

Next.js com SSR e ISR

(e deploy serverless com AWS CDK!)









community builder

Diretor de Tecnologia @ Nexo Jornal Fã de literatura russa e ficção científica Entusiasta das relações sócio-tecnológicas

- **@ibrahimcesar**
- /ibrahimcesar
- /in/ibrahimcesar







O que Next.js não é:

Nest.js
Nuxt.js



O que Next.js é um framework React para produção



Toda semana um novo framework JavaScript?







AngularJS (2010) - 11 anos Backbone (2010) - 11 anos Ember (2011) - 10 anos Meteor (2012) - 9 anos React (2013) - 8 anos Vue (2014) - 7 anos Angular (2016) - 5 anos Next.js (2016) - 5 anos Svelte (2016) - 5 anos



AngularJS (2010) - 11 anos Backbone (2010) - 11 anos Ember (2011) - 10 anos Meteor (2012) - 9 anos React (2013) - 8 anos Vue (2014) - 7 anos Spring Boot (2014) - 7 anos Angular (2016) - 5 anos Next.js (2016) - 5 anos Svelte (2016) - 5 anos



The Web SDK

Next.js has all the tools you need to make the Web. Faster.

Image Optimization

<Image> and Automatic Image
Optimization with instant builds.

Internationalization

Built-in Domain & Subdomain Routing and Automatic Language detection.

Next.js Analytics

A true lighthouse score based on real visitor data & page-by-page insights

Zero Config

Automatic compilation and bundling.

Optimized for production from the start.

Hybrid: SSG and SSR

Pre-render pages at build time (SSG) or request time (SSR) in a single project.

Incremental Static Regeneration

Add and update statically pre-rendered pages incrementally after build time.

TypeScript Support

Automatic TypeScript configuration and compilation.

Fast Refresh

Fast, reliable live-editing experience, as proven at Facebook scale.

File-system Routing

Every component in the `pages` directory becomes a route.

API Routes

Optionally create API endpoints to provide backend functionality.

Built-in CSS Support

Create component-level styles with CSS modules. Built-in Sass support.

Code-splitting and Bundling

Optimized bundle splitting algorithm created by the Google Chrome team.



// https://nextjs.org/examples

```
# javascript
npx create-next-app@latest
yarn create next-app

# typescript
npx create-next-app@latest --typescript
yarn create next-app --typescript
```







```
import { GetStaticProps, GetStaticPaths, GetServerSideProps } from 'next'
export const getStaticProps: GetStaticProps = async context => {
 // Geração estática com dados em build time
export const getStaticPaths: GetStaticPaths = async () => {
 // Lista caminhos para popular dados em build time
export const getServerSideProps: GetServerSideProps = async context => {
 // Requisita dados em Server-Side, a cada request, em run time
```

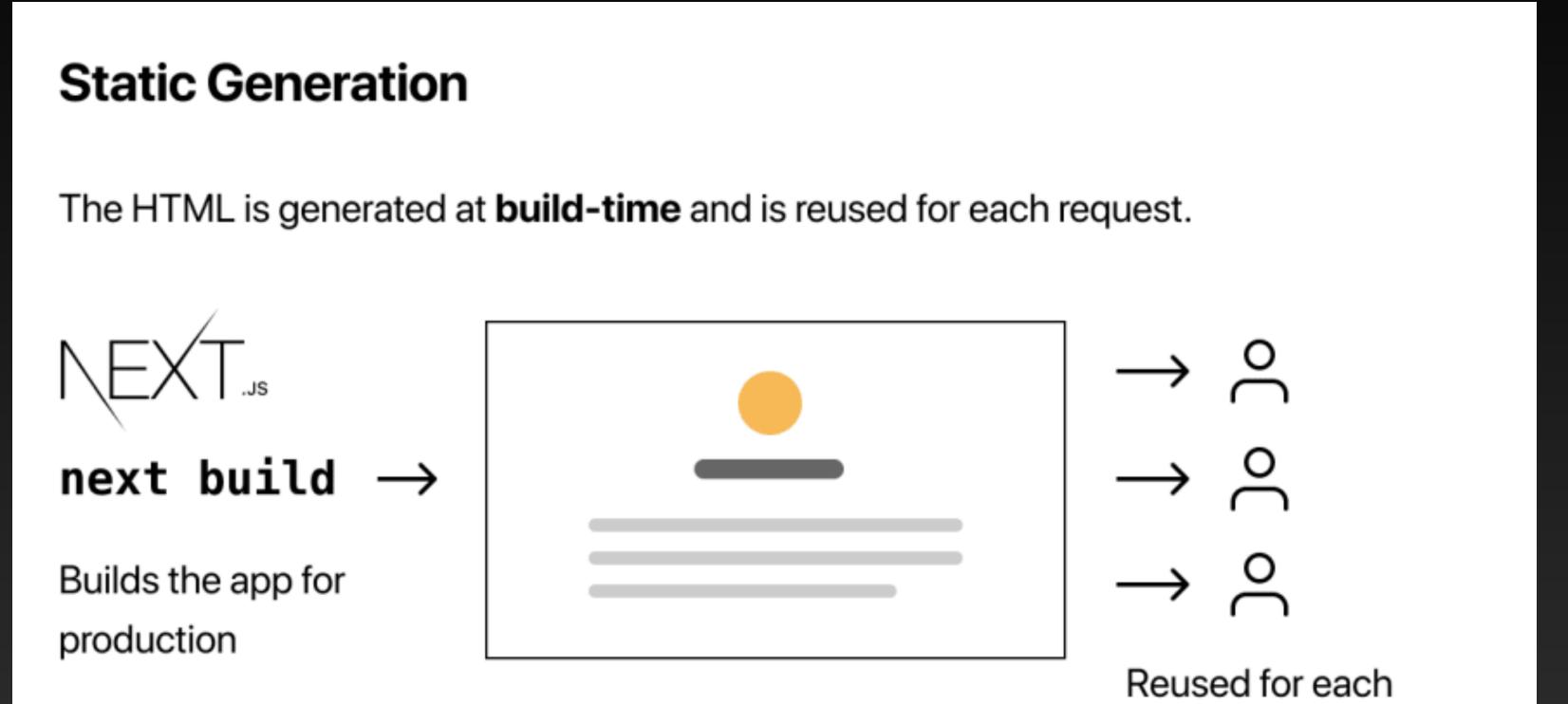


```
pages/
index.tsx
posts/index.tsx
[id].tsx
[...url].tsx
api/
hello.ts
```



SSG Static Site Generation

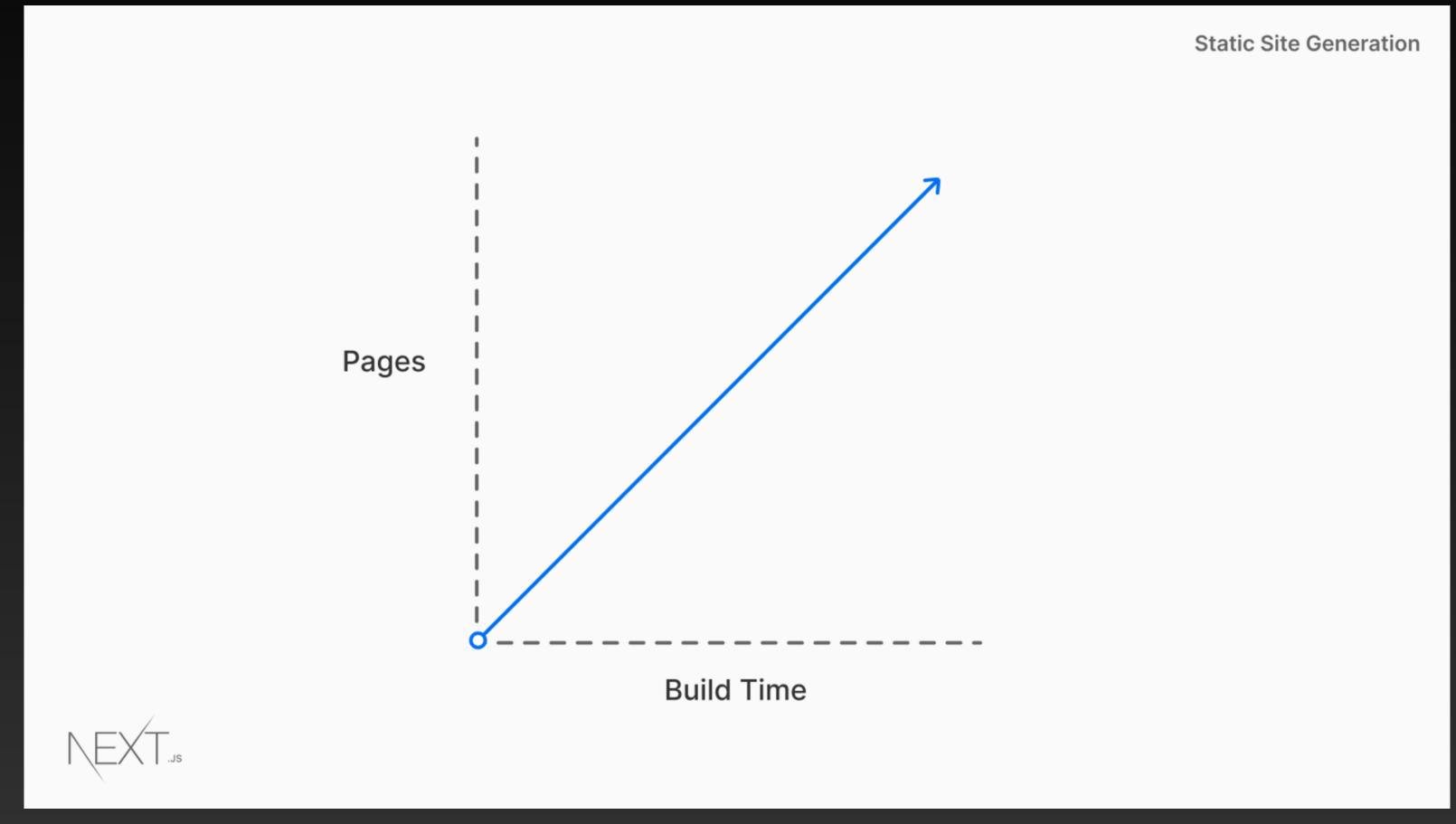




The HTML is generated

request



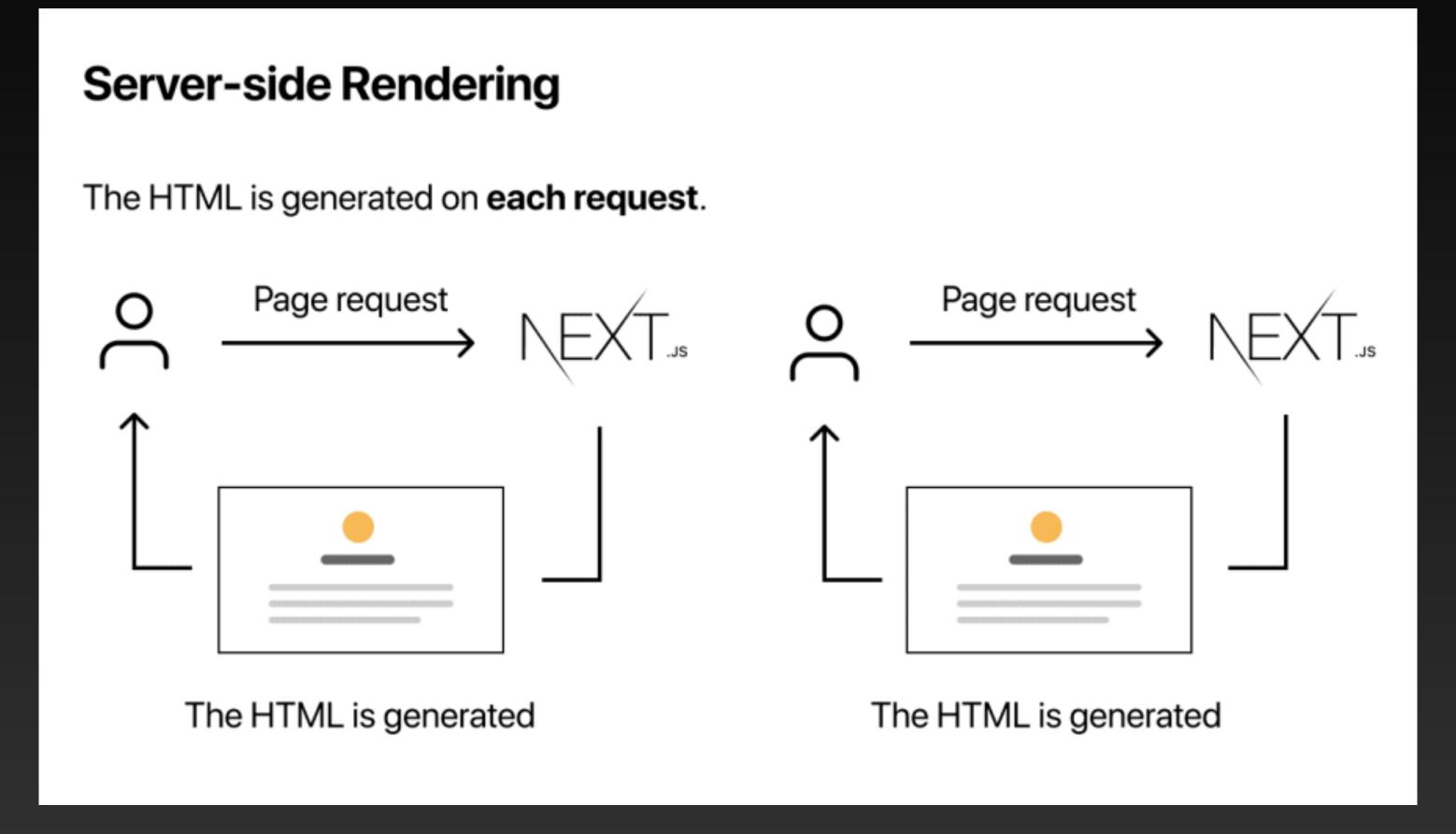


ibrahimcesar.cloud | @ibrahimcesar



SSR Static Site Rendering



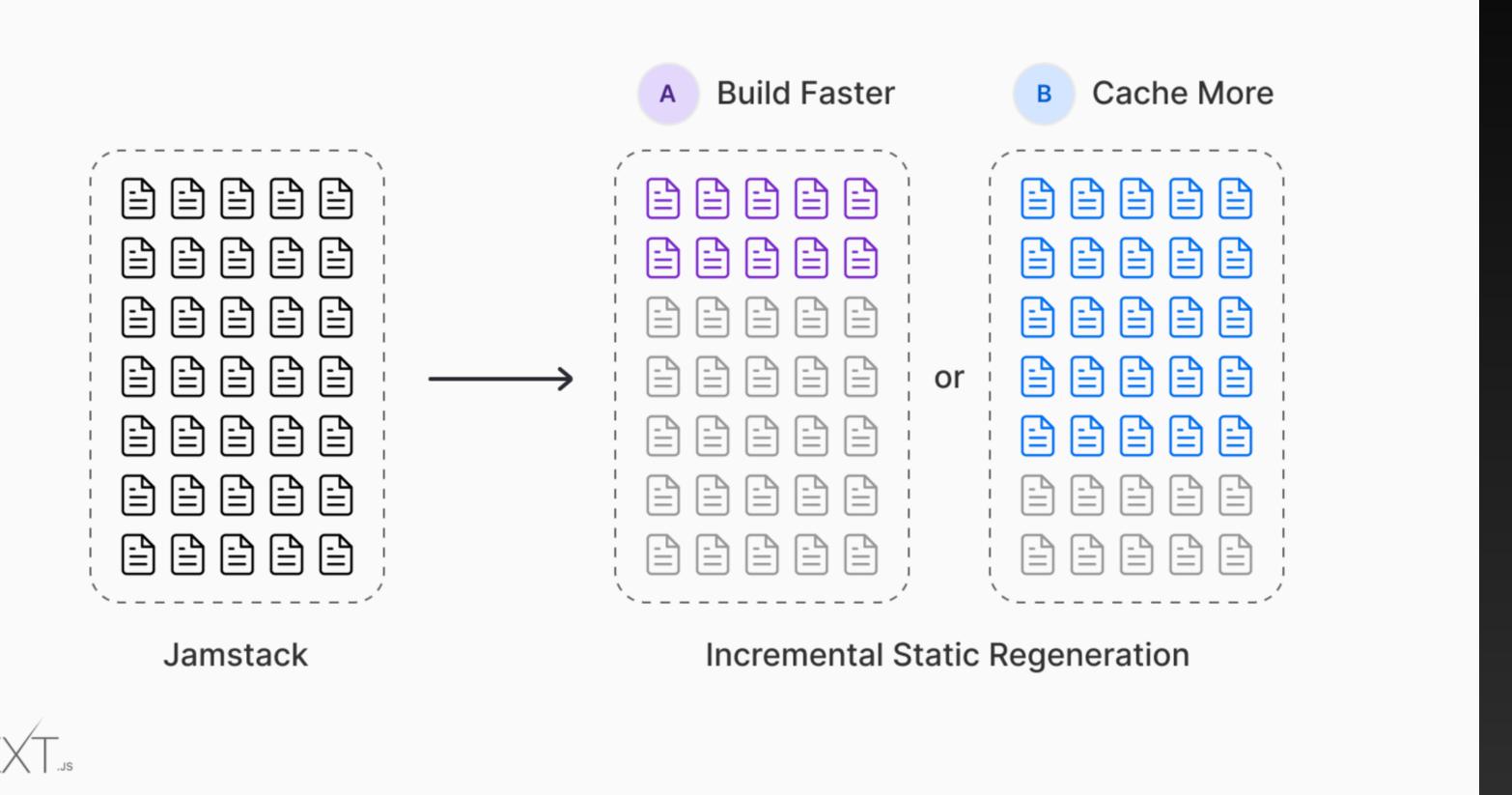




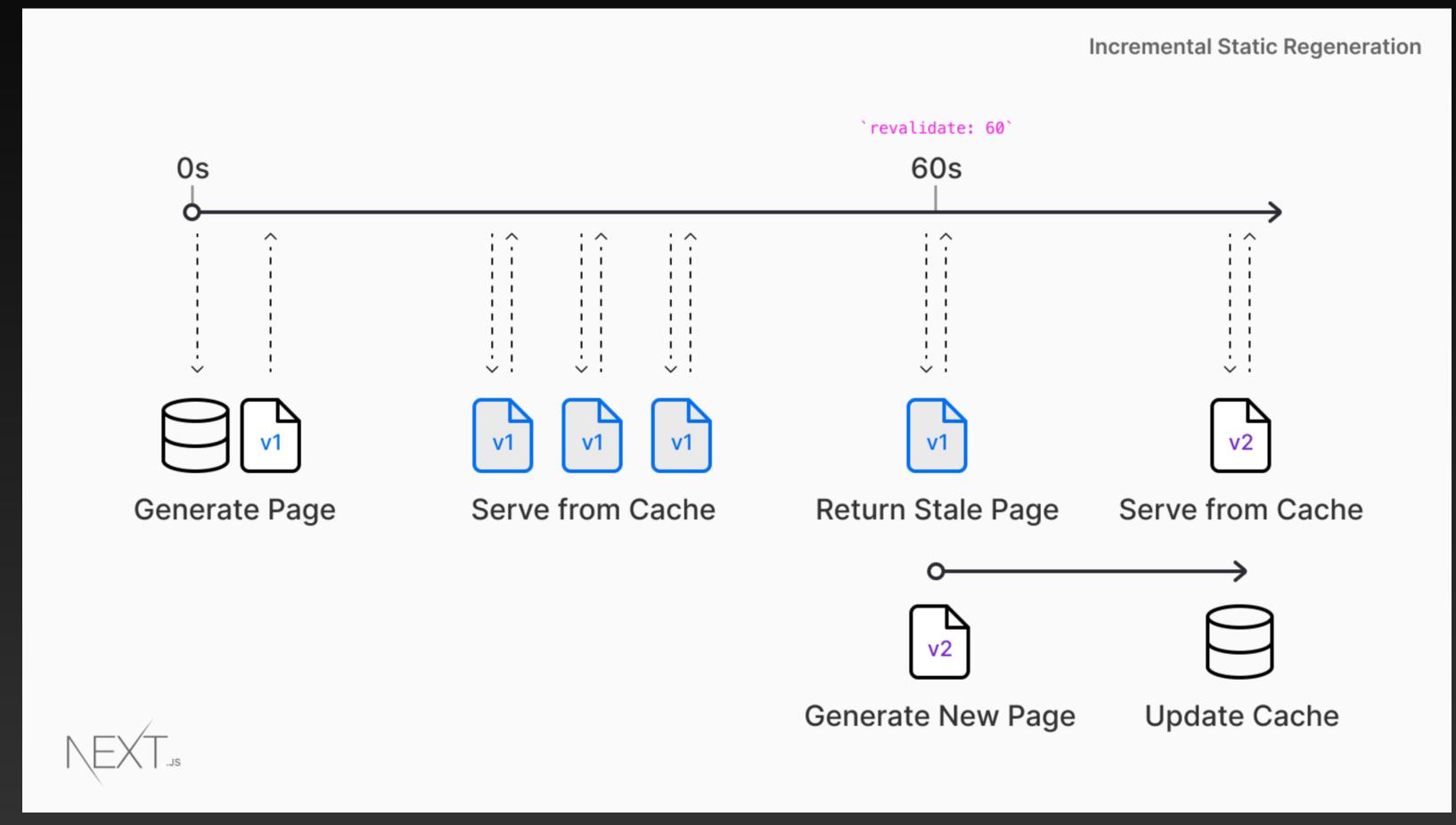
ISR Incremental Static Regeneration



Incremental Static Regeneration







ibrahimcesar.cloud | @ibrahimcesar



Qual dos métodos utilizar?

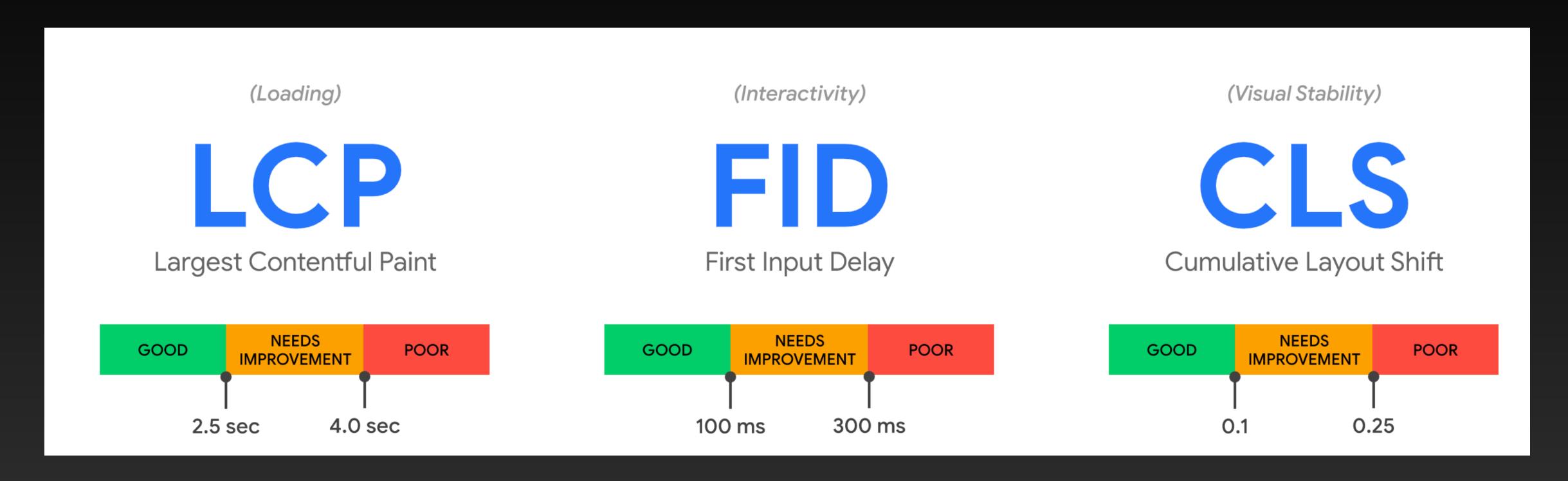


Depende...

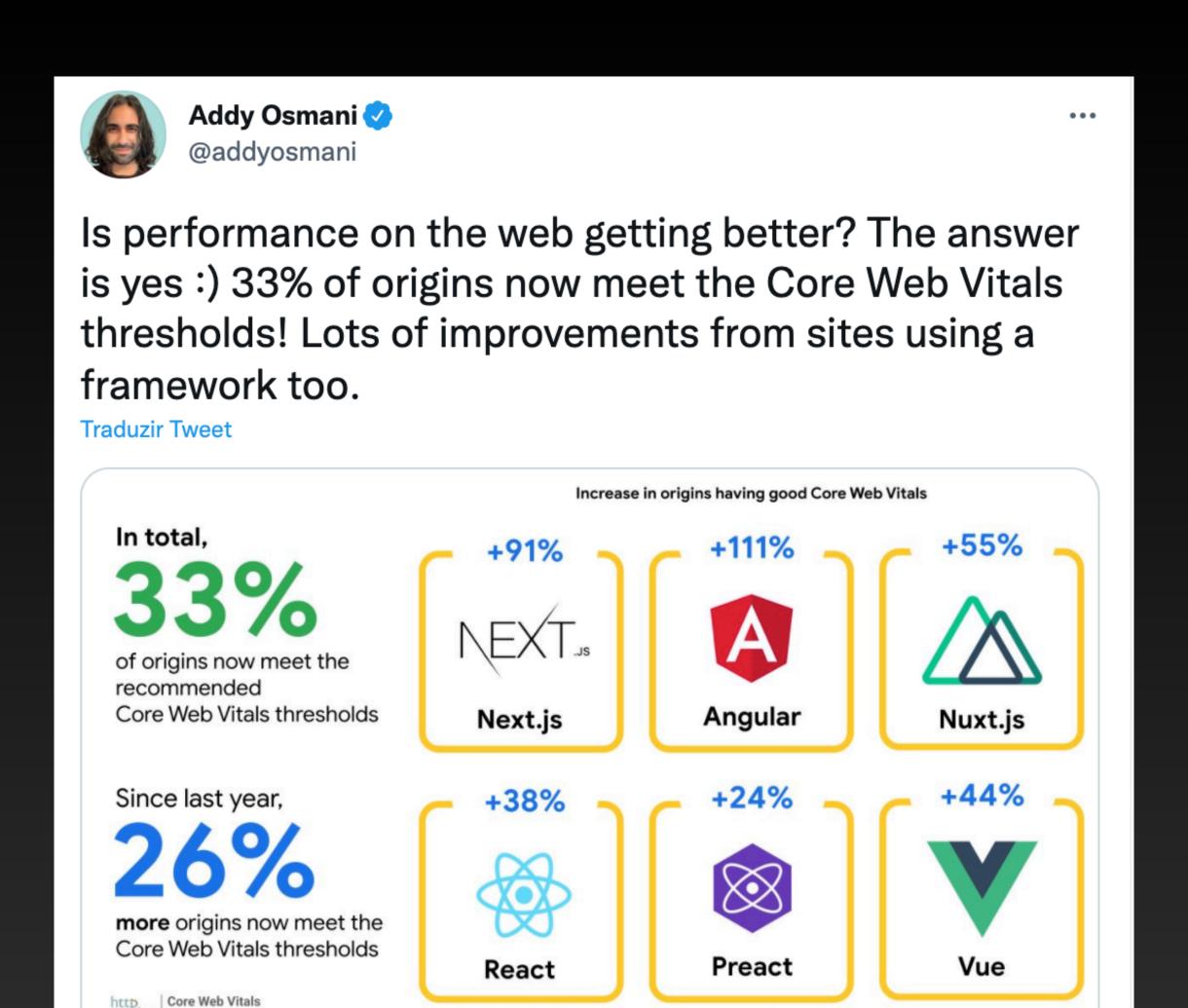












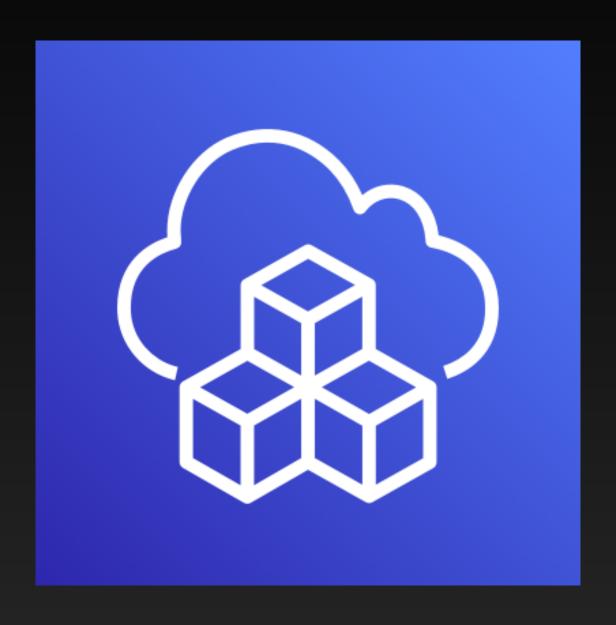
2:45 PM · 4 de nov de 2021 · Twitter Web App



ibrahimcesar.cloud | @ibrahimcesar

Oct 2020 - Aug 2021 (Client: Mobile)





AWS Cloud Development Kit (CDK)



≔ README.md Development Kit AWS CDK serverless deploy for Next.js with SSR and ISR Next.js webapp using Server Side Rendering (SSR) and Incremental Static Regeneration (ISR) deployed with Serverless Nextjs CDK construct on AWS using CloudFront and Lambda@Edge **Live Demo** PokéServerless is just a Proof of Concept! Minimal NextJS with Server Side Rendering (SSR) and Incremental Static Generation (ISR) - Gotta Fetch'Em All! and deployed with Serverless Nextjs CDK construct on AWS using CloudFront and Lambda@Edge.



bit.ly/tdc-nextjs



