Cómo construir un bot para Slack

@davsket

https://github.com/davsket/slack-botexperiment

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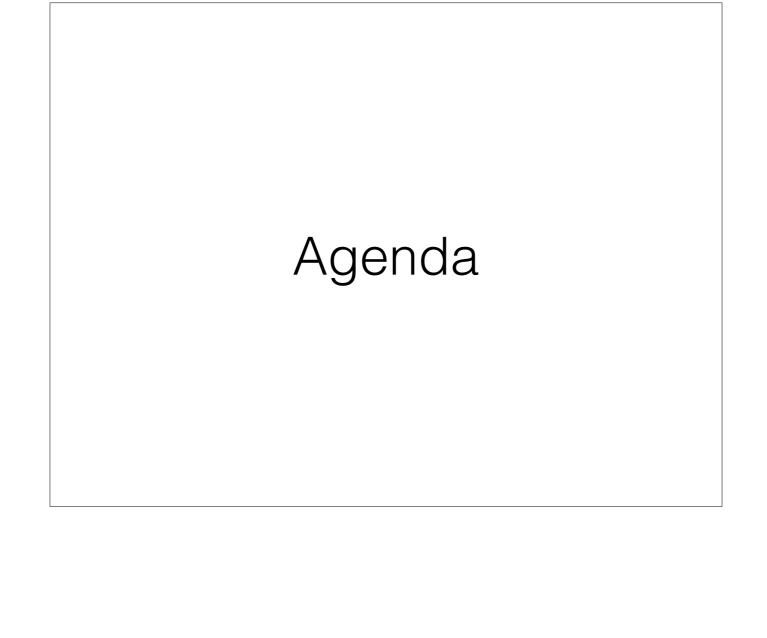
- Soy Tauro

- Me gusta correr en la playa
 Tengo un hijo (el de la foto)
 En serio me gusta mucho correr
- Me gusta compartir lo que se

Cómo construir un Servidor y Bot de Memes para Slack

@davsket



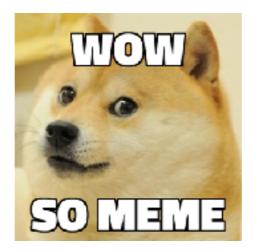


Agenda

- ¿Qué vamos a hacer? v2
- ¿Qué necesitamos? v2
- JUST DO IT!!! step++ v2
- Momento philosoraptor v2



¿Qué vamos a hacer?



¿Qué necesitamos?

¿Qué necesitamos?

- promesas (yup, de nuevo)
- como funciona slack (APIs)
- CommonJS (require)
- variables de entorno
- node / express (básico) *
- request *
- heroku o now o ngrok *
- servicio de memes !!!!

Promises

```
var p = new Promise((resolve, reject) => { resolve(5) })
p.then(num => console.log(num)) // 5
p.then(num => num * 5)
   .then(num => console.log(num)) // 25
```

- Solo se puede resolver o rechazar una vez
- De ahí en adelante puedes preguntar cuantas veces sea el resultado
- Si una función retorna un valor, el siguiente then obtiene el valor de esta
- para request y otros asyncs...

Slack Apps

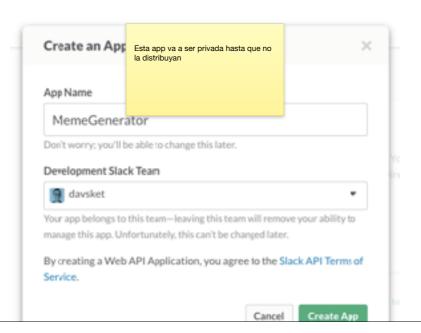
- ya existen muchas apps
- si creas una propia puedes:
 - recibir comandos por medio de texto
 - `/elcomando argumento`
 - `@botname argumentos`
 - mandar respuestas (sync & async)
 - de texto plano
 - con attachments

Slack Bot

- App propia (para escuchar comandos slash con permisos)
- Incoming WebHooks (para mandar mensajes)

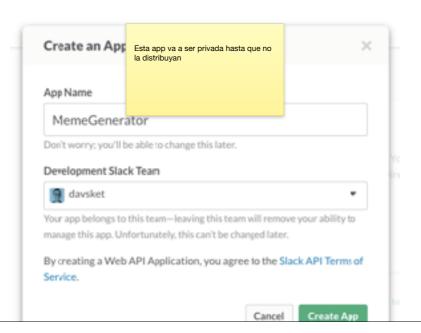
Crear App Propia

https://api.slack.com/apps?new_app=1



Crear App Propia

https://api.slack.com/apps?new_app=1



App Propia + Slash Cmds

Add features and functionality

Choose and configure the tools you'll need to create your app (or review all our documentation).

Incoming Webhooks

Post messages from external sources into Slack

Slash Commands

Allow users to perform app actions by typing commands in Slack.

Bot

Add a bot to allow users to exchange messages with your app.

Interactive Messages

Add buttons to your app's messages, and create an interactive experience for users.

Event Subscriptions

Make it easy for your app to respond to activity in Slack.

Permissions

Configure permissions to allow your app to interact with the Slack API.

App Propia + Slash Cmd

Create New Command

Unescaped: @user #gener	al	
Escape channels, use	ers, and links sent to your app	0
	Optionally list any parameters that can be passed.	
Usage Hint	/meme name / top text / boltom text	
Short Description	Creates Memes! ₩	
Reques: URL	https://davsket-meme.now.sh	()
Command	/meme	(1)

Slash Command

token=g]kuvaNzQIHg97ATvDxqcjt0

team_id=T0001

team_domain=example

channel_id=C2147483705

channel_name=test

user_id=U2147483697

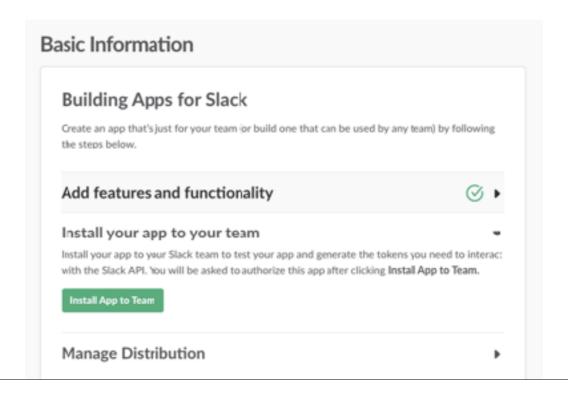
user_name=Steve

command:/weather

text=94670

response_url=https://hooks.slack.com/commands/1234/5678

App Propia + Add to Team

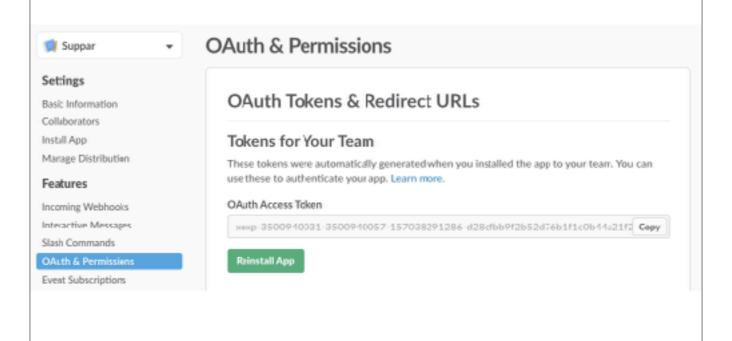


App Propia / Incoming Webhook vs Incoming Webhook App

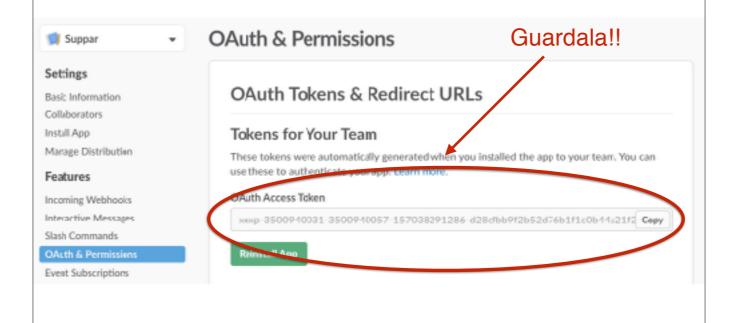




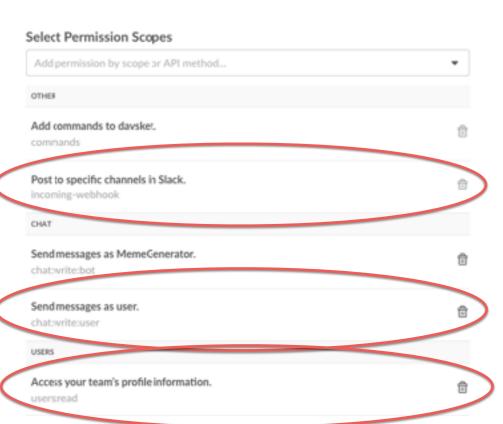
App Propia + Oauth



App Propia + Oauth

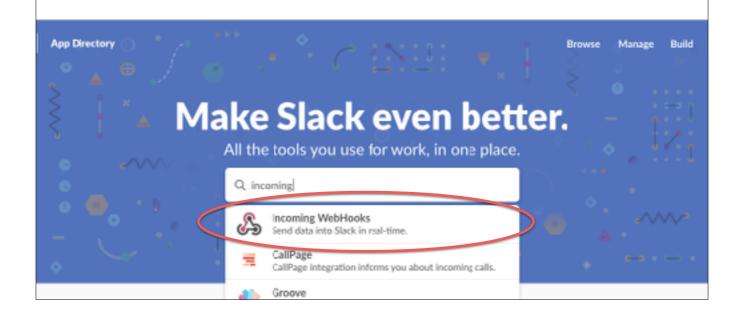


App Propia + Permisos



Incoming Webhook

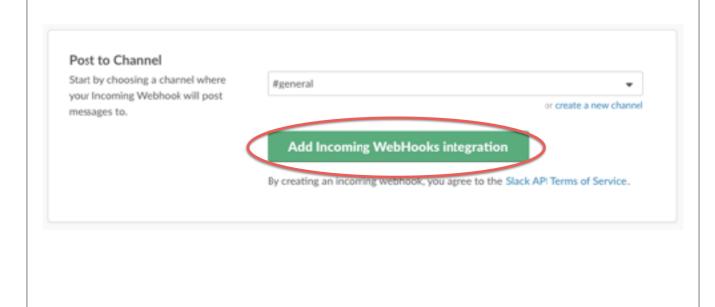
https://team.slack.com/apps



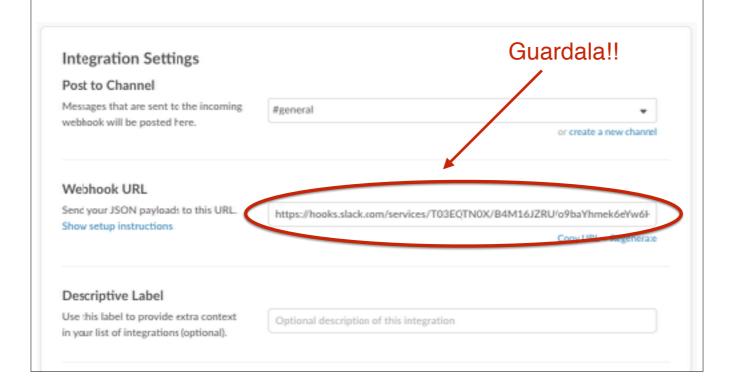
Incoming Webhook: add config



Incoming Webhook: addconfig



Incoming Webhook: URL







SOMEME

KEYS: 2

Webhook URL

Senc your JSON payloads to this URL. Show setup instructions

https://hooks.slack.com/services/T03EQTN0X/B4M16JZRU/o9baYhmek6eYw6F

Copy URL • Regenerate

OAuth Access Token

xoxp-3500940031-3500940057-157038291284-d28cfbb9f2b52d76b1f1c0b44a21f2 Copy

CommonJS

hi.js

index.js

module.exports = 'Hello World'

var hi = require('./hi')
console.log(hi)

```
→ commonjs node index.js
Hello World
→ commonjs
```

Variables de Entorno

```
    → commonjs export SLACK_WEBHOOK_URL="https://hooks.slack.com/services/blablabla"
    → commonjs echo $SLACK_WEBHOOK_URL
    https://hooks.slack.com/services/blablabla
    → commonjs
```

var url = process.env.SLACK_WEBHOOK_URL
console.log(url)

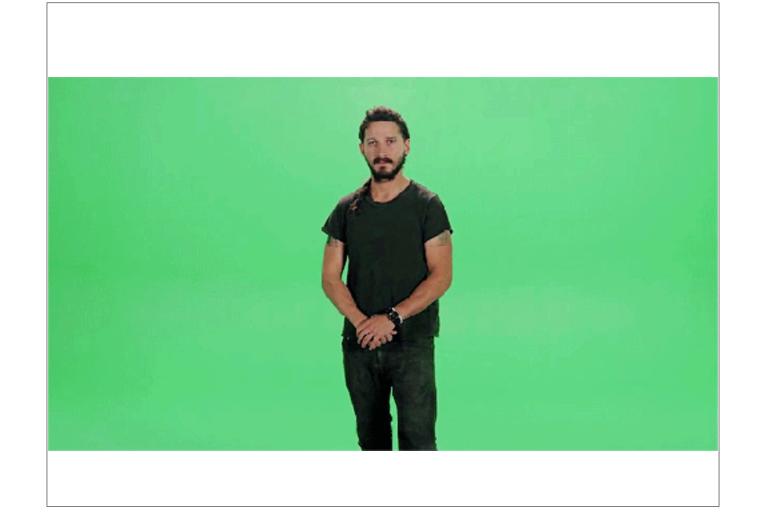
```
→ commonjs node index.js
https://hooks.slack.com/services/blablabla
→ commonjs SLACK_WEBHOOK_URL=yolo.com node index.js
yolo.com
→ commonjs
```

Servicio Memes

https://memegen.link

https://github.com/jacebrowning/memegen

https://memegen.link/api



1. Hacer módulo de Memes

2. Imprimir lista y meme de la lista

3. Exponer Pagina Web

4. Exponer Pagina Web pero **Bien**

5. Exponer Pagina Web pero **Cool**

6. Exponer Servicio tipo Bot

Slash Command

POST application/x-www-form-urlencoded

POST Body =

token=glkuvaNzQIHg97ATvDxqqjt0

team_id=T0001

team_donain=example
channel_id=C2147483705
channel_name=test
user_id=U2147483697
user_name=Steve
command=/weather
text=94670
response_url=https://hooks.slack.com/commands/1234/5678

Test con ngrok

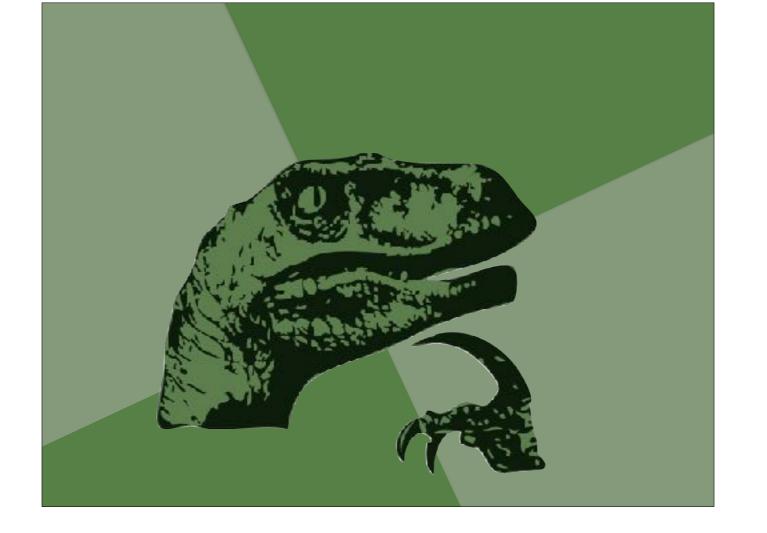
Hasta el momento...

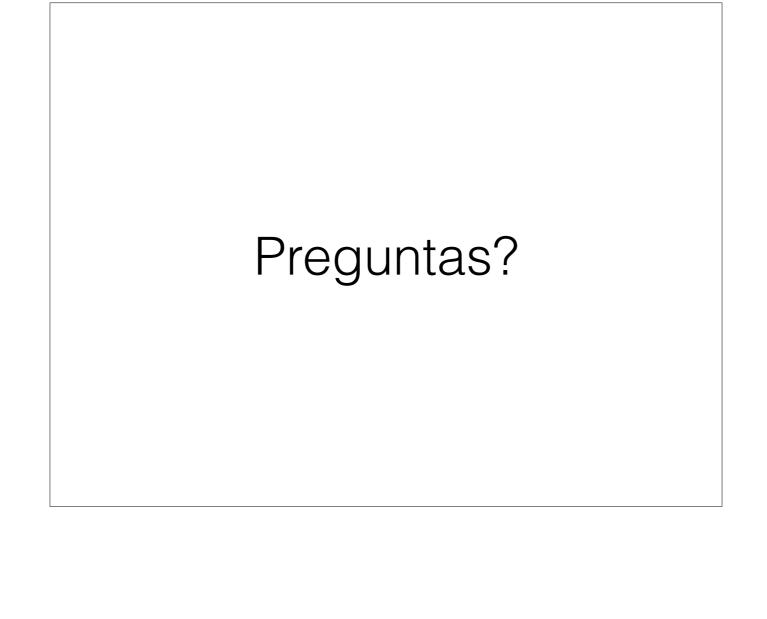


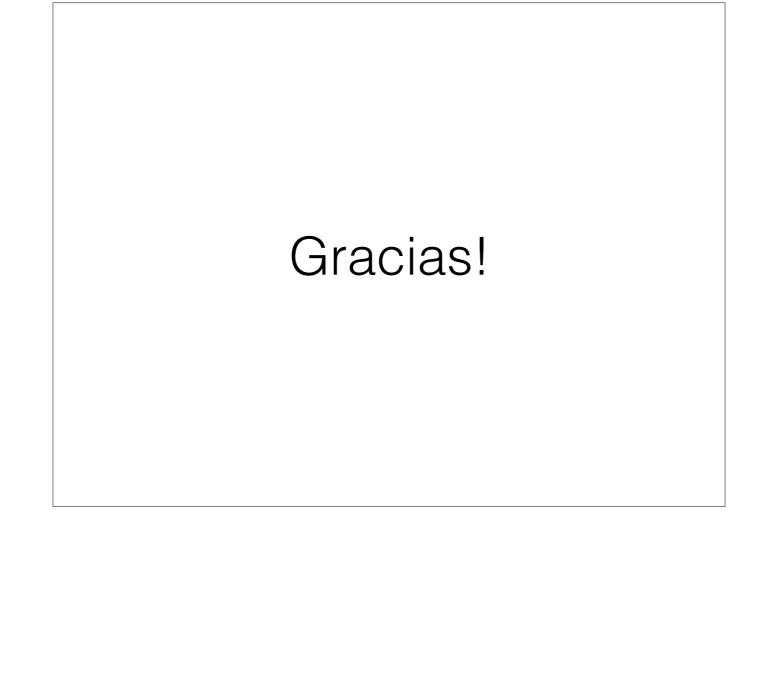
7. Exponer Servicio tipo Bot **Como Debe Ser**

7. Exponer Servicio tipo Bot Como Debe Ser

- Obtener info del usuario usando la llave del Oauth
- Enviar meme a Slack usando el Incoming Webhook







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