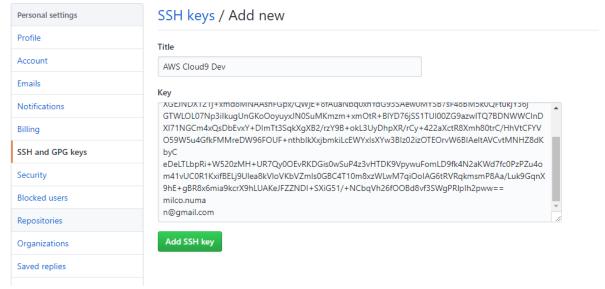
Guys don't want to commit!

- 1) Use your current account at twitter or register a new account
- 2) Register a new app on this Twitter account, you'll need:
 - a. Consumer key (API key)
 - b. Consumer secret (API secret)
 - c. Access token (generate)
 - d. Access token secret (generated with the access token)
- 3) Create a new empty repository in Github (note the URL)
- 4) Create a new empty repository on your Cloud9 instance (from a terminal window):

```
git init .
git remote add origin git@github.com:<your-github-username>/<Your-Github-
Reponame>
```

- 5) Generate a new keypair from your Cloud9 terminal window: ssh-keygen -t rsa -b 4096 -C "your-email-for-github"
- 6) Configure your git client by setting your identity for git (Cloud9, terminal window): git config --global user.name "User name to show in github" git config global user.email "your-github-email-here"
- 7) Now ad d the public key (~/.ssh/id_rsa.pub) you generated in step 6 to your Github account:



- 8) Create a new serverless application + function in Cloud9, type empty python 3.6, triggered by API Gateway on resource path /github, no security. Defaults apply.
- 9) Deploy the API to AWS to get an URL for the API from API gateway

10) Navigate to Github, add a new webhook to the repository you created for this purpose: mnuman / Github-webhook O Unwatch ▼ 1 ★ Star 0 Ÿ Fork 0 <> Code ! Issues 0 (1) Pull requests 0 III Projects 0 Wiki ılı Insights Settings Webhooks / Add webhook Options Collaborators We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in our developer Branches Webhooks Payload URL * Integrations & services https://lce95ng9sk.execute-api.eu-west-1.amazonaws.com/Stage/git/ Deploy keys Content type application/json Secret By default, we verify SSL certificates when delivering payloads Disable SSL verification Which events would you like to trigger this webhook? Just the push event.

- 11) Test from Github that the invoke works
- 12) Now commit your code from Cloud9's terminal window and push this to Github. This should trigger the actual lambda function.

We will deliver event details when this hook is triggered.

13) Verify in CloudWatch that your lambda function has been triggered and inspect the payload.

 Send me everything. Let me select individual events.

- 14) Change into your Application's directory using the Cloud9 terminal window and install the Twitter package here locally:
 - pip install tweepy -t .
- 15) Generate the requirements file and prevent the dependencies from being checked in by editing the .gitignore

```
milco:~/environment/GithubWebhook (master) $ pip freeze > requirements.txt
milco:~/environment/GithubWebhook (master) $ more .gitignore
.application.json
certifi/
chardet/
examples/
idna/
oauthlib/
requests/
requests_oauthlib/
tweepy/
urllib3/
milco:~/environment/GithubWebhook (master) $
```

16) Add the secrets/keys as configuration variables to your configuration template (the yaml template):

17) Finish the implementation code in Python:

- 18) Now deploy the API again, since the code has changed since last push.
- 19) Finish up by committing your changed code to Github
- 20) Now you should see a message on twitter:



Hi, Milco Numan just commited with message Take author/message from head_commit instead of commits array!

