

A blurred background image featuring a yellow robot with blue joints and a blue speech bubble. The robot is positioned in the center, with its arms and legs visible. The speech bubble is located in the upper right corner. The overall image is out of focus, creating a soft, ethereal effect.

chatops

ChatOps, ~5 years ago

- Hubot open sourced by Github
- talk to bot -> trigger scripts
- DevOps + Chat = ChatOps

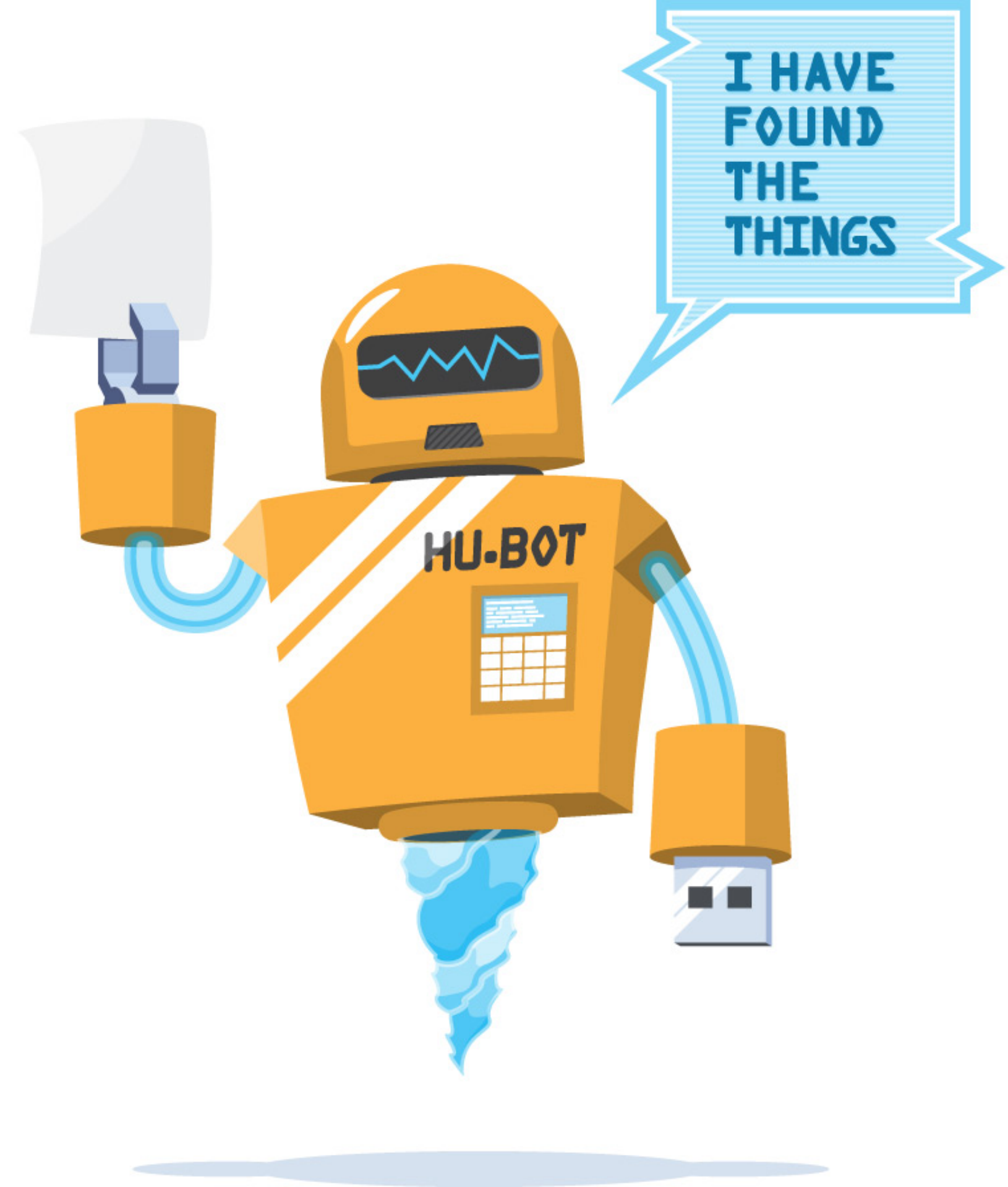
```
jonog> hubot deploy keno mobile api
```

```
...
```

```
hubot> deployed keno mobile api to development.keno.
```

```
...
```

```
jonog> hubot deploy keno web_qld_demo
```



ChatOps Benefits



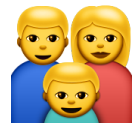
encourages automation



share scripts amongst team



accelerates learning



democratise devops



fun

ChatOps¹.

```
module.exports = (robot) ->

robot.respond (/pug bomb( (\d+))?>/i, (msg) ->
  count = msg.match[2] || 5
  msg.http("http://pugme.herokuapp.com/bomb?count=" + count)
    .get() (err, res, body) ->
    msg.send pug for pug in JSON.parse(body).pugs
```

¹ Requires demo.

Google Trends

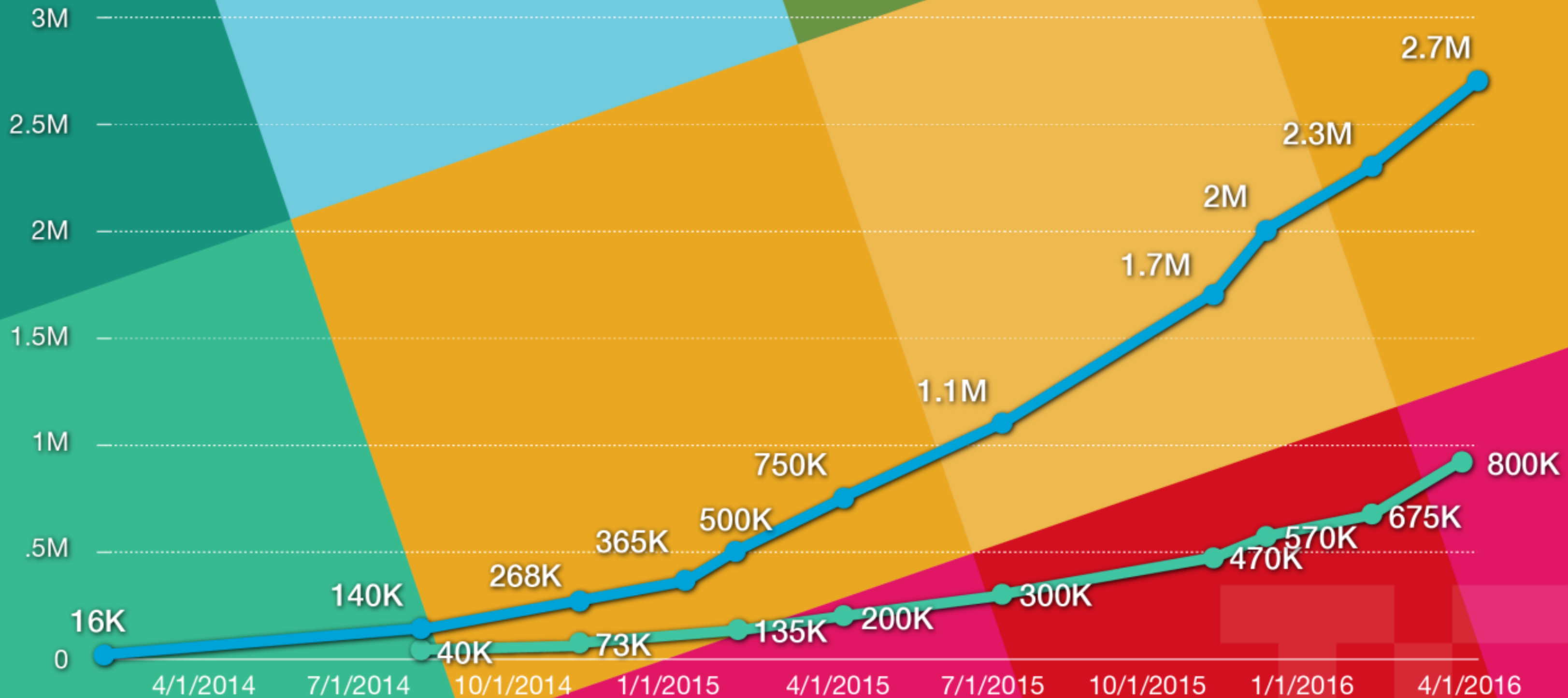
“chatops”






Daily Active Users

Paid Users



ChatOps, today

- things previously done by bots + scripting
 - now via integrations
- bots are smarter 
- relevance for us -> team efficiency

Chat today: integrations - what & why



Google
Analytics



Travis CI

loggly



OpsGenie



HOCKEYAPP



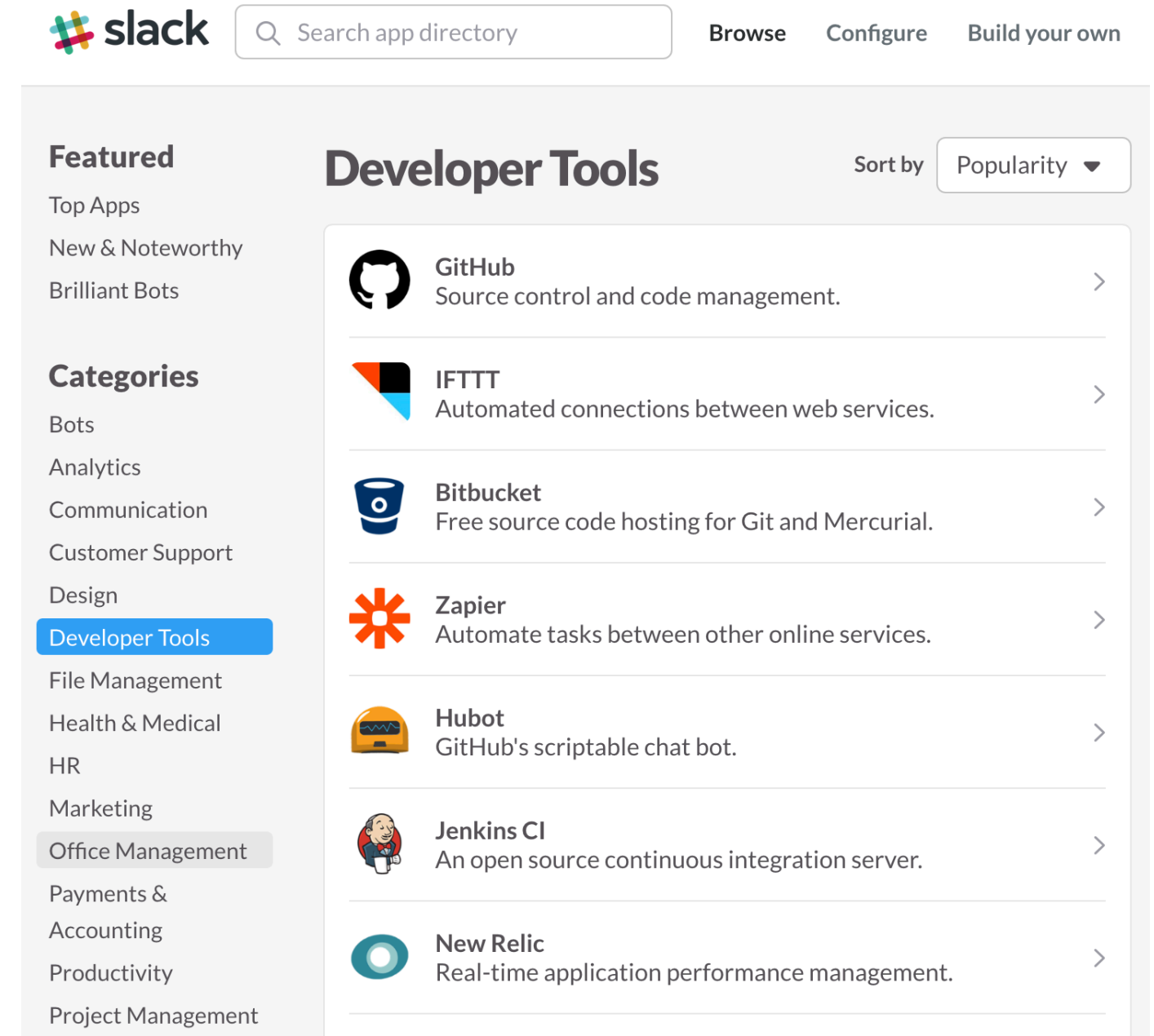
GitHub

splunk>

- make better use of SaaS tools
- feed in data and notifications

Chat today: integrations - how

- installs via App Directory
- webhooks (in, out)
- slash commands, APIs
- deeper integrations
 - buttons
 - cards
 - widgets



The screenshot shows the Slack App Directory interface. At the top, the Slack logo is on the left, followed by a search bar labeled 'Search app directory'. To the right of the search bar are links for 'Browse', 'Configure', and 'Build your own'. Below the search bar, the 'Featured' section lists 'Top Apps', 'New & Noteworthy', and 'Brilliant Bots'. The 'Categories' section on the left lists various app categories, with 'Developer Tools' highlighted in blue. The main content area, titled 'Developer Tools', shows a list of apps sorted by popularity. The apps listed are GitHub, IFTTT, Bitbucket, Zapier, Hubot, Jenkins CI, and New Relic, each with its logo, name, description, and a right-pointing arrow.

slack Search app directory Browse Configure Build your own

Featured
Top Apps
New & Noteworthy
Brilliant Bots

Categories
Bots
Analytics
Communication
Customer Support
Design
Developer Tools
File Management
Health & Medical
HR
Marketing
Office Management
Payments &
Accounting
Productivity
Project Management

Developer Tools Sort by Popularity ▼

- GitHub**
Source control and code management.
- IFTTT**
Automated connections between web services.
- Bitbucket**
Free source code hosting for Git and Mercurial.
- Zapier**
Automate tasks between other online services.
- Hubot**
GitHub's scriptable chat bot.
- Jenkins CI**
An open source continuous integration server.
- New Relic**
Real-time application performance management.

Chat today: bots - script execution

- script execution bots
 - pick language. e.g. Hubot (JS), Lita (ruby)
- experiments with Lita
 - github.com/TabDigital/chatops

Experiments



jonog 8:50 AM

boss mingle me keno_backend current iteration



boss BOT 8:50 AM

jonog:

```
#42 Scan ticket should post STT to gateway, return jurisdiction
#36 Game Complete (Single) Endpoint
#22 CAM Delegate (send to queue)
#19 Jackpot Notifications
#18 Win Notifications
#15 Notification Controls
#14 Venue Finder
#13 Winners
#12 History
```



jonog 8:43 AM

boss list instances mobile



boss BOT 8:43 AM

jonog:

```
name: mobile.keno
dns: ec2-52-63-35-38.ap-southeast-2.compute.amazonaws.com
type: t2.medium
launched: 20 days and 14 hours ago
```

Instances running: 1.



jonog 8:30 AM

list pipelines



boss BOT 8:30 AM

```
api-service-keno-main
api-service-keno-adapter-broadcast
```



jonog 8:30 AM

trigger pipeline test



boss BOT 8:30 AM

Unknown or unauthorised pipeline.



jonog 8:31 AM

trigger pipeline api-service-keno-main



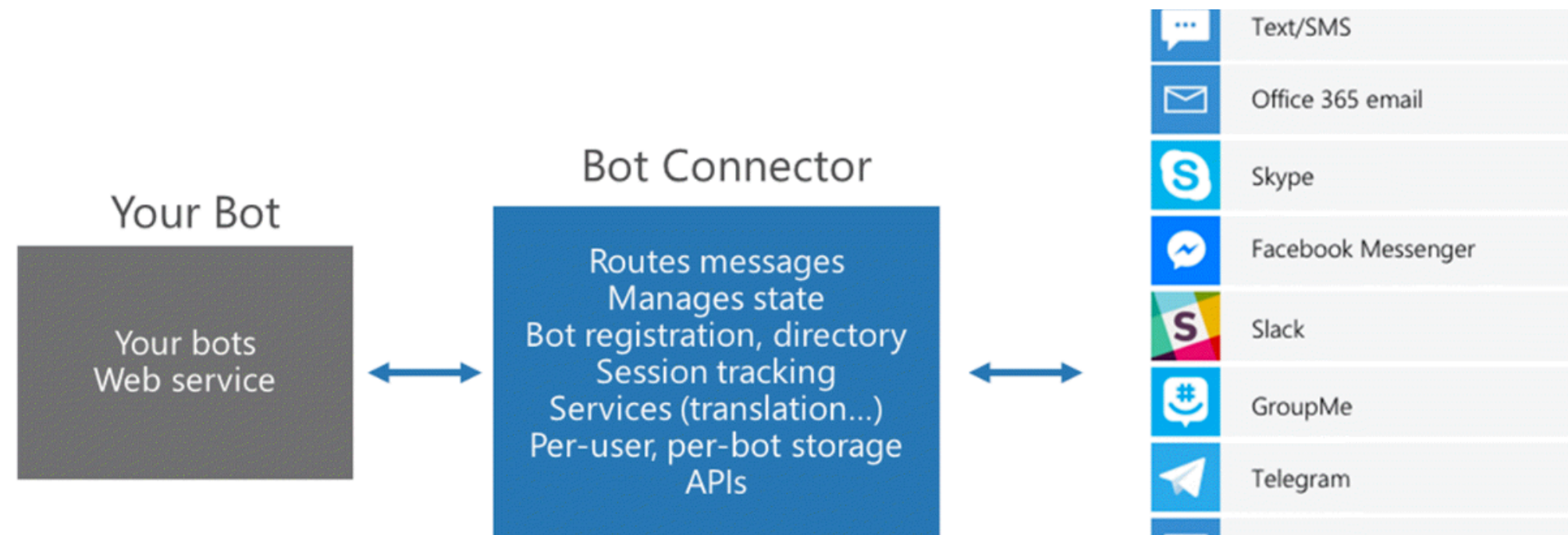
boss BOT 8:31 AM

api-service-keno-main has been scheduled

Chat today: bots - conversation and AI

- conversation & AI toolkits
 - Slack's botkit
 - wit.ai Bot Engine (fb acquisition)
 - Microsoft Bot Builder SDK
- these vs older and simpler bots
 - parse intent, natural language
 - complex state logic
 - learn

Chat today: bots - innovation



- surprising to see microsoft as bot innovator?
- bots becoming mainstream (fb, telegram)
 - will they stick?

Chat today: relevance for us

- technical and non-technical integration ideas?
- maximise use of our productivity tools
- cross team interaction & dependencies
- minimise meetings, maximise async comms
- faster onboarding
- moar fun