16 15:47:07 No templates found in current directory.
2023/02/16 15:47:07 Attempting to expand templates from https://github.com/openfaas/templates.git
2023/02/16 15:47:09 Fetched 17 template(s) : [csharp dockerfile go java11 java1
1-vert-x node node12 node12-debian node14 node16 node17 php7 php8 python python
3 python3-debian ruby] from https://github.com/openfaas/templates.git
Folder: slack-request created.

Function created in folder: slack-request
Stack file written: slack-request.yml
aksharanittala@aksharanittala:~/functions$ faas-cli new --lang python slack-int
eractive
Folder: slack-interactive created.
```

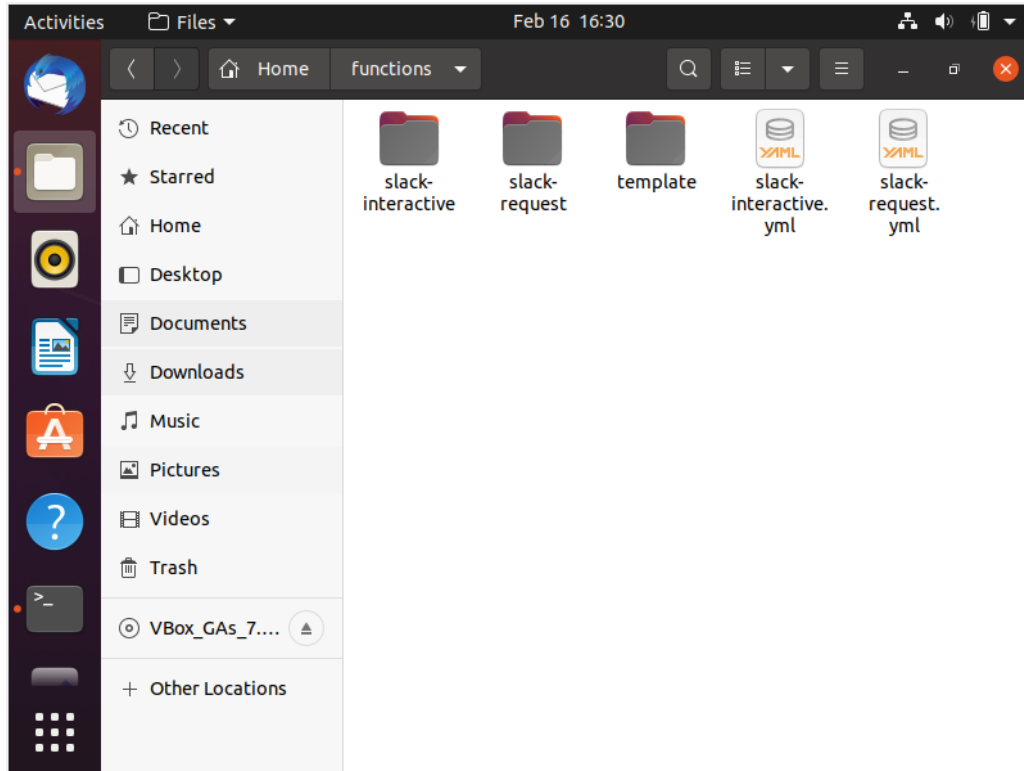


A terminal window titled 'aksharanittala@aksharanittala: ~/functions' showing the following commands and output:

```
faas/templates.git
2023/02/16 15:47:09 Fetched 17 template(s) : [csharp dockerfile go java11 java1
1-vert-x node node12 node12-debian node14 node16 node17 php7 php8 python python
3 python3-debian ruby] from https://github.com/openfaas/templates.git
Folder: slack-request created.

Function created in folder: slack-request
Stack file written: slack-request.yml
aksharanittala@aksharanittala:~/functions$ faas-cli new --lang python slack-int
eractive
Folder: slack-interactive created.

Function created in folder: slack-interactive
Stack file written: slack-interactive.yml
aksharanittala@aksharanittala:~/functions$
```

Docker login:

```
Activities Terminal Feb 16 16:27
aksharanittala@aksharanittala: ~/functions
have a Docker ID, head over to https://hub.docker.com to create one.
Username: aksharanittala
Password:
Got permission denied while trying to connect to the Docker daemon socket at un
ix:///var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/auth":
dial unix /var/run/docker.sock: connect: permission denied
aksharanittala@aksharanittala:~/functions$ sudo usermod -a -G docker jenkins
[sudo] password for aksharanittala:
usermod: user 'jenkins' does not exist
aksharanittala@aksharanittala:~/functions$ sudo usermod -a -G docker aksharanit
tala
aksharanittala@aksharanittala:~/functions$ grep doctor /etc/group
aksharanittala@aksharanittala:~/functions$ sudo usermod -a -G docker aksharanit
tala
aksharanittala@aksharanittala:~/functions$ grep docker /etc/group
docker:x:134:aksharanittala
aksharanittala@aksharanittala:~/functions$ newgrp docker
aksharanittala@aksharanittala:~/functions$ docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't
have a Docker ID, head over to https://hub.docker.com to create one.
Username: aksharanittala
Password:
WARNING! Your password will be stored unencrypted in /home/aksharanittala/.dock
er/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
aksharanittala@aksharanittala:~/functions$
```

Deploying Slack-interactive and Slack-request functions:

1. Slack-interactive build, push and deploy:

```
Activities Terminal Feb 16 16:39
aksharanittala@aksharanittala: ~/functions
---> 9d24e7de15e9
Step 27/31 : USER app
---> Running in 979a75066edb
Removing intermediate container 979a75066edb
---> 4ef323d06ef7
Step 28/31 : ENV fprocess="python index.py"
---> Running in 4e5512ad1244
Removing intermediate container 4e5512ad1244
---> 2dba838b3b88
Step 29/31 : EXPOSE 8080
---> Running in fac28ce1fda7
Removing intermediate container fac28ce1fda7
---> 2326fd24bdf2
Step 30/31 : HEALTHCHECK --interval=3s CMD [ -e /tmp/.lock ] || exit 1
---> Running in 477d310e9768
Removing intermediate container 477d310e9768
---> ba878d4f748f
Step 31/31 : CMD ["fwatchdog"]
---> Running in eb4e8b657f9d
Removing intermediate container eb4e8b657f9d
---> 0a5c726aac55
Successfully built 0a5c726aac55
Successfully tagged aksharanittala/slack-interactive:latest
Image: aksharanittala/slack-interactive:latest built.
[0] < Building slack-interactive done in 38.88s.
[0] Worker done.

Total build time: 38.88s
aksharanittala@aksharanittala:~/functions$
```

```
Activities Terminal Feb 16 16:40
aksharanittala@aksharanittala: ~/functions
[0] Worker done.

Total build time: 38.88s
aksharanittala@aksharanittala:~/functions$ faas-cli push -f ./slack-interactive
.yml
[0] > Pushing slack-interactive [aksharanittala/slack-interactive:latest]
The push refers to repository [docker.io/aksharanittala/slack-interactive]
668c96ba02a7: Pushed
d3c8827f8c8f: Pushed
2d1f08f4c191: Pushed
4c249c0ccb43: Pushed
a269b6a4d0b6: Pushed
c4eef2e34108: Pushed
9c6bdf64243f: Pushed
0ab784100b77: Pushed
c6b037466cbc: Pushed
7d9fae9bd702: Pushed
a430f263b8db: Pushed
b0d587e82ec4: Pushed
4ae69cea7d0b: Pushed
879c0d8666e3: Mounted from library/python
20a7b70bdf2f: Mounted from library/python
3fc750b41be7: Mounted from library/python
beee9f30bc1f: Mounted from library/python
latest: digest: sha256:31eb5ae86fb53687cd817d22d72942dc297b973fdd60939433bffa3c
8fb45cec size: 4074
[0] < Pushing slack-interactive [aksharanittala/slack-interactive:latest] done.
[0] Worker done.
aksharanittala@aksharanittala:~/functions$
```

```
Activities Terminal Feb 16 16:41
aksharanittala@aksharanittala: ~/functions

668c96ba02a7: Pushed
d3c8827f8c8f: Pushed
2d1f08f4c191: Pushed
4c249c0ccb43: Pushed
a269b6a4d0b6: Pushed
c4eef2e34108: Pushed
9c6bdf64243f: Pushed
0ab784100b77: Pushed
c6b037466cbc: Pushed
7d9fae9bd702: Pushed
a430f263b8db: Pushed
b0d587e82ec4: Pushed
4ae69cea7d0b: Pushed
879c0d8666e3: Mounted from library/python
20a7b70bdf2f: Mounted from library/python
3fc750b41be7: Mounted from library/python
beee9f30bc1f: Mounted from library/python
latest: digest: sha256:31eb5ae86fb53687cd817d22d72942dc297b973fdd60939433bffa3c
8fb45cec size: 4074
[0] < Pushing slack-interactive [aksharanittala/slack-interactive:latest] done.
[0] Worker done.
aksharanittala@aksharanittala:~/functions$ faas-cli deploy -f ./slack-interacti
ve.yml
Deploying: slack-interactive.

Deployed. 200 OK.
URL: http://127.0.0.1:8080/function/slack-interactive
aksharanittala@aksharanittala:~/functions$
```

2. Slack-request build, push and deploy:

```
Activities Terminal Feb 16 16:42
aksharanittala@aksharanittala: ~/functions

---> 4a85dfdbd436
Step 27/31 : USER app
---> Running in ffee8ef3315
Removing intermediate container ffee8ef3315
---> 163622aefd87
Step 28/31 : ENV fprocess="python index.py"
---> Running in c7d2faee38b1
Removing intermediate container c7d2faee38b1
---> 53670827d7ef
Step 29/31 : EXPOSE 8080
---> Running in f037b753ef14
Removing intermediate container f037b753ef14
---> bed7cef916ee
Step 30/31 : HEALTHCHECK --interval=3s CMD [ -e /tmp/.lock ] || exit 1
---> Running in a1c7d20bc0da
Removing intermediate container a1c7d20bc0da
---> a2665b7cedc3
Step 31/31 : CMD ["fwatchdog"]
---> Running in 5fde03b519b6
Removing intermediate container 5fde03b519b6
---> 5f72e612748c
Successfully built 5f72e612748c
Successfully tagged aksharanittala/slack-request:latest
Image: aksharanittala/slack-request:latest built.
[0] < Building slack-request done in 6.11s.
[0] Worker done.

Total build time: 6.11s
aksharanittala@aksharanittala:~/functions$
```

```
Activities Terminal Feb 16 16:44
aksharanittala@aksharanittala: ~/functions

[0] < Building slack-request done in 6.11s.
[0] Worker done.

Total build time: 6.11s
aksharanittala@aksharanittala:~/functions$ faas-cli push -f ./slack-request.yml
[0] > Pushing slack-request [aksharanittala/slack-request:latest]
The push refers to repository [docker.io/aksharanittala/slack-request]
761a7e73a487: Pushed
4ce384ec75ae: Pushed
2d1f08f4c191: Mounted from aksharanittala/slack-interactive
4c249c0ccb43: Mounted from aksharanittala/slack-interactive
a269b6a4d0b6: Mounted from aksharanittala/slack-interactive
c4eef2e34108: Mounted from aksharanittala/slack-interactive
9c6bdf64243f: Mounted from aksharanittala/slack-interactive
0ab784100b77: Mounted from aksharanittala/slack-interactive
c6b037466cbc: Mounted from aksharanittala/slack-interactive
7d9fae9bd702: Mounted from aksharanittala/slack-interactive
a430f263b8db: Mounted from aksharanittala/slack-interactive
b0d587e82ec4: Mounted from aksharanittala/slack-interactive
4ae69cea7d0b: Mounted from aksharanittala/slack-interactive
879c0d8666e3: Mounted from aksharanittala/slack-interactive
20a7b70bdf2f: Mounted from aksharanittala/slack-interactive
3fc750b41be7: Mounted from aksharanittala/slack-interactive
beee9f30bc1f: Mounted from aksharanittala/slack-interactive
latest: digest: sha256:156a26cb8e3f983105dc9dde7635ab527fea82e04d06693ecac86bed
2dbcdf7d size: 4074
[0] < Pushing slack-request [aksharanittala/slack-request:latest] done.
[0] Worker done.
aksharanittala@aksharanittala:~/functions$
```

```
Activities Terminal Feb 16 16:44
aksharanittala@aksharanittala: ~/functions

761a7e73a487: Pushed
4ce384ec75ae: Pushed
2d1f08f4c191: Mounted from aksharanittala/slack-interactive
4c249c0ccb43: Mounted from aksharanittala/slack-interactive
a269b6a4d0b6: Mounted from aksharanittala/slack-interactive
c4eef2e34108: Mounted from aksharanittala/slack-interactive
9c6bdf64243f: Mounted from aksharanittala/slack-interactive
0ab784100b77: Mounted from aksharanittala/slack-interactive
c6b037466cbc: Mounted from aksharanittala/slack-interactive
7d9fae9bd702: Mounted from aksharanittala/slack-interactive
a430f263b8db: Mounted from aksharanittala/slack-interactive
b0d587e82ec4: Mounted from aksharanittala/slack-interactive
4ae69cea7d0b: Mounted from aksharanittala/slack-interactive
879c0d8666e3: Mounted from aksharanittala/slack-interactive
20a7b70bdf2f: Mounted from aksharanittala/slack-interactive
3fc750b41be7: Mounted from aksharanittala/slack-interactive
beee9f30bc1f: Mounted from aksharanittala/slack-interactive
latest: digest: sha256:156a26cb8e3f983105dc9dde7635ab527fea82e04d06693ecac86bed
2dbcdf7d size: 4074
[0] < Pushing slack-request [aksharanittala/slack-request:latest] done.
[0] Worker done.
aksharanittala@aksharanittala:~/functions$ faas-cli deploy -f ./slack-request.y
ml
Deploying: slack-request.

Deployed. 200 OK.
URL: http://127.0.0.1:8080/function/slack-request
aksharanittala@aksharanittala:~/functions$
```