

The Cathedral and Bizarre World of NPM

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<https://github.com/mattpodwysocki/nodeconf-oslo-2016>

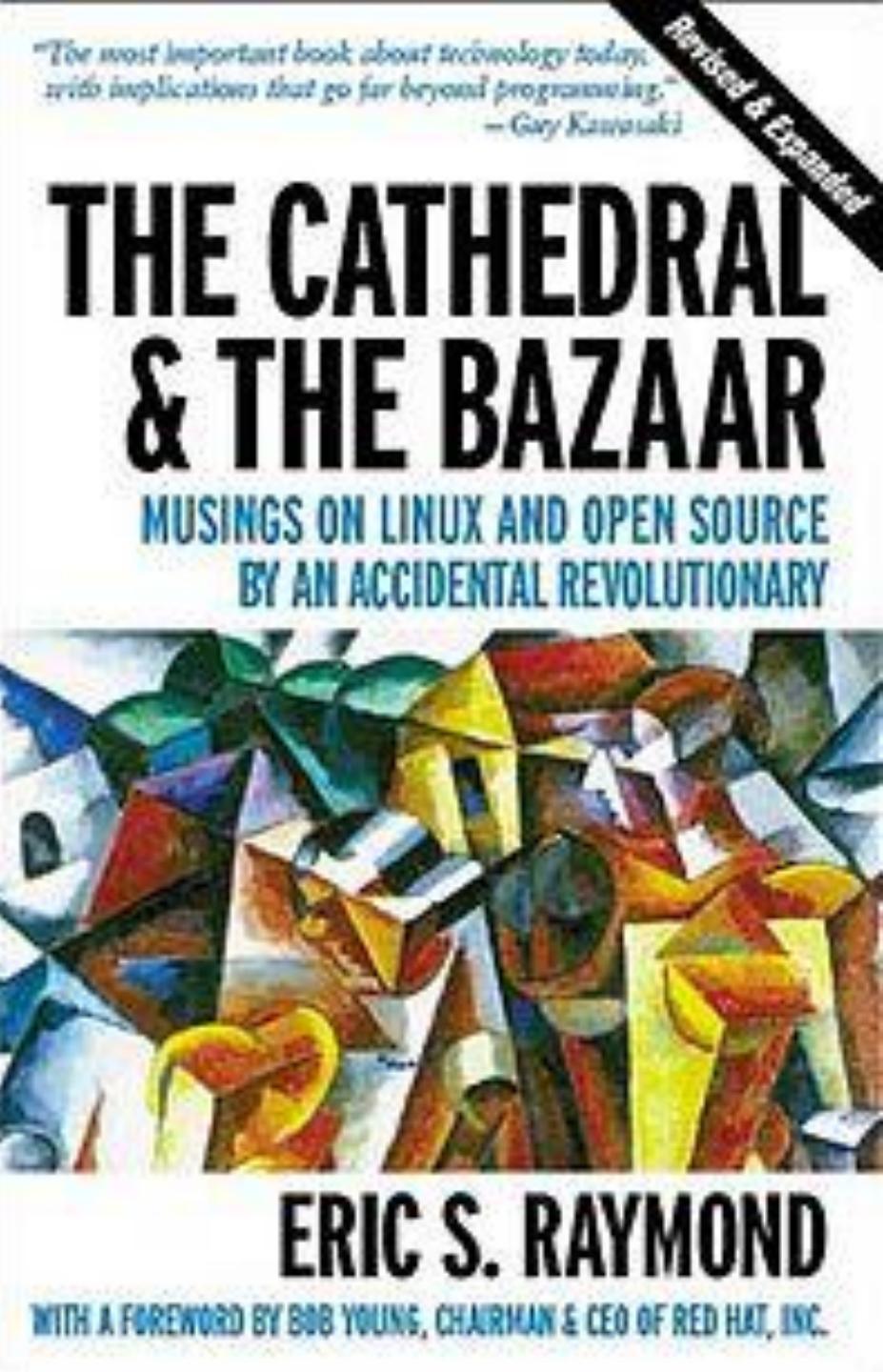
You stay Classy, Cloud City!



Open Sourcerer
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MICRÖSOFT

This talk is not
really about this



UNIX Philosophy

UNIX Time Sharing System

Doug McIlroy

March 17, 1978



Write programs that do
one thing and do it well.

Write programs to work
together.

Write programs to handle
text streams, because that
is a universal interface.



npm is the package manager for javascript.



294,124

total packages



175,069,950

downloads in the last day



1,003,854,560

downloads in the last week



4,526,062,314

downloads in the last month

no-op mattdesl

one no-op function to rule them all

★ 1 v1.0.3

⌚ noop, no, op, nil, no-op, operation, empty, pass, nothing, func, function

catbox-noop superpan

no-op catbox engine used for disabling caching

★ 1 v0.0.1

⌚ cache, catbox, no-op, disable

nop supershabam

library for providing a function that does nothing; it's like super useful

★ 2 v1.0.0

⌚ nop, noop, no-op, useless, wtf

With choice comes possible
headaches...

So many do the same thing,
how do I choose which one
to use?

Some of this information
you can find directly on
NPM

Is the Project Alive?

 npm install lodash

how? learn more



jdalton published 2 weeks ago

4.13.1 is the latest of 84 releases

github.com/lodash/lodash

MIT ®

Collaborators



How many people are using it?

Stats

1,058,398 downloads in the last day

6,146,176 downloads in the last week

28,244,462 downloads in the last month

No open issues on GitHub

No open pull requests on GitHub

Does it have good docs?



http public

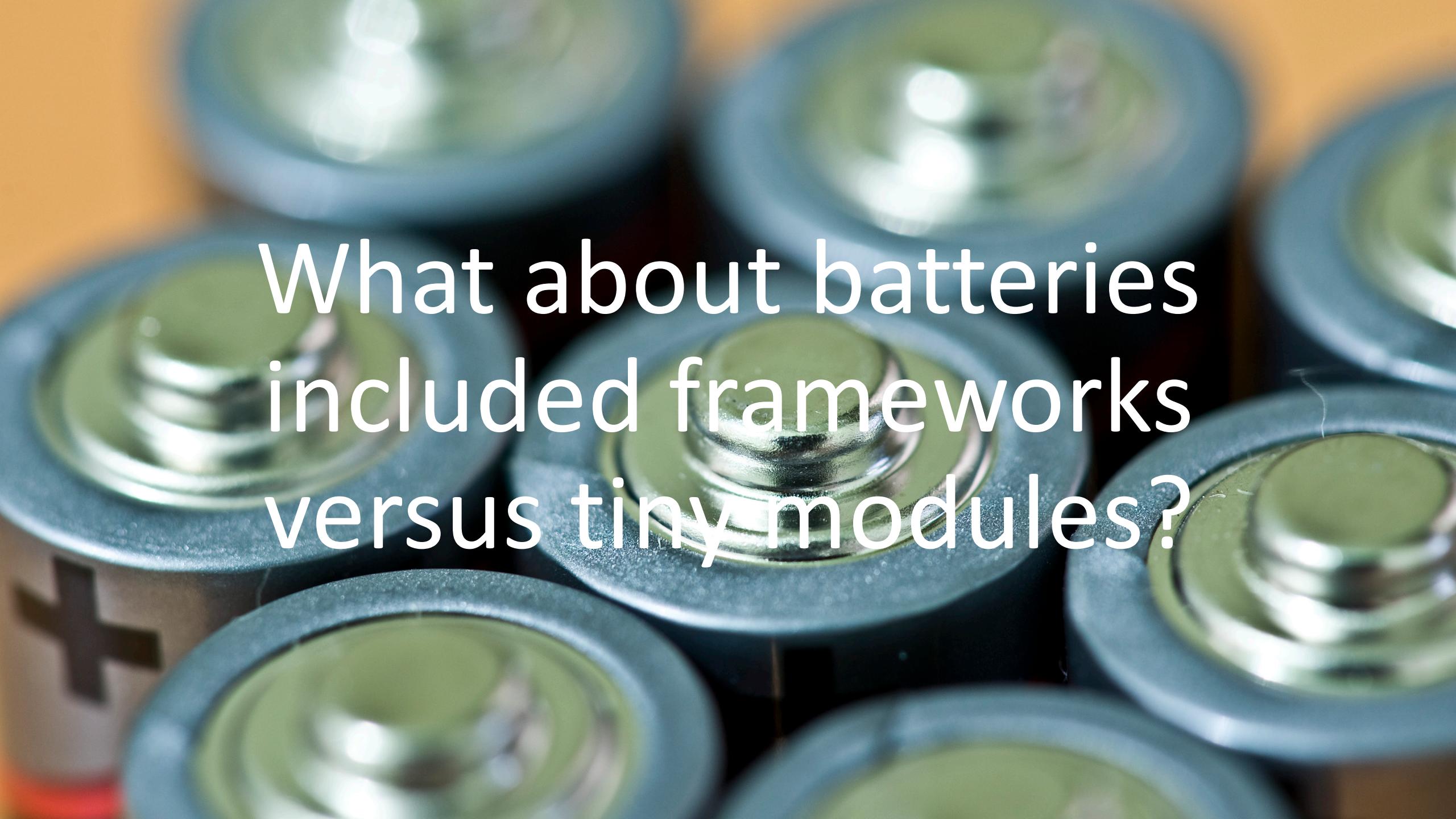
ERROR: No README data found!

Some you can't...

Is the Project Finished?



What is the reputation of
the author?



What about batteries
included frameworks
versus tiny modules?

A photograph of a Gothic-style wooden confessional booth in a church. The booth is made of dark wood with intricate carvings on the panels. It features three arched openings along its length, each topped with a small cross. The background shows more of the church's interior, including a marble pulpit and a wooden balcony. The lighting is warm and focused on the confessional.

I have a confession to
make...



My name is
Matthew
Podwysocki and I
have been module
shamed...

A photograph of a rural landscape at sunset. A dirt path leads from the foreground into the distance, bordered by a simple wire fence with wooden posts. The ground is covered in green grass and small yellow flowers. The sky is a warm, golden-orange color, suggesting the sun is low on the horizon. A single white line descends from the top center of the frame towards the path.

My Own Journey...



Reactive Extensions for JavaScript (RxJS)

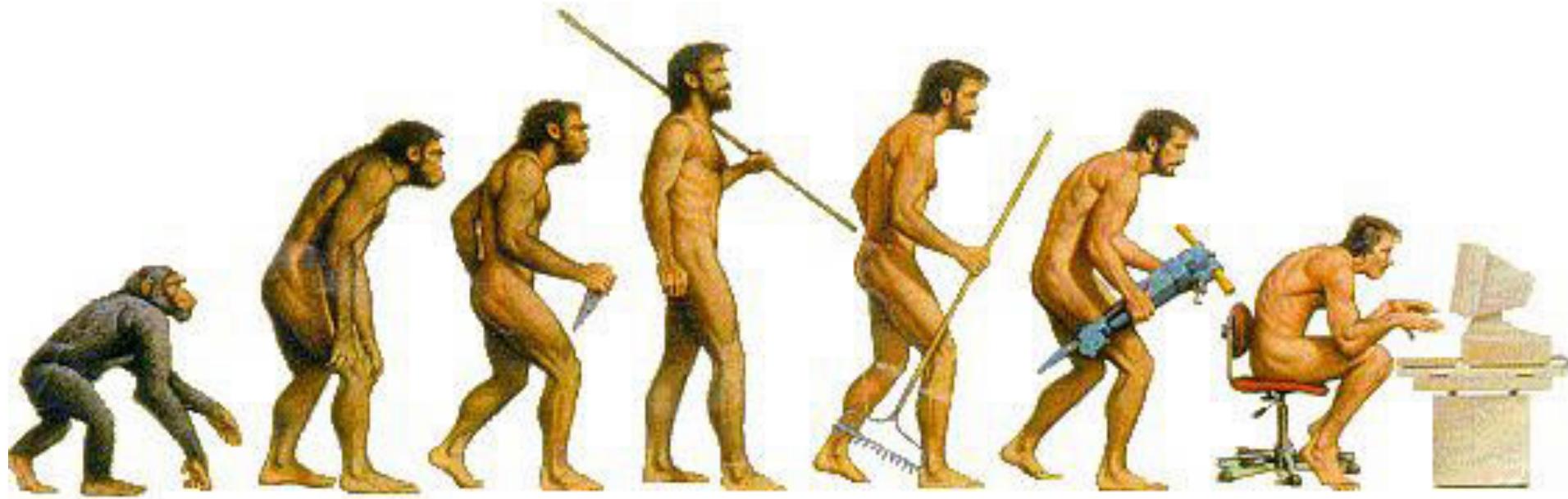
@ReactiveX
<http://reactivex.io>

Batteries Included

```
const Rx = require('rxjs/Rx');
```

```
const source = Rx.Observable.of(1,2,3)
  .map(x => x * x);
```

```
source.subscribe(
  x => console.log(`Next ${x}`)
);
```



The Evolution Towards Modularity...

Adding only what you need...

```
const Observable =  
  require('rxjs/Observable').Observable;  
  
const map = require('rxjs/operator/map');  
  
const source = map.call(Observable.of(1,2,3),  
  x => x * x);  
  
source.subscribe(  
  x => console.log(`Next ${x}`)  
);
```

Adding to the prototype...

```
const Observable =  
  require('rxjs/Observable').Observable;  
  
require('rxjs/add/operator/map');  
  
const source = Observable.of(1,2,3)  
  .map(x => x * x);  
  
source.subscribe(  
  x => console.log(`Next ${x}`)  
);
```

You'll find others have done
the same too!

```
// Load the full build.  
var _ = require('lodash');  
  
// Load the core build.  
var _ = require('lodash/core');  
  
// Load the fp build for immutable auto-curried iteratee-first data-last methods.  
var fp = require('lodash/fp');  
  
// Load a method category.  
var array = require('lodash/array');  
var object = require('lodash/fp/object');  
  
// Load a single method for smaller builds with browserify/rollup/webpack.  
var chunk = require('lodash/chunk');  
var extend = require('lodash/fp/extend');
```

★ lodash.isEqual

public

The lodash method `<code>_.isEqual</code>` exported as a module.

Installation

Using npm:

```
$ {sudo -H} npm i -g npm
$ npm i --save lodash.isEqual
```

In Node.js:

```
var isEqual = require('lodash.isEqual');
```

See the [documentation](#) or [package source](#) for more details.

A scenic landscape at sunset or sunrise. The sky is filled with dramatic, wispy clouds colored in shades of orange, red, and blue. In the foreground, there's a dirt path winding through a field of green grass and small purple flowers. The path leads towards a range of hills in the background. The sun is low on the horizon, casting a warm glow over the scene.

When designing modules,
which path do you take?

A photograph of a large, rugged monolithic rock formation, likely a butte or mesa, rising sharply from a dry, rocky base. The rock face is light brown with darker, weathered streaks. The sky above is a vibrant blue with wispy, white clouds.

The Monolithic Repository

A landscape photograph of a rocky coastline. In the foreground, there is a shallow, clear body of water. Behind it, several large, layered rock formations rise from the sea, their surfaces showing distinct horizontal sedimentary layers. The sky above is blue with scattered white clouds.

Individual Repositories

Code Responsibly

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