

Cloud Computing HW 2 Answers

1. What is the command to invoke the slack-request function ?

a. Via Curl

```
curl localhost:8080/function/slack-request -d
```

b. Via faas-cli

```
faas-cli invoke slack-request
```

(No request body is required here)

2. What is the output you see when you invoke the slack-request function?

The output is a json response containing the following content:

```
{
  "text": "Serverless Message",
  "attachments": [
    {
      "fields": [
        {
          "short": true,
          "value": "100",
          "title": "Amazing Level"
        }
      ],
      "author_icon": "",
      "image_url": "https://avatars.githubusercontent.com/u/81531516?s=400&u=de6c8ba999f3bb816b70cef6cb43df70e155efc3&v=4",
      "author_name": "Arthi",
      "title": "The Awesome world of Cloud Computing! COEN 241"
    },
    {
      "text": "COEN 241 is the most awesome class ever!.",
      "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"
  }
]
}

```

3. What is the command to invoke the slack-interactive function?

a. Via curl

```
curl localhost:8080/function/slack-interactive -d {}
```

b. Via faas-cli

```
faas-cli invoke slack-interactive
```

4. What is the output you see when you invoke the slack-interactive function?

The output is a json response containing the following content:

```

{
  "attachments": [
    {
      "footer": "Slack Apps built on OpenFaas",
      "author_link": "https://github.com/Arthi-K",
      "color": "#36a64f",
      "text": "Head over to COEN 241",
      "title": "COEN 241",
      "ts": 123456789,
      "author_name": "Arthi",
      "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-amp-photography/visual-identity-toolkit/logos-amp-seals/Mission-Dont3.png",
      "response_type": "ephemeral",
      "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 plain-text 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/u/81531516?s=400&u=de6c8ba999f3bb816b70cef6cb43df70e155efc3&v=4"
    }
  ]
}

```

5. How would you pass different arguments to the functions?

There are many different ways in which this could be done:

- Using the YML file : The arguments in the YML file can be modified according to our requirements. For example, the environment, lang and content-type can be changed suited to our needs.
- Using -d curl input : In the slack request, we were not required to pass any request body whereas in slack interactive function, we gave an empty json as request body. Thus, -d can be used to provide different arguments to the functions.

6. How would you change the slack-interactive function to react to different inputs?

- Parse the file from the incoming json file.
- The button can be made to respond differently according to the input from the json data in the slack interactive function. We can set different values to the button and make it react to the different inputs.