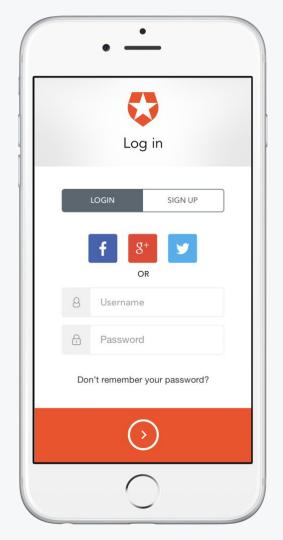# ESCAPE FROM SERVERLAND WITH WEBTASK

Glenn Block, Auth0 (@gblock)

Auth0

Identity made **simple** for devs

Team, we need to wire up Twilio and Slack for the resistance.
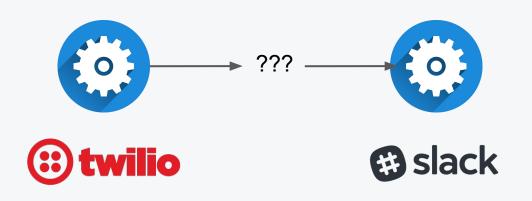
We'll watch for critical codes and send slack notifications

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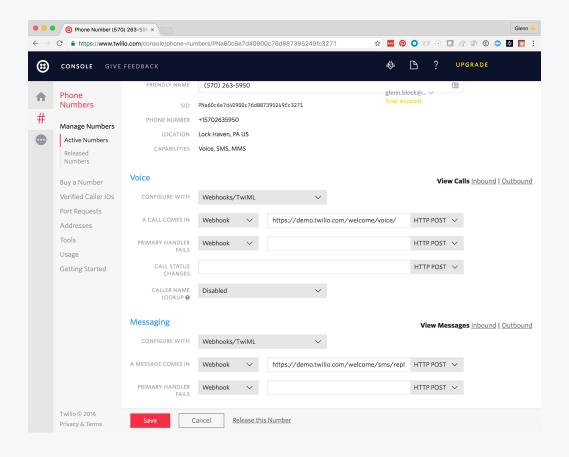OK Snake, but to do that we're going to need some servers.

Auth0

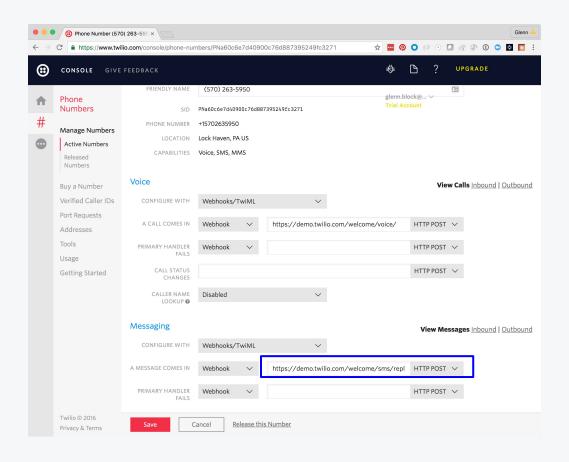We need to connect these 2 APIs

We can use Webhooks!

But we need a server!

WTF?

No, you are NOT deploying a F#%$%$ server!

Auth0

We need to end this server tyranny and oppression!

Get your sh%t!

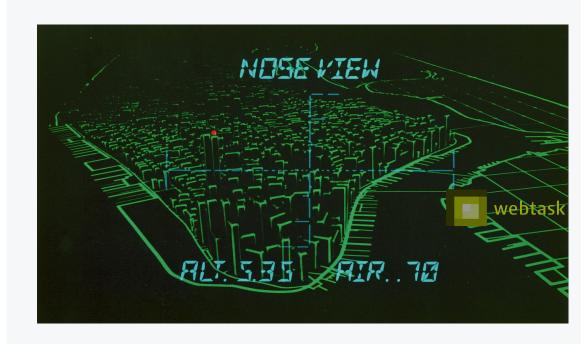## We're getting out of Serverland!

Auth0
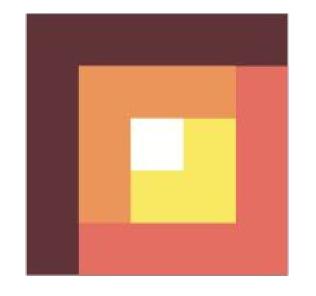
Uh ok, but how, where?

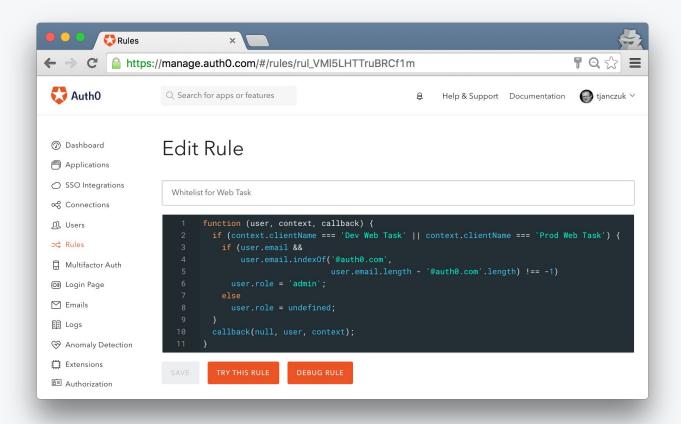We're going serverless,

We're going to Webtask!

webtask
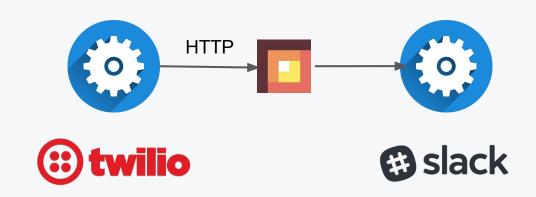
We started our serverless journey scratching our own itch

Webtask is
a webhook with a
server included
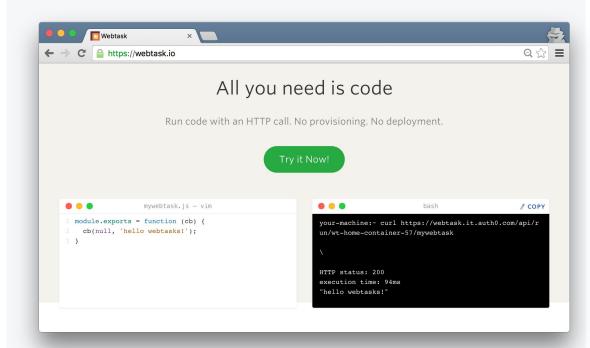
Serverless webhook

What you get
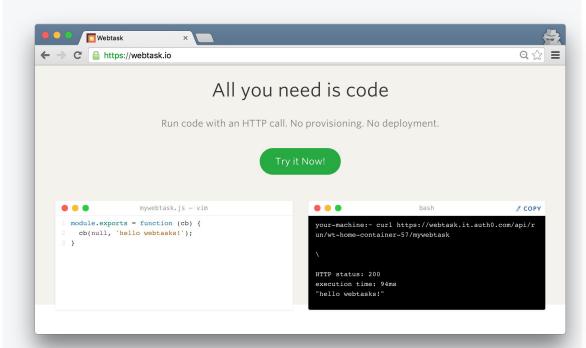
- A custom webhook which runs your code
- A rich authoring experience
- Github integration
- Super simple!
- Works in cloud and on-prem!

Webtask

https://webtask.io

All you need is code

Run code with an HTTP call. No provisioning. No deployment.

Try it Now!

mywebtask.js — vim

```
1  module.exports = function (cb) {
2    cb(null, 'hello webtasks!');
3  }
```

bash   ✎ COPY

```
your-machine:~ curl https://webtask.it.auth0.com/api/r
un/wt-home-container-57/mywebtask

\

HTTP status: 200
execution time: 94ms
"hello webtasks!"
```

Auth0

And you don't have to deal with

- Deployment
- Scale
- Management
- Isolation
- Latency
- High Availability

All you need is code

Run code with an HTTP call. No provisioning. No deployment.

Try it Now!

mywebtask.js — vim

```
1 module.exports = function (cb) {
2   cb(null, 'hello webtasks!');
3 }
```

bash   COPY

```
your-machine:~ curl https://webtask.it.auth0.com/api/r
un/wt-home-container-57/mywebtask

\

HTTP status: 200
execution time: 94ms
"hello webtasks!"
```
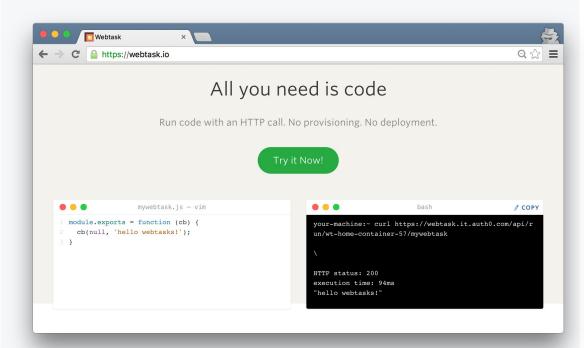
Auth0

And it works in the cloud, or on-prem

What it's good for

- Business rules
- System glue code
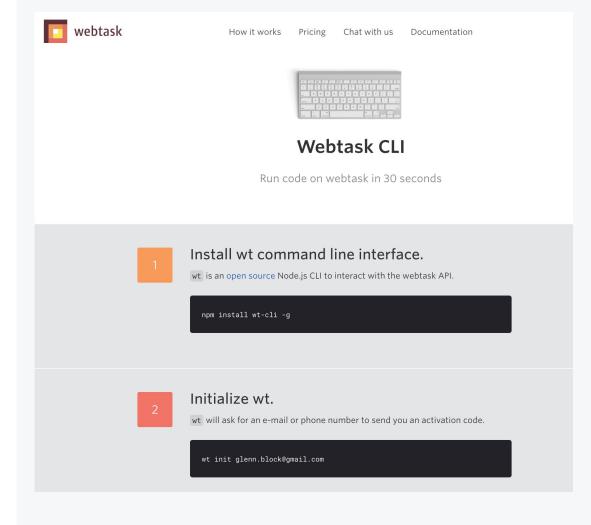- Bots
- APIs
- Automation

Auth0

OK Snake, show us!

Auth0

Start simple:

Get the cli

https://webtask.io/cli

webtask

How it works   Pricing   Chat with us   Documentation

Webtask CLI

Run code on webtask in 30 seconds

1 **Install wt command line interface.**

`wt` is an open source Node.js CLI to interact with the webtask API.

```
npm install wt-cli -g
```

2 **Initialize wt.**

`wt` will ask for an e-mail or phone number to send you an activation code.

```
wt init glenn.block@gmail.com
```

Auth0

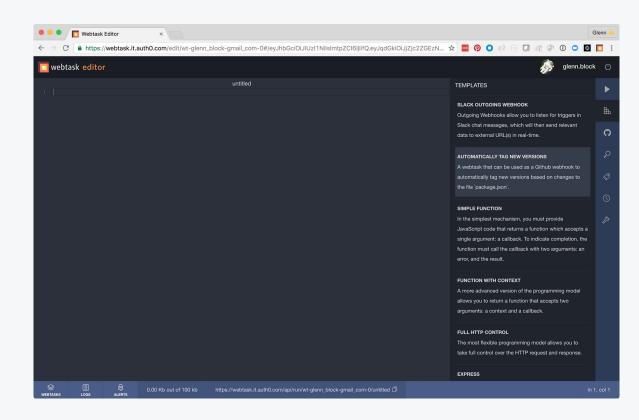# Or be a maker

Right from the browser

https://webtask.io/make

We can can use any language and framework*

*as long as it is Node.js


```
webtask.js
1  module.exports = function (ctx, req, res) {
2      // full HTTP control
3  }
```

```
webtask.js
1  module.exports = function (ctx, cb) {
2      // JSON or form in, JSON out
3  }
```

```
webtask.js
1  module.exports = function (cb) {
2      // JSON or form in, JSON out
3  }
```

Auth0

Actually you can use C#

Or even create your own language with custom compilers

Example: C#

Let's look into another simple example using C#. The webtask code, in the `hello.cs` file, would be:

```
async (dynamic ctx) => {
  return "Hello, " + ctx.query.name.ToString();
}
```

In order to create the webtask, the following command can be used:

```
$ wt create hello.cs --name hello --meta wt-compiler=webtask-tools/cs
```
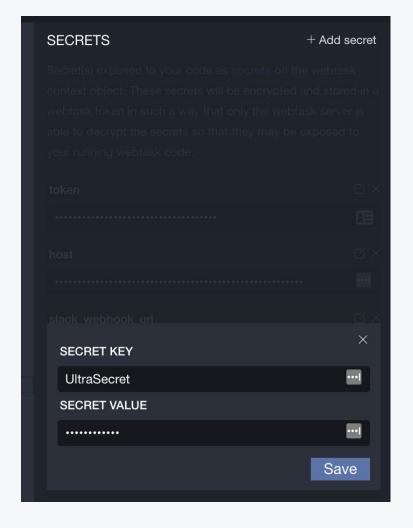
Auth0

WOAH!

Modules oh my!

- More than npm 900 modules built in
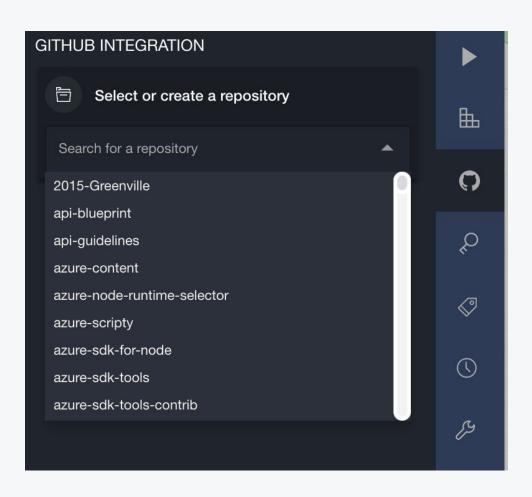- No npm install
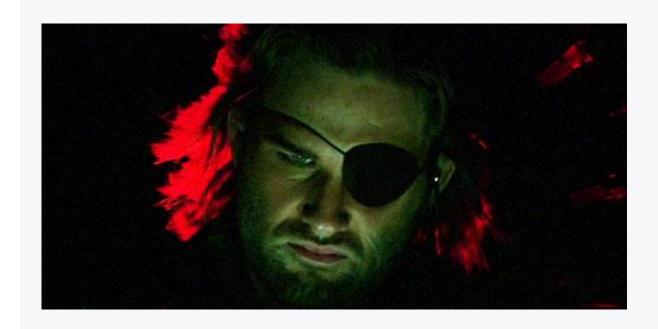- No package.json
- More coming.

Secure secrets without the pain

SECRETS   + Add secret

Secret(s) exposed to your code as secrets on the webtask
context object. These secrets will be encrypted and stored in a
webtask token in such a way that only the webtask server is
able to decrypt the secrets so that they may be exposed to
your running webtask code.

token

•••••••••••••••••••••••••••••••••••••

host

•••

slack_webhook_url

SECRET KEY

UltraSecret

SECRET VALUE

•••••••••••••

Save

Auth0

And yes, we can integrate with Github

Auth0

OK, team, get to work!

Auth0
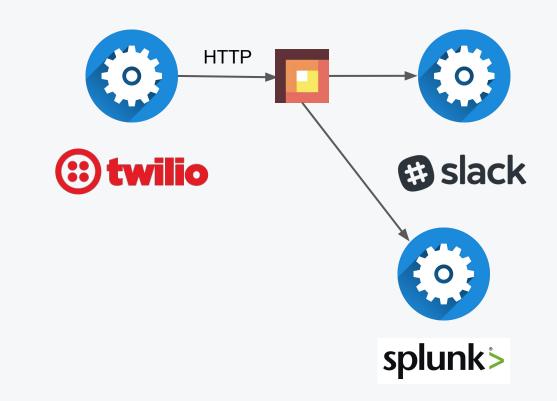
This is what we are building

HTTP

twilio → slack
twilio → splunk

Auth0

SMS to:

570-263-5950

Include 911 if you are in trouble

Auth0

But that's not all....

Auth0

And now I must go. You are all free.

But you must free your friends from Serverland to join us in Webtask

Auth0

Spigot

Thank you!

https://webtask.io

ESCAPE FROM SERVERLAND WITH WEBTASK
Glenn Block, Auth0 (@gblock)