



Remix × Cloudflare Pages × Sentry 奮闘記

1. Cloudflare PagesにSentry入れたかった
2. Cloudflare的なアプローチ
3. 暫定の解決策
4. 本筋の解決策が生まれたかも？

- Who ?



- 中川幸哉 a.k.a Nkzn (なかざん)
- '86世代 🐰 の37歳 新潟生まれ新潟育ち(大学だけ会津)
- Android→Cordova→React Native→Next.js→Rails→Remix
- 技術書典Webのフロントエンド&アプリ担当
 - 11月2日から技術書典17やるからよろしくね！
 - 弊社も開発合宿まとめ本を出します





Remix × Cloudflare Pagesでサイト作った



キャラつくAI

<https://charatsukuai.limo.media/>



プロフィールをもとに
AIがイメージしたあなたの姿は？

キャラつくAI

Powered by **LIMO**

＼なんどでも無料／

生成してみる >



お絵かきAIが
あなたをイメージして描きます

STEP 01

メールアドレスと簡単な
プロフィールを入力！



STEP 02

生成された画像をメール
で受け取り
※少しお時間を要する場合がございます



STEP 03

SNSアイコンや
プロフィール画像など、
自由に使用できます
※商用利用可



Cloudflareスタックで 月間1200万UUの経済メディアに アバター画像生成サービスを作る

Cloudflare Meetup Niigata #1

2024.8.25 Yukiya Nakagawa

monicle

<https://speakerdeck.com/nkzn/cloudflare-developer-platform-for-ai-avatar-service>



そうだ、Sentryを入れよう

- @sentry/remix がCloudflareをサポートしていない



Docs

Search Docs 🔍 or ASK A BOT CHANGELOG SANDBOX SIGN IN GET STARTED ☀

Remix

SENTRY FOR REMIX

- Manual Setup
- Configuration >
- Source Maps >
- Capturing Errors and Events
- Enriching Events >
- Special Use Cases >
- Data Management >
- Set Up Tracing >
- Set Up Profiling
- Set Up Session Replay >
- Set Up Crons >
- Set Up User Feedback >
- OpenTelemetry Support >
- Migration Guide >
- Troubleshooting >

Home / Platforms / JavaScript / Remix

Remix

Sentry's Remix SDK enables automatic reporting of errors and exceptions, as well as the performance metrics for both client and server side operations.

Sentry's Remix SDK enables automatic reporting of errors and exceptions, as well as the performance metrics for both client and server side operations.

Sentry's Remix SDK relies on our [React SDK](#) for the frontend and [Node SDK](#) for the backend. That means all features available in those SDKs are also available in this SDK.

Non-Node Support

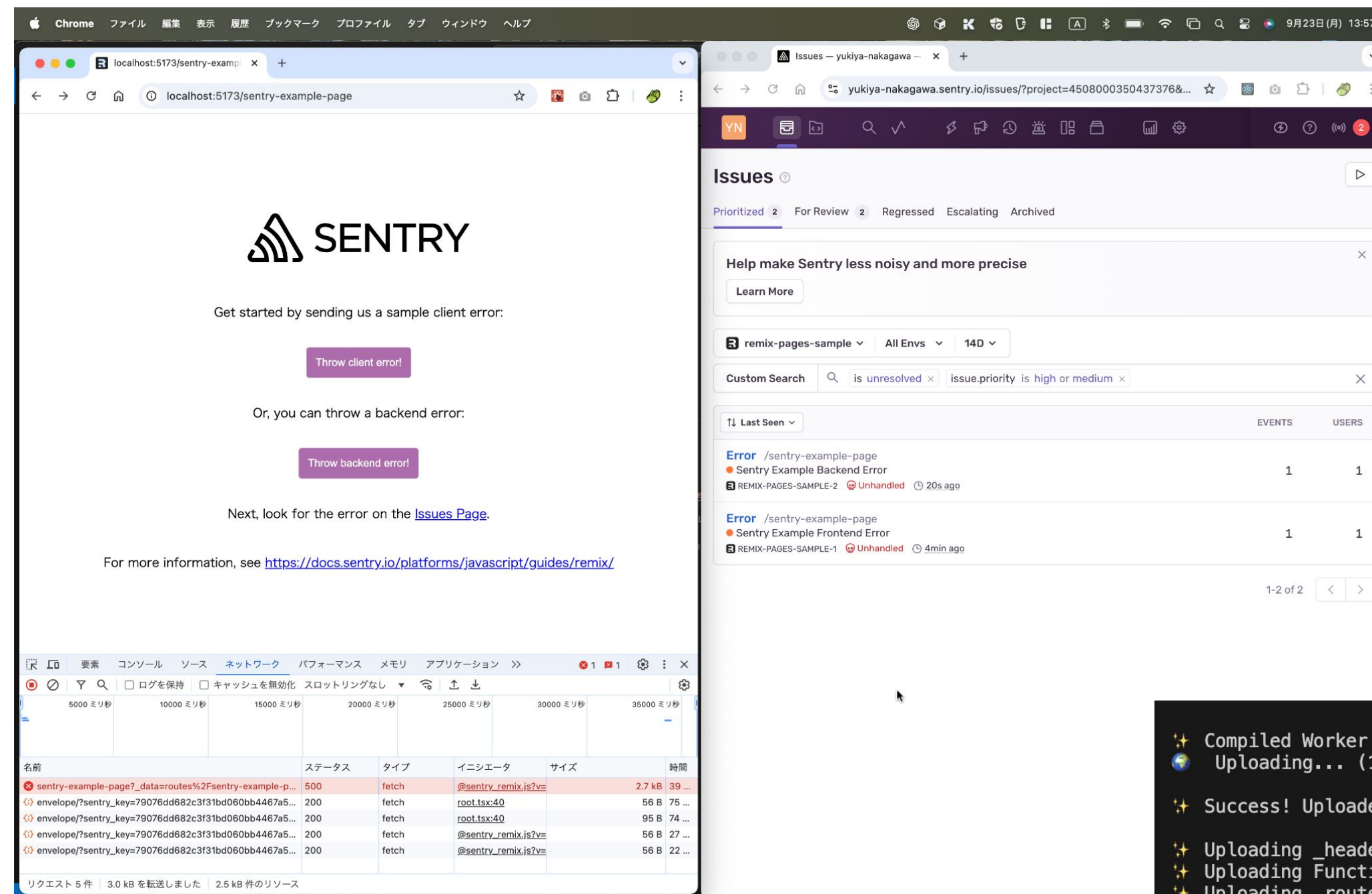
Sentry's Remix SDK does not officially support adapters that use non-Node runtimes, such as Cloudflare Workers.

We've released version 8 of the JavaScript SDKs. If you're using version 7.x, we recommend upgrading to the latest version. Check out the [Migration docs](#) to learn how to make the switch.

<https://docs.sentry.io/platforms/javascript/guides/remix/>



- @sentry/wizardは一旦上手くいくけど.....



←localhostでは元気に動いてる
(Node.jsにMiniflareを
ちょっと被せただけだからね)

デプロイで失敗する→

```
✨ Compiled Worker successfully
🌐 Uploading... (19/19)

✨ Success! Uploaded 0 files (19 already uploaded) (1.25 sec)

✨ Uploading _headers
✨ Uploading Functions bundle
✨ Uploading _routes.json
🌐 Deploying...

✖ [ERROR] Deployment failed!

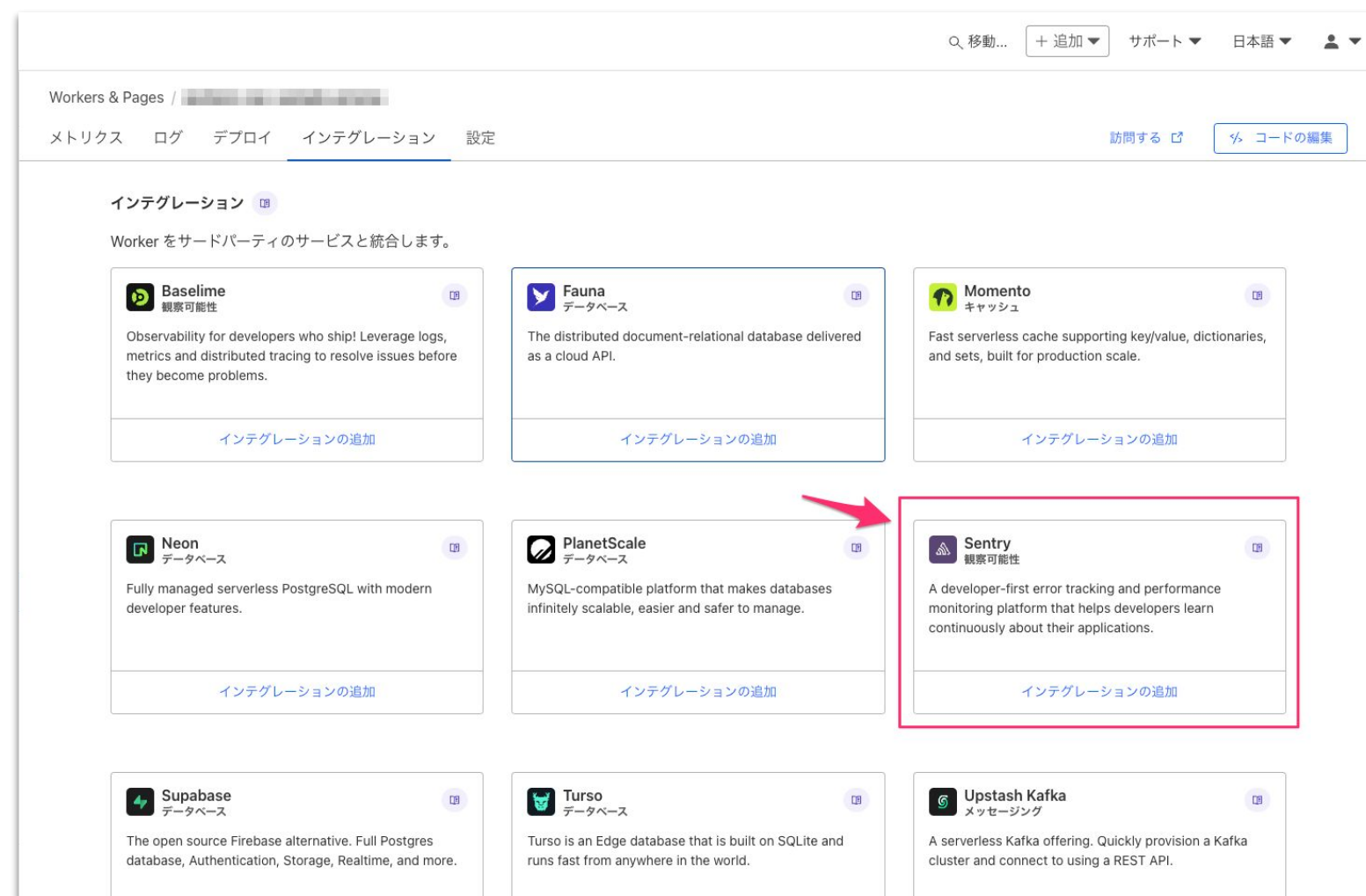
Failed to publish your Function. Got error: Uncaught TypeError: (void 0) is not a function
    at functionsWorker-0.7505738919833018.js:48794:27 in ../build/server/index.js
    at functionsWorker-0.7505738919833018.js:8:56 in __init
    at functionsWorker-0.7505738919833018.js:48981:5 in [[path]].ts
    at functionsWorker-0.7505738919833018.js:8:56 in __init
    at functionsWorker-0.7505738919833018.js:48991:5 in
    at ../wrangler/tmp/pages-D3IT0h/functionsRoutes-0.23195084066249638.mjs
    at functionsWorker-0.7505738919833018.js:8:56 in __init
    at functionsWorker-0.7505738919833018.js:49005:1
```



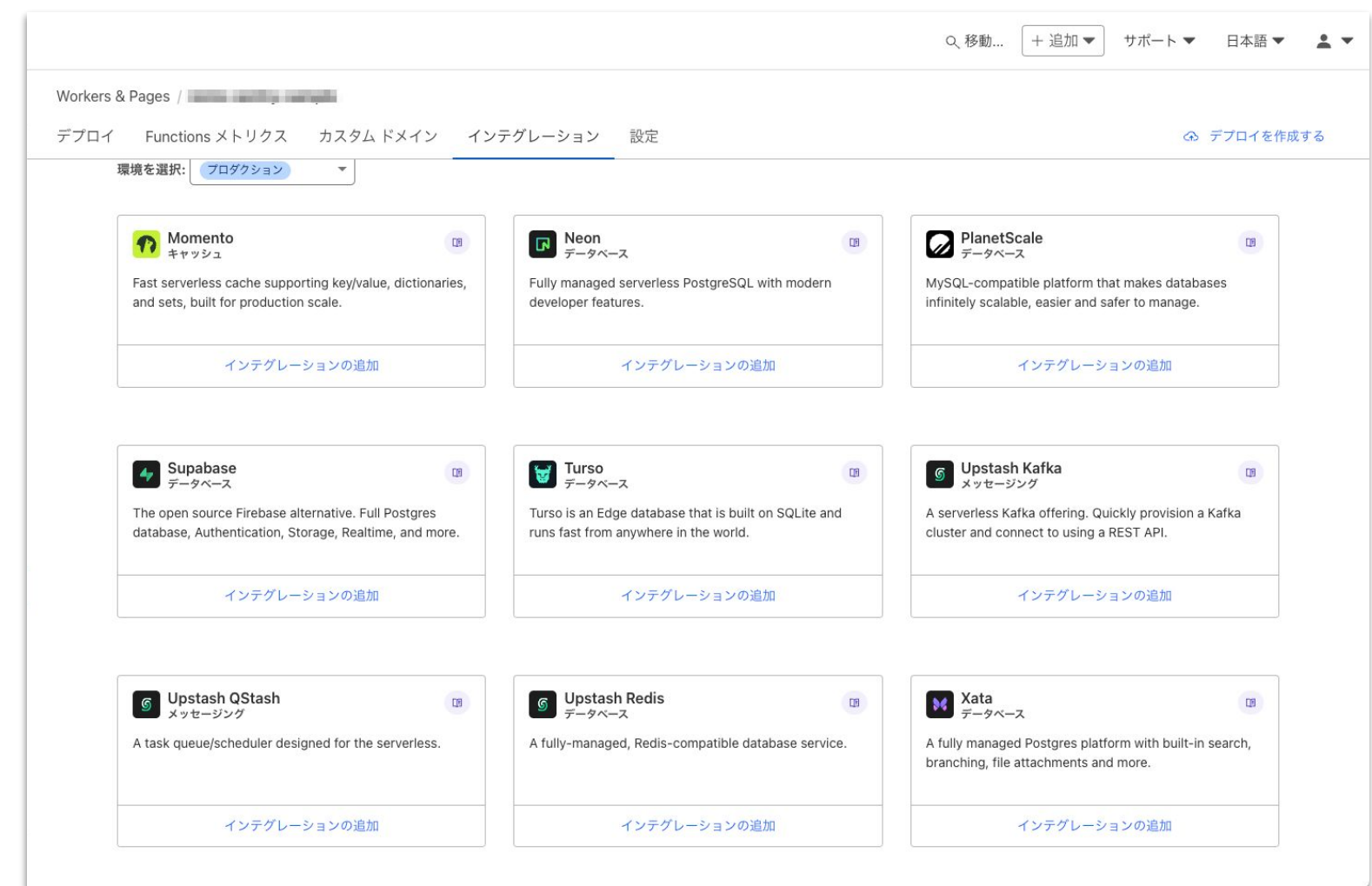
Cloudflare × Sentryなアプローチを探す

- 公式Sentry Integration (Workers用)

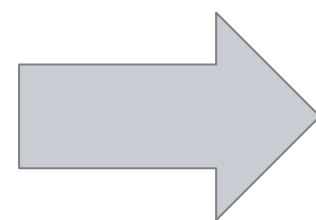
ログ監視用Worker (tail worker)を別途用意して、ログをSentryに送ってくれるやつ



Workers



Pages



そんなものはPagesにはない

- 生のPages Functions用ライブラリはある

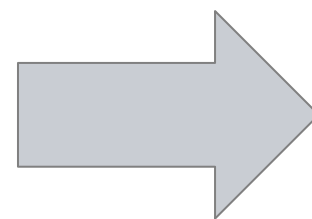
トップレベルまで届いた例外をキャッチしてSentryに送るやつ

functions/_middleware.ts (全てのreq,resの前後の処理を制御するやつ)

```
import sentryPlugin from "@cloudflare/pages-plugin-sentry";

export const onRequest: PagesFunction<{
  SENTRY_DSN: string;
}> = (context) => {
  return sentryPlugin({ dsn: context.env.SENTRY_DSN })(context);
};
```

<https://developers.cloudflare.com/pages/functions/plugins/sentry/>



Remixレイヤーで全部キャッチしちゃうからか
_middlewareまで例外が届かない..... !

- しっくりこない

- 上手くいったとしてもさほど嬉しくない
- トップレベルまで届いちゃった例外のロギングなら確かに前述のアプローチでもいい
- でもサーバーサイドでも**Sentry.captureMessage**とか使いたいじゃん.....！



命令としてSentryを使えるアプローチを探す

- Cloudflare Workersで使えるSentryクライアント

- @cloudflare/pages-plugin-sentryのドキュメント内にrobertcepa/toucan-jsへの言及があった

> Toucan is a Sentry client for Cloudflare Workers written in TypeScript.

- これ欲しかったやつでは.....！？
- raven(カラス)との対比でtoucan(オオハシ)になっているらしい

- 動く.....動くぞ.....！



やったー動いたー

```
import { ActionFunctionArgs, json } from "@remix-run/cloudflare";
import { Toucan } from "toucan-js";

export function action({ request, context }: ActionFunctionArgs) {
  const sentry = new Toucan({
    dsn: context.cloudflare.env.SENTRY_DSN,
    context: context.cloudflare.ctx,
    request,
    tracesSampleRate: 1.0,
  });

  sentry.captureMessage("Sentry Example Backend Error");

  return json({ result: "success" });
}
```

The screenshot shows the Sentry 'Issues' page for the project 'remix-pages-sample'. The filter 'is unresolved' is applied. The table lists three errors:

	EVENTS	USERS
Sentry Example Backend Error • https://remix-sentry-sample.pages.dev/sentry-example-page REMIX-PAGES-SAMPLE-3 4min ago	2	1
Error /sentry-example-page • Sentry Example Backend Error REMIX-PAGES-SAMPLE-2 Unhandled 8hr ago	1	1
Error /sentry-example-page • Sentry Example Frontend Error REMIX-PAGES-SAMPLE-1 Unhandled 8hr ago	1	1

- RemixのコンテキストにToucan製sentryを追加する

getLoadContextでToucanを初期化して、contextに登録しておけば、loaderやactionで使える

load-context.ts

```
type Cloudflare = Omit<PlatformProxy<Env>, "dispose">;

declare module "@remix-run/cloudflare" {
  interface AppLoadContext {
    cloudflare: Cloudflare;
    sentry: Toucan;
  }
}

export const getLoadContext: GetLoadContextFunction<Env> = ({
  context,
  request,
}) => {
  const sentry = new Toucan({
    dsn: context.cloudflare.env.SENTRY_DSN,
    context: context.cloudflare.ctx,
    request,
    tracesSampleRate: 1.0,
  });

  return {
    ...context,
    sentry,
  };
};
```

```
import { ActionFunctionArgs, json } from "@remix-run/cloudflare";

export function action({ context }: ActionFunctionArgs) {
  context.sentry.captureMessage("Sentry Example Backend Error");

  return json({ result: "success" });
}
```

いったんこれでしのぐか.....?

参考: <https://remix.run/docs/en/2.12.1/guides/vite#augmenting-load-context>



俺たちの戦いはこれからだ！（6月のワイ）



実はnode_compat_v2で
@sentry/remixが動くようになった
みたいな話はないかなー
(なかったです)

9月のワイ

- あれ、動きあるっぽくない？



getsentry / sentry-javascript

Type / to search

<> Code Issues 407 Pull requests 47 Discussions Actions Projects Security 2 Insights

Sentry Cloudflare Workers SDK #12620

Open Enhancement

New issue

AbhiPrasad opened on Jun 25

ref #2484
ref #5611

Let's add some 1st class [cloudflare workers](#) support (finally)!

We've had <https://github.com/robertcepa/toucan-js> for a while that has worked great, but doesn't match our unified API and doesn't have full support for [performance](#), [cron monitoring](#), and more.

First we can start off by making a basic package, `@sentry/cloudflare-workers`

Initial

Beta Give feedback

Package: cloudflare

- ✓ Add cloudflare-workers basic package #12685
- 🔗 feat(cloudflare): Add cloudflare sdk scaffolding #12953
- 🔗 feat(cloudflare): Add `withSentry` method #13025
- 🔗 chore: Add `@sentry/cloudflare` to craft config #13087
- 🔗 test(e2e): Add cloudflare workers e2e test #13096

After First Release

Beta Give feedback

Package: cloudflare

- 🕒 Add cron monitoring support to cloudflare workers sdk #13111
- 🕒 Add icons for cloudflare workers and cloudflare pages platformicons#173
- 🔗 feat: Add `@sentry/cloudflare` to the release registry `sentry-release-registry#164`
- 🔗 chore(cloudflare): Add cloudflare sdk to the release registry #13206
- ☐ Add wizard command to setup cloudflare workers sdk
- ☐ Add cloudflare workers to sentry onboarding

Assignees

AbhiPrasad

Labels

Package: cloudflare

Projects

GitHub Issues with 3

Status No status

Milestone

No milestone

Relationships

None yet

Development

No branches or pull requests

Notifications

Subscribe

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<https://github.com/getsentry/sentry-javascript/issues/12620>

- おやおや？？？



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@sentry/cloudflare TS

8.31.0 • Public • Published 4 hours ago

[Readme](#) [Code](#) [3 Dependencies](#) [1 Dependents](#) [12 Versions](#)

Official Sentry SDK for Cloudflare

npm v8.31.0 downloads 4.6k/month downloads 6k

Links

- [Official SDK Docs](#)
- [TypeDoc](#)

Note: This SDK is in an alpha state. Please follow the [tracking GH issue](#) for updates.

Install

To get started, first install the @sentry/cloudflare package:

```
npm install @sentry/cloudflare
```

Then set either the nodejs_compat or nodejs_als compatibility flags in your wrangler.toml. This is because the SDK needs access to the AsyncLocalStorage API to work correctly.

```
compatibility_flags = ["nodejs_compat"]  
# compatibility_flags = ["nodejs_als"]
```

Then you can either setup up the SDK for [Cloudflare Pages](#) or [Cloudflare Workers](#).

Install

```
> npm i @sentry/cloudflare
```

Repository

[github.com/getsentry/sentry-javascript](#)

Homepage

[github.com/getsentry/sentry-javascript...](#)

Weekly Downloads

1,184

Version	License
8.31.0	MIT
Unpacked Size	Total Files
221 kB	91
Issues	Pull Requests
408	47

Last publish

an hour ago

Collaborators

<https://www.npmjs.com/package/@sentry/cloudflare>

- いっちょやってみっか



functions/_middleware.ts

```
export const onRequest = Sentry.sentryPagesPlugin(context => ({
  dsn: context.env.SENTRY_DSN,
  tracesSampleRate: 1.0,
})));
```

app/routes/hoge.tsx

```
import { json } from "@remix-run/react";
import * as Sentry from "@sentry/cloudflare";

export function action() {
  Sentry.captureMessage("Sentry Example Backend Error with @sentry/cloudflare");

  return json({ message: "Success!" });
}
```

Context等を経由せずに
いきなりcaptureXxxを呼んでいいらしい



- 動いた————！！！！！！！！！！！！！！！！

↑↓ Last Seen ▾	EVENTS	USERS
Sentry Example Backend Error with @sentry/cloudflare ● https://remix-sentry-sample.pages.dev/sentry-example-page REMIX-PAGES-SAMPLE-4 16s ago	1	1
Sentry Example Backend Error		

- もちろんhandleErrorにも使っていいよね

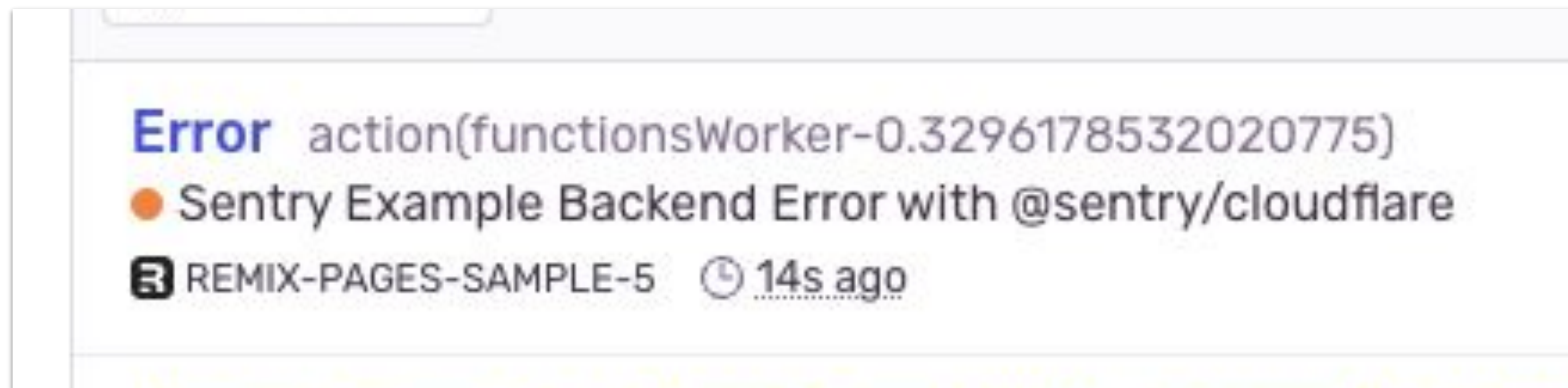
app/routes/hoge.tsx

```
export function action() {  
  throw new Error("Sentry Example Backend Error with @sentry/cloudflare");  
}
```

app/entry.server.tsx

```
import * as Sentry from "@sentry/cloudflare";  
  
export function handleError(error: unknown) {  
  Sentry.captureException(error);  
}
```

- やったぜ



`npx @sentry/wizard@latest -i sourcemaps`
で事前にソースマップをアップロードする運用にしておくと、なおよさそう

- @sentry/cloudflareの今後に期待

- まだアルファ版
- いつか @sentry/remix/cloudflare みたいなのも出てくるのかなあ
- 脱toucan-jsできそうなのはいい話なので、見守っていきたい



ご清聴ありがとうございました！

We are hiring!