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COEN 241

HW 2 Report

For this homework I went through the assigned tasks of deploying figlet and slack-interactive and slack-request functions. On my macbook I used virtualbox to virtualize an Ubuntu instance and completed the homework within Ubuntu.

Here are the relevant screenshots for this homework.

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Fig 1: invoking figlet

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Fig 2: sudo journalctl -u faasd –lines 40

Graphical user interface, text, application, email

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Fig 3: openfaas gateway after deploying three functions

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Fig 4: invoking slack-interactive via curl and faas-cli

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Fig 5: invoking slack-request via curl and faas-cli

QUESTIONS

1. Invoke slack-request via curl and via faas-cli
   1. curl localhost:8080/function/slack-request -d “test”
   2. echo “test” | faas-cli invoke slack-request
2. When I invoke slack-request I see output in figure 5 above.
3. Invoke slack-interactive via curl and via faas-cli
   1. curl localhost:8080/function/slack-interactive -d ‘{“Hello”: “COEN 241”}’
   2. echo ‘{“Hello”: “COEN 241”}’ | faas-cli invoke slack-interactive
4. When I invoke slack-interactive I see the output in figure 4 above.
5. I would pass different arguments to the functions by changing the data passed with curl via -d option, or by changing the echo text that is specified when using faas-cli.
6. I would change slack-interactive to react to different inputs by incorporating the input ‘req’ or ‘urlstring’ into the ‘data’ or ‘attachments’ components that are returned as json.dumps(data) by the slack-interactive function.

EXTRA CREDIT

Graphical user interface, application, Teams

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Fig 6: slack-request and slack-interactive implemented as slash command, interactive component

Application url (I used ngrok within Ubuntu): https://efcc-49-230-1-21.ngrok.io