

My April Fools Gift

Github + Twillio via AWS Lambda

About



def about

- After 6pm Rubyist
- Thinks about engineering systems and processes
- @ghosteathuman

end

Service
ROCKET

We are no stranger to love

'the idea'

I <3 my colleagues

上午10:55

@Afif How is JDK 11 being installed into the Jenkins node?



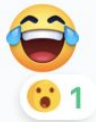
Afif Najib Sohaili

CD-ROM



I <3 my colleagues

Promote my Twitter too



Other Skills ?



Tech Puns · 3



Afif Sohaili 😊

@afifsohaili

Fullstack Developer at ServiceRocket. Creator of jemput.co. Slight bias towards frontend (for now). He/him

📍 Malaysia 🔗 afifsohaili.com 📅 Joined March 2017

Best gift for April Fools

AWS Lambda supports Ruby 2.7

AWS Lambda now supports Ruby 2.7

Posted On: Feb 19, 2020

You can now develop AWS Lambda functions using Ruby 2.7. This is the latest release of Ruby and supports new features like pattern matching, argument forwarding and numbered arguments. Lambda functions written in Ruby 2.7 run on [Amazon Linux 2](#), the latest generation of Amazon Linux. To learn more about the Ruby programming model and how to create AWS Lambda functions in Ruby 2.7, please click [here](#).

To get started, provide your code through the AWS Lambda console or CLI and select the Ruby 2.7 runtime. [AWS Serverless Application Model \(SAM\)](#) and [AWS CloudFormation](#) can also be used for deploying and managing your serverless applications authored in Ruby 2.7. To migrate existing AWS Lambda functions running in Ruby 2.5 to Ruby 2.7, update your code to be compatible with Ruby 2.7 and Amazon Linux 2, and edit the function to change the configured runtime to Ruby 2.7.

The Ruby 2.7 runtime is available in [all Regions where Lambda is available](#). Please visit our [product page](#) for more information about AWS Lambda or log in to the [AWS Lambda console](#) to get started.

Twilio

Github

You know the rules and so do I

'intro to AWS Lambda & Serverless'

AWS Lambda



- Event driven
- Function-as-a-Service

Serverless framework



**serverless
framework**

- Framework for event driven use cases
- Stitches services together
- Usable on other clouds too

Ruby on Serverless example

4 lines (4 sloc) | 113 Bytes

Raw

Blame

History



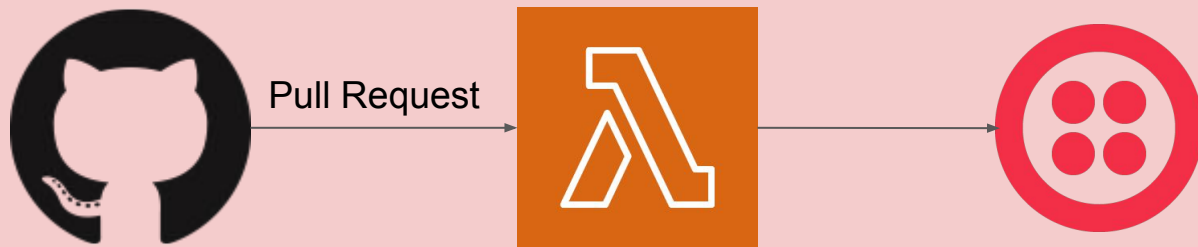
```
1 def endpoint(event:, context:)  
2   hash = {date: Time.new}  
3   { statusCode: 200, body: JSON.generate(hash) }  
4 end
```

<https://github.com/serverless/examples/tree/master/aws-ruby-simple-http-endpoint>

A full commitment is what I am
thinking off

'architecture diagram'

Architecture Diagram



Actual Code

47 lines (38 sloc) 1.35 KB

```
1  require 'json'
2  require 'net/http'
3
4  def webhook(event:, context:)
5    event_body_json = JSON.parse(event['body'])
6    puts 'GitHub Pull Request Event: ' + event_body_json['action']
7    if event_body_json['action'] == 'review_requested'
8
9      phone_book = {
10        # 'github-username' => 'phone number'
11      }
12
13      requested_reviewers = event_body_json['pull_request']['requested_reviewers']
14      requested_reviewers.each do |reviewers|
15        reviewer = reviewers['login']
16
17        uri_string = 'https://api.twilio.com/2010-04-01/Accounts/' + ENV['TWILIO_ACCOUNT_SID'] + '/Calls.json'
18
19        params = {
20          'Twiml' => '
21            <Response>
22              <Pause/>
23              <Say voice="alice">You have a new pull request in Github. Happy April\'s Fool</Say>
24              <Play>http://demo.twilio.com/docs/classic.mp3</Play>
25            </Response>',
26          'To' => phone_book[reviewer],
27          'From' => ENV['TWILIO_FROM_NO']
28        }
29
30        uri = URI.parse(uri_string)
31
32        request = Net::HTTP::Post.new(uri)
33        request.set_form_data(params)
34        request.basic_auth(ENV['TWILIO_ACCOUNT_SID'], ENV['TWILIO_AUTH_TOKEN'])
35
36        response = Net::HTTP.start(uri.hostname, uri.port, :use_ssl => true) do |http|
37          http.request(request)
38        end
39
40        puts 'Response Code: ' + response.code
41        puts 'Response Body: ' + response.body
42      end
43    end
44  {
45    statusCode: 200
46  }
47  end
```


You wouldn't get this from any other
guy

'result'

Hazeeeeeeem



Did I just got call from Alabama says you've got a PR from ServiceRocket, April fool's !!



你已回覆 Hazeeeeeeem

Did I just got call from Alabama says you've got a PR from ServiceRocket, April fool's !!

Happy April's Fools!



Uchiha Clan



huh, I didn't pick up.

월슨 🍄



Huh, I hung up

Uchiha Clan



was it you Guoy?

Y2K



I didn't pick up as well

你已回覆 Uchiha Clan

was it you Guoy?

Yup



I will leave it till end of the day. Feel free to listen to the call 😂

A Long PR Reviewer 🇲🇵

Anyone got the GitHub prank call?



So **annoying.**

你已回覆 A Long PR Reviewer

So annoying.



Opps, I am gonna close it boss



Hazeeeeeeeem 已回覆 A Long PR Reviewer

Anyone got the GitHub prank call?



Meee

A Long PR Reviewer 🇲🇵



GIF

Tenor GIF Keyboard



Suddenly working so hard got so many PRs

I just wanna tell you how I'm feeling

'what I learned'

What I ~~learned~~ didn't do / use

- Straightforward
- Didn't use Gems
- Didn't use Ruby 2.7 specific syntax
- Ruby on Jets might be better for more complex use case
 - more Rails like

Gotta make you understand

'questions & answer'

We're no strangers to love

You know the rules and so do I

A full commitment's what I'm thinking of

You wouldn't get this from any other guy

I just wanna tell you how I'm feeling

Gotta make you understand



References

- <https://aws.amazon.com/lambda/>
- <https://www.serverless.com/>
- <https://github.com/serverless/examples/tree/master/aws-ruby-simple-http-endpoint>
- <https://github.com/ghosteathuman/gentle-github-pr-notifier>

Thanks!