

2025.09.25 제 7 회 DatadogKRUG Meet Up

Datadog RUM 본전 뽑기 (With APM)

윤 창 현 Changhyeon Yoon

Design Experience Team

Site Reliability Engineer,

미리디



Datadog Korea User Group

Datadog 한국 사용자 모임



윤창현

Changhyeon (Kevin) Yoon

미리디 - **Site Reliability Engineer**

Datadog - Ambassador (2024 ~)

Datadog Korea User Group - Lead Organizer (2024 ~)

Google Developer Groups Incheon - Organizer (2024 ~)

yun@changhyeon.net

[linkedin.com/in/yooniversedev](https://www.linkedin.com/in/yooniversedev)

미리캔버스

미리디의 웹 기반 디자인 툴. 디자인이 필요한 모두를 위한 올인원 플랫폼

디자인 저작 툴

miri canvas

설치가 필요없는
SaaS 기반
디자인 저작 툴

저작권 걱정없는
이미지, 폰트

템플릿으로
손쉽게 디자인부터
제작까지

1,600만
명

총 가입자 수
(2024년 12월 기준)

230만 명

월간 활성 사용자 수 (MAU)
(2024년 12월 기준)

5,000만
개

사용 가능한 디자인 요소
(2024년 05월 기준)



Client Side Monitoring by RUM



기초적인 내용은
넘어가겠습니다.



For Morden Frontend Architecture (Next.js, Micro Frontend...)



- Overview
- Optimize Vitals
- Frontend Errors
- Deployments
- Resources

Select Page: All

Overall Page Performance



Legend: Poor >4s (red), Needs improvement <=4s (yellow), Good <=2.5s (green)

Service dropdown menu:

- mc-web-2-desig...
- mc-web-2-home...
- mc-web-2-design
- mc-web-2-miricle
- mc-web-2-illust
- mc-web-2
- miricanvas-web
- miricanvas-web-2



```
const DESIGN_PATH_REGEX =
  /^\/design\/_next\/.*|^\/v2\/\?\?\?\/webview\/design.*|^\/v2\/webview\/design.*|^\/v2.*$/;
const DESIGN_2_PATH_REGEX = /.*/;
const HOMEPAGE_PATH_REGEX =
  /^\/homepage\/_next\/.*|^\/_next\/.*|^\/\?\?\?\/templates.*|^\/templates.*|^\/v2\/\?\?\?\/webview\/.*|^\/v2\/\?\?\?
\/signin|^\/v2\/webview\/.*|^\/v2\/signin|^\/v2\/api\/app\/version|^\/v2\/api\/config|^\/v2\/api\/.*|^\/mylist|^\/\?\?\?
\/|^\/\?\?\?|^\/campaign\/.*|^\/$/;
const MIRICLE_PATH_REGEX = /.*/;
const ILLUST_PATH_REGEX = /.*/;

datadogRum.init({
  ....,
  beforeSend: (event, context) => {
    const location = window?.location;
    if (location) {
      const { pathname } = location;
      if (DESIGN_2_PATH_REGEX.test(pathname)) {
        event.service = 'mc-web-2-design-2';
        event.version = process.env.NEXT_PUBLIC_MIRICANVAS_DESIGN_2_VERSION;
      } else if (DESIGN_PATH_REGEX.test(pathname)) {
        event.service = 'mc-web-2-design';
        event.version = process.env.NEXT_PUBLIC_MIRICANVAS_DESIGN_VERSION;
      } else if (HOMEPAGE_PATH_REGEX.test(pathname)) {
        event.service = 'mc-web-2-homepage';
        event.version = process.env.NEXT_PUBLIC_MIRICANVAS_HOMEPAGE_VERSION;
      } else if (MIRICLE_PATH_REGEX.test(pathname)) {
        event.service = 'mc-web-2-miricle';
        event.version = process.env.NEXT_PUBLIC_MIRICANVAS_MIRICLE_VERSION;
      } else if (ILLUST_PATH_REGEX.test(pathname)) {
        event.service = 'mc-web-2-illust';
        event.version = process.env.NEXT_PUBLIC_MIRICANVAS_ILLUST_VERSION;
      }
    }
    return true;
  },
});
```





```
NEXT_PUBLIC_MIRICANVAS_HOMEPAGE_VERSION=$(jq -r '.version // empty' apps/miricanvas-homepage/package.json
2>/dev/null | cut -d'-' -f1)
NEXT_PUBLIC_MIRICANVAS_HOMEPAGE_VERSION=${NEXT_PUBLIC_MIRICANVAS_HOMEPAGE_VERSION:-$VERSION}

NEXT_PUBLIC_MIRICANVAS_ILLUST_VERSION=$(jq -r '.version // empty' apps/miricanvas-illust/package.json
2>/dev/null | cut -d'-' -f1)
NEXT_PUBLIC_MIRICANVAS_ILLUST_VERSION=${NEXT_PUBLIC_MIRICANVAS_ILLUST_VERSION:-$VERSION}

NEXT_PUBLIC_MIRICANVAS_MIRICLE_VERSION=$(jq -r '.version // empty' apps/miricanvas-miricle/package.json
2>/dev/null | cut -d'-' -f1)
NEXT_PUBLIC_MIRICANVAS_MIRICLE_VERSION=${NEXT_PUBLIC_MIRICANVAS_MIRICLE_VERSION:-$VERSION}

NEXT_PUBLIC_MIRICANVAS_DESIGN_VERSION=$(jq -r '.version // empty' apps/miricanvas-design/package.json
2>/dev/null | cut -d'-' -f1)
NEXT_PUBLIC_MIRICANVAS_DESIGN_VERSION=${NEXT_PUBLIC_MIRICANVAS_DESIGN_VERSION:-$VERSION}

NEXT_PUBLIC_MIRICANVAS_DESIGN_2_VERSION=$(jq -r '.version // empty' apps/miricanvas-design-2/package.json
2>/dev/null | cut -d'-' -f1)
NEXT_PUBLIC_MIRICANVAS_DESIGN_2_VERSION=${NEXT_PUBLIC_MIRICANVAS_DESIGN_2_VERSION:-$VERSION}
```





DATADOG

Go to... ⌘ + K

- Recent
- Bits AI
- Dashboards
- Monitors
- Service Mgmt
- Actions
- Infrastructure
- Cloud Cost
- APM
- Digital Experience
- Software Delivery
- Security
- LLM Observability
- Errors
- Metrics
- Logs

Integrations

Notifications

chyoon@miridi...
MIRIDIH

Invite Support Help

Error
currentPageId is not defined
mc-web-2-design-2 webpack://_N_E/./src/slid
Last seen 18 minutes ago - 1 day old New Co

TypeError
* Cannot read properties of * (reading '*')
mc-web-2-design webpack://_N_E/./node_r
Last seen 1 minute ago - 6 days old Invalid ob

3-ELEMENT-FrameInnerItemAddComm
frameItem is not founded: *
mc-web-2-design-2 webpack://_N_E/./src/noc
Last seen 11 minutes ago - 1 day old New Co

TypeError
* Cannot read properties of undefined (reading 't'
mc-web-2-design-2 webpack://_N_E/./src/upl
Last seen 1 minute ago - about 20 hours old New

MiricanvasError
parentNode not found
mc-web-2-design-2 webpack://_N_E/./src/har
Last seen 1 minute ago - 1 day old New

3-TEXT-RANGE
Last text run of text body is not TextRun
mc-web-2-design-2 webpack://_N_E/./src/err
Last seen 18 minutes ago - 1 day old New Co

Error
* Error: Node not found: *
mc-web-2-design-2 webpack://_N_E/./src/con
Last seen 1 minute ago - 1 day old New

TypeError
Cannot read properties of undefined (reading 'acti
mc-web-2-design webpack://_N_E/./node_r
Last seen 12 minutes ago - 1 day old New In

3-ELEMENT-LAYOUT_SUGGESTION_THUI
3-ELEMENT-LAYOUT_SUGGESTION_THUMBNAI_EP
mc-web-2-design-2
Last seen 2 minutes ago - about 23 hours old New

Error
* targetPage not found

mc-web-2-design-2

MiricanvasError: parentNode not found

WHAT HAPPENED

The issue was last seen 1 minute ago (2:08 pm) on version 25.923
The issue was first seen 1 day ago (Sep 23, 11:35 am) on version 25.923

Filter errors

There were **36 errors** over the past about 1 hour



Suspect Commit

fix: editor 내 enforce-package-error-factory 위반사항 수정 refs: UNICORN-58775 · 9 days ago (Sep 15, 8:03 pm) View Commit

Error Sample All Errors

Error Stack
Latest event with session replay within your filters and selected time period.

Event Group Into Patterns Sep 24 14:01:47.611 (8 minutes ago)

Pretty Raw

```
MiricanvasError: parentNode not found
  <floating-toolbox/DeleteHandleView.tsx at line 32:34
27
28
29
30
31
32
33
34
35
36
37
Code owners: @miridih/dxdev-engine-lead @miridih-yckim
<anonymous>
  > floating-toolbox/ConfirmHandleView.tsx at line 67:3
  > floating-toolbox/DeleteHandleView.tsx at line 37:5
```

Session Replay And Timeline

Use ↑ / ↓ to view previous/next issue

Open in IDE Actions **FOR REVIEW**

UTC+09:00 1h Past 1 Hour

Details Activity 1

Ownership NEW

Team DX-프론트엔드-SRE

Assigned to 해동 김

Impact
28 sessions < 1%

Tags + Add tags

Error Distribution Views Affected

VIEW NAME
N2?? 100%

BROWSER NAME
Chrome 89%
Samsung Internet 6%
Whale 6%

VERSION
25.923 100%

ENV
prd 100%

```

export class MiricanvasError extends Error implements Loggable, DDLoggable {
    public readonly scope: MiricanvasError.Scope;
    public readonly shouldIgnore: boolean;
    public readonly dd_context: Record<string, unknown>;

    constructor(message: string);
    constructor(params: MiricanvasErrorParams);
    constructor(messageOrParams: string | MiricanvasErrorParams) {
        if (typeof messageOrParams === 'string') {
            super(messageOrParams);
            this.name = 'MiricanvasError';
            this.scope = 'unknown';
            this.shouldIgnore = false;
            this.dd_context = {
                source: 'miricanvas-web-2',
            };
        } else {
            super(messageOrParams.message, { cause: messageOrParams.cause });
            this.name = 'MiricanvasError';
            this.scope = messageOrParams.scope ?? 'unknown';
            this.shouldIgnore = messageOrParams.shouldIgnore ?? false;
            this.dd_context = {
                source: 'miricanvas-web-2',
                ...(this.scope !== 'unknown' && { scope: messageOrParams.scope }),
                cause: messageOrParams.cause,
            };
        }
    }

    static is(error: unknown): error is MiricanvasError {
        return error instanceof MiricanvasError;
    }
}

```

```

export class AiStyleSearchError extends MiricanvasError {
    public readonly cause: { resultCode: AiStyleSearchErrorCodeType };

    constructor(params: AiStyleSearchErrorParams) {
        super({
            scope: 'design-resource',
            message: params.message,
            cause: {
                resultCode: params.resultCode,
            },
        });
        this.name = 'Miricanvas.AiStyleSearchError';
    }
}

```

```

export const usePostDesignThumbnailStyleSearch = () => {
    const { mutateAsync: postDesignThumbnailStyleSearchMutation } = useMutation({
        mutationFn: (params: StyleSearchRequest) => postDesignThumbnailStyleSearch(params),

        onError: (error: AxiosError) => {
            if (error.response?.status === 400) {
                return onStyleSearchError(
                    new AiStyleSearchError({
                        resultCode: AI_STYLE_SEARCH_ERROR_CODE.UPLOAD_FAIL,
                        message: 's3 업로드 실패',
                    })
                );
            }

            if (error.response?.status === 500) {
                return onStyleSearchError(
                    new AiStyleSearchError({
                        resultCode: AI_STYLE_SEARCH_ERROR_CODE.TEMPORARY_FAIL,
                        message: '벡터 추출 실패 or 알 수 없는 오류',
                    })
                );
            }

            return onStyleSearchError(
                new AiStyleSearchError({
                    resultCode: AI_STYLE_SEARCH_ERROR_CODE.UNKNOWN_ERROR,
                    message: '벡터 추출 API 호출 실패',
                })
            );
        }
    });
}

```



RUM Session Conditional Activation



RUM Session

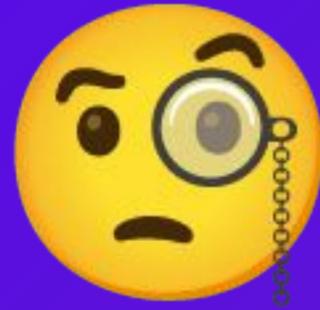
최대 4시간 세션 유지

유저가 4시간 1초 사용했다면 2개의 세션으로 인식

5시간을 이용했다면 마지막 1시간은 세션이 안잡힐 수도 있음

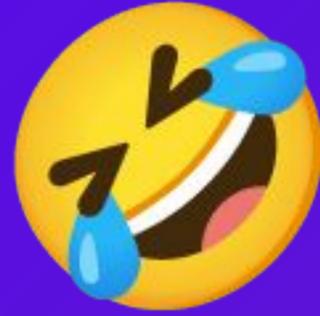
4시간 유지가 아닌 세션이 시작된 시간으로 부터 4시간 기준





이 부분에 접속하는 세션은
100% 다 보고 싶은데...





이벤트로 인해 갑자기 유저가 많이 들어와서
RUM 예산을 곧 초과할 것 같아



Get Sample Rate from Remote



```
const getDatadogSampleRate = useCallback(async (forceInit = false) => {
  if (forceInit) {
    const MAX_SAMPLE_RATE = 100;
    return MAX_SAMPLE_RATE;
  }

  const DEFAULT_SAMPLE_RATE = 10;
  const configUrl = `${getBaseUrl()}${V2_BASE_PATH}/api/config?key=datadog`;

  try {
    const datadogConfigResponse = await fetch(configUrl);
    const datadogConfig = await datadogConfigResponse.json();
    return datadogConfig?.sampleRate?.app || DEFAULT_SAMPLE_RATE;
  } catch (error: unknown) {
    console.error('[Datadog Config Get Error]', error);
    return DEFAULT_SAMPLE_RATE;
  }
}, []);
```



Datadog Force Init

Conditional Activation

```
const BOT_PATTERN_REGEX =
  /(googlebot\\|bot|Googlebot-Mobile|Googlebot-Image|Google favicon|...|bot)/i;

export const useDatadog = (forceInit?: boolean) => {
  ...

  const initDatadog = useCallback(async () => {
    const regex = new RegExp(BOT_PATTERN_REGEX, 'i');

    const conditionalSampleRate = !BuildEnv.IS_PRODUCTION
      ? 100 // 프로덕션 아니면 100%
      : forceInit
      ? 100 // 강제 초기화 플래그 있으면 100%
      : regex.test(navigator.userAgent)
      ? 0 // 봇이면 0%
      : countryCode !== CountryEnum.KR
      ? 100 // 한국 아니면 100%
      : rometeSampleRate !== undefined
      ? Number(rometeSampleRate)
      : 1;

    if (!forceInit && Math.random() * 100 >= conditionalSampleRate) {
      return;
    }

    try {
      datadogRum.init({
        ...,
        sessionSampleRate: 100,
        sessionReplaySampleRate: 100,
        profilingSampleRate: 100,
        startSessionReplayRecordingManually: true,
        telemetrySampleRate: 100,
      });
      datadogRum.startSessionReplayRecording();
    } catch (e) {
      LogUtil.error.dev('Failed to initialize Datadog', e);
    }
  }, [forceInit, countryCode]);

  ...
}
```



Eazy Error debugging by Sourcemap Upload



Sourcemap Upload



Datadog Sourcemap 업로드

```
RUN --mount=type=secret,id=datadog_api_key \  
    DATADOG_SITE=datadoghq.com \  
    DATADOG_API_HOST=api.datadoghq.com \  
    DATADOG_API_KEY=$(cat /run/secrets/datadog_api_key) \  
    DATADOG_VERSION=${APP_VERSION} \  
    DD_GIT_REPOSITORY_URL=${DD_GIT_REPOSITORY_URL} \  
    DD_GIT_COMMIT_SHA=${DD_GIT_COMMIT_SHA} \  
    npx @datadog/datadog-ci sourcemaps upload ./apps/${APP_NAME}/.next \  
    --service=mc-web-2-${NEXT_PUBLIC_MIRICANVAS_APP_NAME} \  
    --release-version=${APP_VERSION} \  
    --minified-path-prefix=/${NEXT_PUBLIC_MIRICANVAS_APP_NAME}/${APP_VERSION}/_next \  
    --repository-url=https://github.com/...; \  
fi
```

모든 경로에서 .map 및 .map.gz 파일 제거

```
RUN find . -name "*.map" -type f -delete && \  
    find . -name "*.map.gz" -type f -delete
```



Sourcemap Upload



Datadog Sourcemap 업로드

```
RUN --mount=type=secret,id=datadog_api_key \  
    DATADOG_SITE=datadoghq.com \  
    DATADOG_API_HOST=api.datadoghq.com \  
    DATADOG_API_KEY=$(cat /run/secrets/datadog_api_key) \  
    DATADOG_VERSION=${APP_VERSION} \  
    DD_GIT_REPOSITORY_URL=${DD_GIT_REPOSITORY_URL} \  
    DD_GIT_COMMIT_SHA=${DD_GIT_COMMIT_SHA} \  
    npx @datadog/datadog-ci sourcemaps upload ./apps/${APP_NAME}/.next \  
    --service=mc-web-2-${NEXT_PUBLIC_MIRICANVAS_APP_NAME} \  
    --release-version=${APP_VERSION} \  
    --minified-path-prefix=/${NEXT_PUBLIC_MIRICANVAS_APP_NAME}/${APP_VERSION}/_next \  
    --repository-url=https://github.com/...; \  
fi
```

모든 경로에서 .map 및 .map.gz 파일 제거

```
RUN find . -name "*.map" -type f -delete && \  
    find . -name "*.map.gz" -type f -delete
```



Sourcemap Upload



Datadog Sourcemap 업로드

```
RUN --mount=type=secret,id=datadog_api_key \  
    DATADOG_SITE=datadoghq.com \  
    DATADOG_API_HOST=api.datadoghq.com \  
    DATADOG_API_KEY=$(cat /run/secrets/datadog_api_key) \  
    DATADOG_VERSION=${APP_VERSION} \  
    DD_GIT_REPOSITORY_URL=${DD_GIT_REPOSITORY_URL} \  
    DD_GIT_COMMIT_SHA=${DD_GIT_COMMIT_SHA} \  
npx @datadog/datadog-ctl sourcemaps upload ./apps/${APP_NAME}/.next \  
--service=mc-web-2-${NEXT_PUBLIC_MIRICANVAS_APP_NAME} \  
--release-version=${APP_VERSION} \  
--minified-path-prefix=/${NEXT_PUBLIC_MIRICANVAS_APP_NAME}/${APP_VERSION}/_next \  
--repository-url=https://github.com/...; \  
fi
```

모든 경로에서 .map 및 .map.gz 파일 제거

```
RUN find . -name "*.map" -type f -delete && \  
    find . -name "*.map.gz" -type f -delete
```



My Teams: mc-web-2-design-2 (8), mc-web-2-design (3), mc-web-2 (11), mc-app, cp-printhub, mc-bff-web, cp-bizhows.

Env: mc-web-2 (11), mc-app, cp-printhub, mc-bff-web, cp-bizhows.

Version: mc-web-2 (11), mc-app, cp-printhub, mc-bff-web, cp-bizhows.

Error Type: IndexSizeError (checked), TypeError, Error, MircanvasError, AxiosError, NotFoundError, Mircanvas.AIPresentationE, NotAllowedError, AbortError, 3-TEXT-FONT, IgnoredEventCancel, InvalidStateError, RangeError, HierarchyRequestError, SyntaxError, FetchError, ErrorBoundaryError-NodeV, font-src, 3-TEXT-RANGE, PreventDefaultPassive, ErrorBoundaryError-RootVi, BeforeUnloadNoGesture, UnknownError, 1-FRAMEWORK-ServerRepo, Mircanvas.CollaborationErr, ChunkLoadError, 1-TEXT-COMMAND, s, ReferenceError, 1-TEXT-IMPORTER, 2-ELEMENT-TableItemValida, 2-FRAMEWORK-BackspaceE, ObjectUnsubscribedError, 1-FRAMEWORK-CommandE, ErrorBoundaryError-Timelin, ErrorBoundaryError-Propre, 3-ELEMENT-LAYOUT_SUGGE, 3-ELEMENT-PageBackaroun.

Issue Details for IndexSizeError: renderLatestSelection 중 오류 발생해 텍스트 맨 뒤에 커서가 위치하도록 처리 TextBodyString: * : * TextBody * ...

WHAT HAPPENED: The issue was last seen 27 minutes ago (4:36 pm) on version 25.923hotfix2. The issue was first seen 1 day ago (Sep 23, 12:35 pm) on version 25.923.

application.id:72c25734-cc1a-4e2b-bf0e-04b0e1b6d38b error.type:IndexSizeError

There were 34 errors over the past 1 day. [Bar chart showing error frequency]

Suspect Commit: feat: 텍스트 편집 최초 진입 시 선택영역 렌더 디바운싱 해제 최초 진입 시에도 디바운싱으로 실행하면 편집 상태로 느끼기 진입하는 것처럼 느껴짐 refs: UNICORN-57254 · 1 month ago (Aug 19, 6:45 pm) [View Commit]

Error Stack: Latest event with session replay within your filters and selected time period. [Event Group Into Patterns Sep 24 16:36:54.879 (27 minutes ago)]

IndexSizeError: Failed to execute 'setStart' on 'Range': The offset 4294967295 is invalid.

Code owners: @miridih/dxdev-engine-lead @miridih-yckim

Details Activity 1

Ownership NEW: DX-프론트엔드-SRE

Assigned to: [User]

Impact: 26 sessions < 1%

Tags: Error Distribution, Views Affected

VIEW NAME: iv2?? 100%

BROWSER NAME: Chrome 100%

VERSION: 25.923 (97%), 25.923hotfix2 (3%)

ENV: prd 100%

Browser Profiling

2025 DASH New Release





Go to... + K

- Recent
- Bits AI
- Dashboards
- Monitors
- Service Mgmt
- Actions
- Infrastructure
- Cloud Cost
- APM
- Digital Experience
- Software Delivery
- Security
- LLM Observability
- Errors
- Metrics
- Logs
- Integrations
- Notifications
- chyoon@miridi...
MIRIDIH
- Invite
- Support
- Help

Performance Console 9 Errors 0 Attributes

Event Type
 Long Tasks Show Timings
 18.5s



NAME	SIZE	DURATION	T	I	LE	FC	LC	1.97s	5.0s	LT	10.0s	15.0s
Long Task 2 scripts	2/2	128ms										
Long Task 1 script	2/2	103ms										
Long Task 2 scripts	2/2	211ms										
Long Task 3 scripts	2/2	114ms										
Long Task 6 scripts	2/2	105ms										
Long Task 6 scripts	2/2	198ms										
Long Task 2 scripts	2/2	73ms										
Long Task 3 scripts	2/2	66ms										
Long Task 4 scripts	2/2	51ms										
Long Task 2 scripts	2/2	55ms										
Long Task 1 script	2/2	54ms										
Long Task 1 script	2/2	102ms										
Long Task 4 scripts	2/2	157ms										
Long Task 1 script	2/2	61ms										
Long Task 1 script	2/2	51ms										
Long Task 1 script	2/2	60ms										
Long Task 4 scripts	2/2	247ms										
Long Task 1 script	2/2	93ms										
Long Task 1 script	2/2	96ms										
Long Task 1 script	2/2	71ms										
Long Task 1 script	2/2	97ms										
Long Task 2 scripts	2/2	278ms										
Long Task 2 scripts	2/2	121ms										
Long Task 3 scripts	2/2	133ms										
Long Task 1 script	2/2	105ms										
Long Task 1 script	2/2	54ms										
Long Task 4 scripts	2/2	103ms										
Long Task 3 scripts	2/2	291ms										
Long Task 1 script	2/2	59ms										
Long Task 3 scripts	2/2	101ms										

EVENT TIMINGS

LARGEST CONTENTFUL PAINT
● 1.56s

- Time To First Byte 88.3ms
- DOM Interactive 236.2ms
- DOM Content Loaded 551.5ms
- DOM Complete 554.2ms
- Load Event 554.3ms
- First Contentful Paint 1212ms
- Loading Time 5.63s

Measures

CUMULATIVE LAYOUT SHIFT
● 0.1363

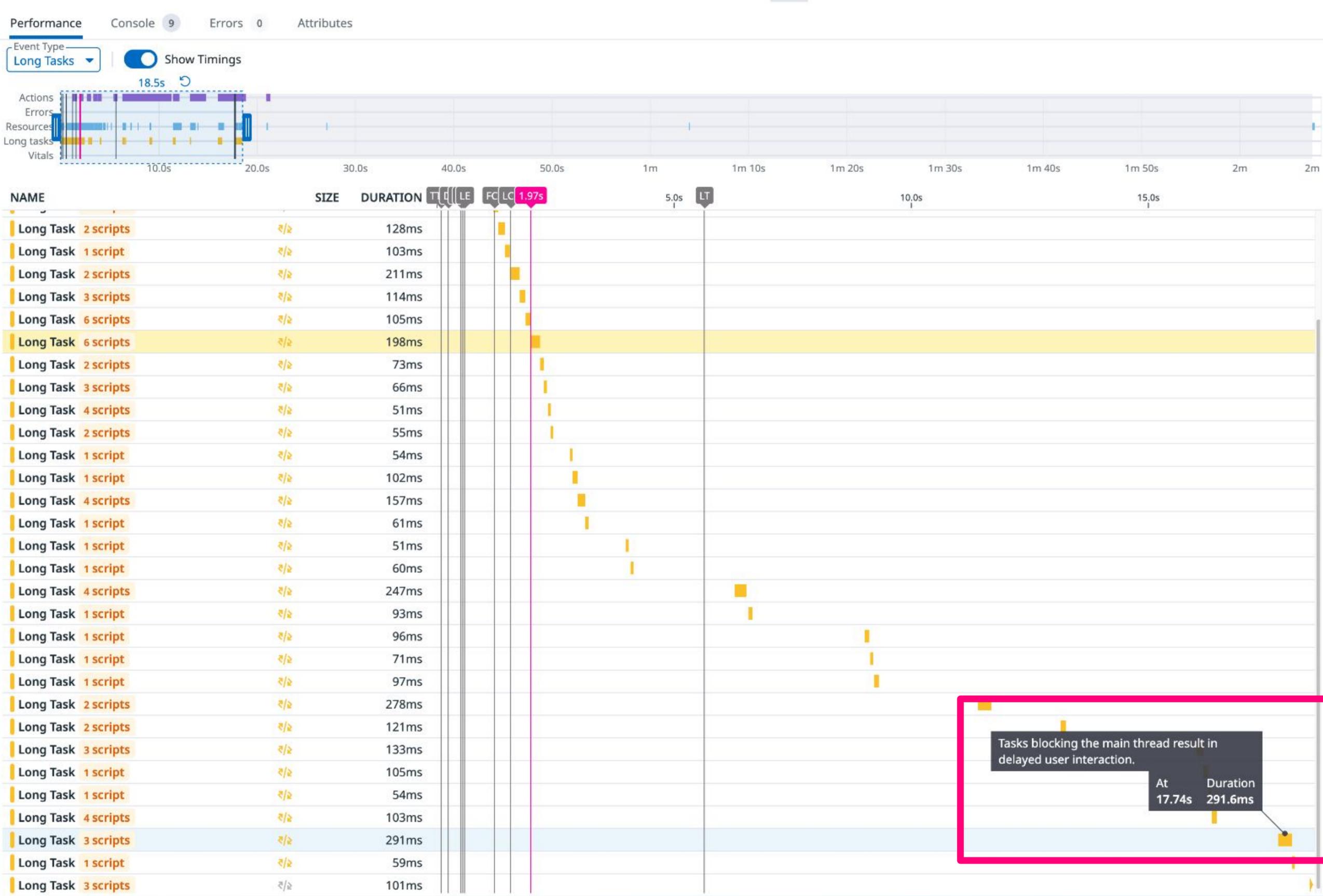
INTERACTION TO NEXT PAINT
● 320ms

First Input Delay 1200μs



Go to... ⌘ + K

- Recent
- Bits AI
- Dashboards
- Monitors
- Service Mgmt
- Actions
- Infrastructure
- Cloud Cost
- APM
- Digital Experience
- Software Delivery
- Security
- LLM Observability
- Errors
- Metrics
- Logs
- Integrations
- Notifications
- chyoon@miridi...
MIRIDIH
- Invite Support Help



EVENT TIMINGS

- LARGEST CONTENTFUL PAINT** 1.56s
- Time To First Byte 88.3ms
- DOM Interactive 236.2ms
- DOM Content Loaded 551.5ms
- DOM Complete 554.2ms
- Load Event 554.3ms
- First Contentful Paint 1212ms
- Loading Time 5.63s

Measures

- CUMULATIVE LAYOUT SHIFT** 0.1363
- INTERACTION TO NEXT PAINT** 320ms
- First Input Delay 1200µs

Tasks blocking the main thread result in delayed user interaction.

At 17.74s Duration 291.6ms



DATADOG

Go to... ⌘ + K

- Recent
- Bits AI
- Dashboards
- Monitors
- Service Mgmt
- Actions
- Infrastructure
- Cloud Cost
- APM
- Digital Experience
- Software Delivery
- Security
- LLM Observability
- Errors
- Metrics
- Logs
- Integrations
- Notifications
- chyoon@miridi...
MIRIDIH
- Invite Support Help

Performance Console 9 Errors 0 Attributes

Event Type Long Tasks Show Timings



NAME	SIZE	DURATION	T	E	LE	FC	LC	1.97s	5.0s	LT	10.0s	15.0s
Long Task 2 scripts	2/2	128ms										
Long Task 1 script	2/2	103ms										
Long Task 2 scripts	2/2	211ms										
Long Task 3 scripts	2/2	114ms										
Long Task 6 scripts	2/2	105ms										
Long Task 6 scripts	2/2	198ms										
Long Task 2 scripts	2/2	73ms										
Long Task 3 scripts	2/2	66ms										
Long Task 4 scripts	2/2	51ms										
Long Task 2 scripts	2/2	55ms										
Long Task 1 script	2/2	54ms										
Long Task 1 script	2/2	102ms										
Long Task 4 scripts	2/2	157ms										
Long Task 1 script	2/2	61ms										
Long Task 1 script	2/2	51ms										
Long Task 1 script	2/2	60ms										
Long Task 4 scripts	2/2	247ms										
Long Task 1 script	2/2	93ms										
Long Task 1 script	2/2	96ms										
Long Task 1 script	2/2	71ms										
Long Task 1 script	2/2	97ms										
Long Task 2 scripts	2/2	278ms										
Long Task 2 scripts	2/2	121ms										
Long Task 3 scripts	2/2	123ms										
Long Task 1 script	2/2	105ms										
Long Task 1 script	2/2	105ms										
Long Task 4 scripts	2/2	105ms										
Long Task 3 scripts	2/2	291ms										
Long Task 1 script	2/2	50ms										
Long Task 3 scripts	2/2	101ms										

Profiling data available for this Long Task. Click to see more.

Tasks blocking the main thread result in delayed user interaction.

At 17.74s Duration 291.6ms

EVENT TIMINGS

LARGEST CONTENTFUL PAINT
● 1.56s

- Time To First Byte 88.3ms
- DOM Interactive 236.2ms
- DOM Content Loaded 551.5ms
- DOM Complete 554.2ms
- Load Event 554.3ms
- First Contentful Paint 1212ms
- Loading Time 5.63s

Measures

CUMULATIVE LAYOUT SHIFT
● 0.1363

INTERACTION TO NEXT PAINT
● 320ms

First Input Delay 1200µs





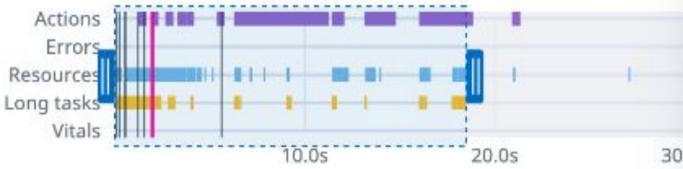
DATADOG

Go to... + K

- Recent
- Bits AI
- Dashboards
- Monitors
- Service Mgmt
- Actions
- Infrastructure
- Cloud Cost
- APM
- Digital Experience
- Software Delivery
- Security
- LLM Observability
- Errors
- Metrics
- Logs
- Integrations
- Notifications
- chyoon@miridi...
MIRIDIH
- Invite Support Help

Performance Console 9 Errors 0 Attributes

Event Type: Long Tasks Show Timings



NAME	SIZE	D
Long Task 2 scripts	2/2	
Long Task 1 script	1/2	
Long Task 2 scripts	2/2	
Long Task 3 scripts	2/2	
Long Task 6 scripts	2/2	
Long Task 6 scripts	2/2	
Long Task 2 scripts	2/2	
Long Task 3 scripts	2/2	
Long Task 4 scripts	2/2	
Long Task 2 scripts	2/2	
Long Task 1 script	1/2	
Long Task 1 script	1/2	
Long Task 4 scripts	2/2	
Long Task 1 script	1/2	
Long Task 1 script	1/2	
Long Task 1 script	1/2	
Long Task 1 script	1/2	
Long Task 4 scripts	2/2	
Long Task 1 script	1/2	
Long Task 1 script	1/2	
Long Task 2 scripts	2/2	
Long Task 2 scripts	2/2	
Long Task 3 scripts	2/2	
Long Task 1 script	1/2	
Long Task 1 script	1/2	
Long Task 4 scripts	2/2	
Long Task 3 scripts	2/2	
Long Task 1 script	1/2	
Long Task 3 scripts	2/2	

LONG TASK Long task of 291.6ms on /v2/?/?

service:mc-web-2-design-2 version:25.923 browser Windows env:prd Whale South Korea

Teams 0 Jump to Replay Open Fullscreen

Sep 24, 2:00:45 pm

PARENT SESSION Browser session lasting 2m by user

VIEW Load Page /v2/?

ACTION click on S

Performance NEW Attributes

User Input * 50ms

Long Task: 292ms

Processing time

Th... Event listener: DIV#_next.onclick

Event listener: DIV#_next.onclick 256ms

The total time taken by functions registered for a specific event, from the moment the event fires to when the last handler completes.

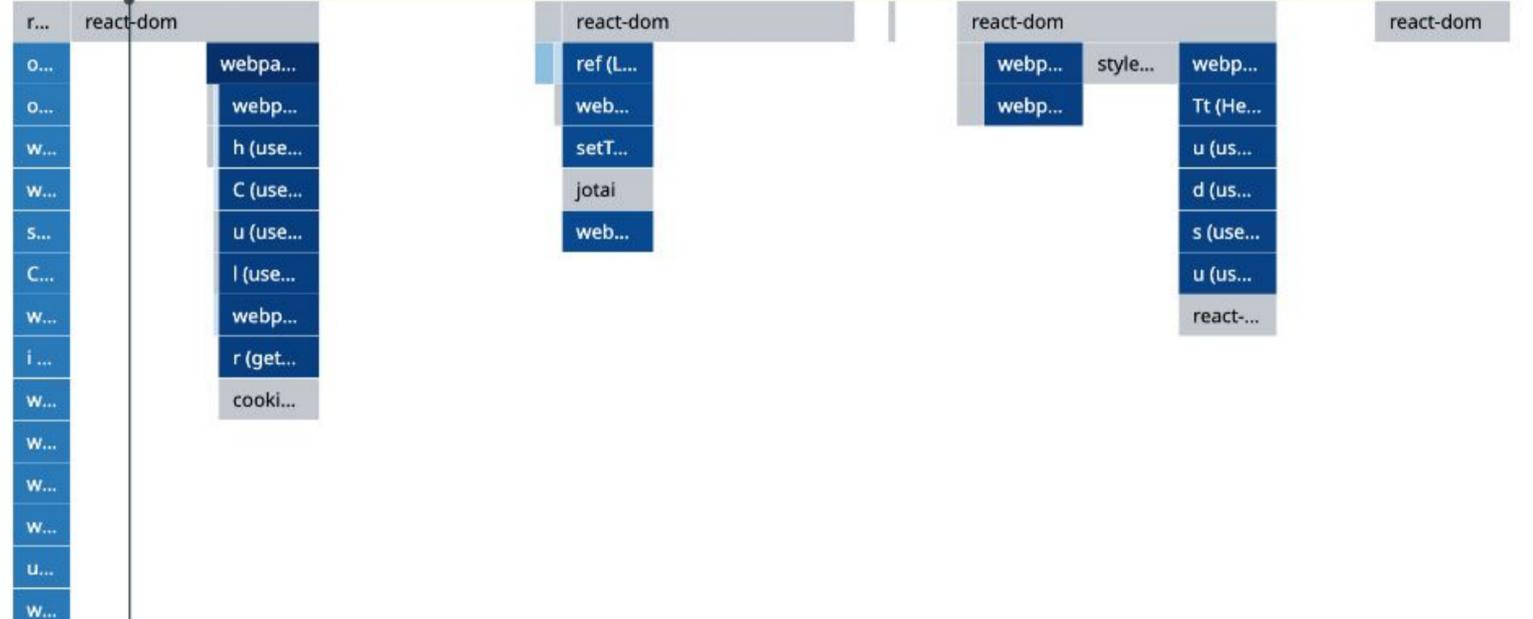
invoker:DIV#_next.onclick invoker_type:event-listener

forced_style_and_layout_duration:42ms

source_url:https://www.miricanvas.c...ic/chunks/70061-dadab4dac9cdb6de.js

Wall Time (87.8% of profile)

Tap Opt to lock tooltip



RUM Profiles

Function Search function

- react-dom 104ms
- cookies-next 17ms
- webpack://_N_E/.../packag... 17ms
- webpack://_N_E/.../packag... 16ms
- styled-components 16ms
- webpack://_N_E/.../packag... 15ms
- Ey (373-59256f9d3c79d817.js) 10ms
- @tanstack/virtual-core 4ms
- webpack://_N_E/.../packages... 3ms
- jotai 1ms
- react-i18next 1ms
- webpack://_N_E/.../packag... < 1ms



DATADOG

Go to... + K

Recent

Bits AI

Dashboards

Monitors

Service Mgmt

Actions

Infrastructure

Cloud Cost

APM

Digital Experience

Software Delivery

Security

LLM Observability

Errors

Metrics

Logs

Integrations

Notifications

chyoon@miridi...
MIRIDIH

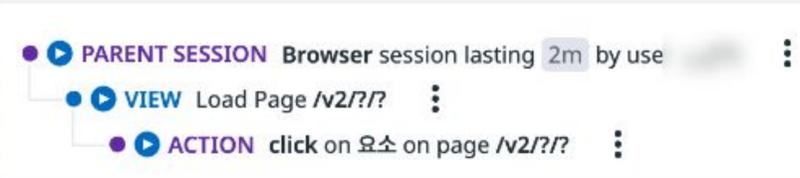
Invite Support Help

Performance Console 9 Errors 0 Attributes

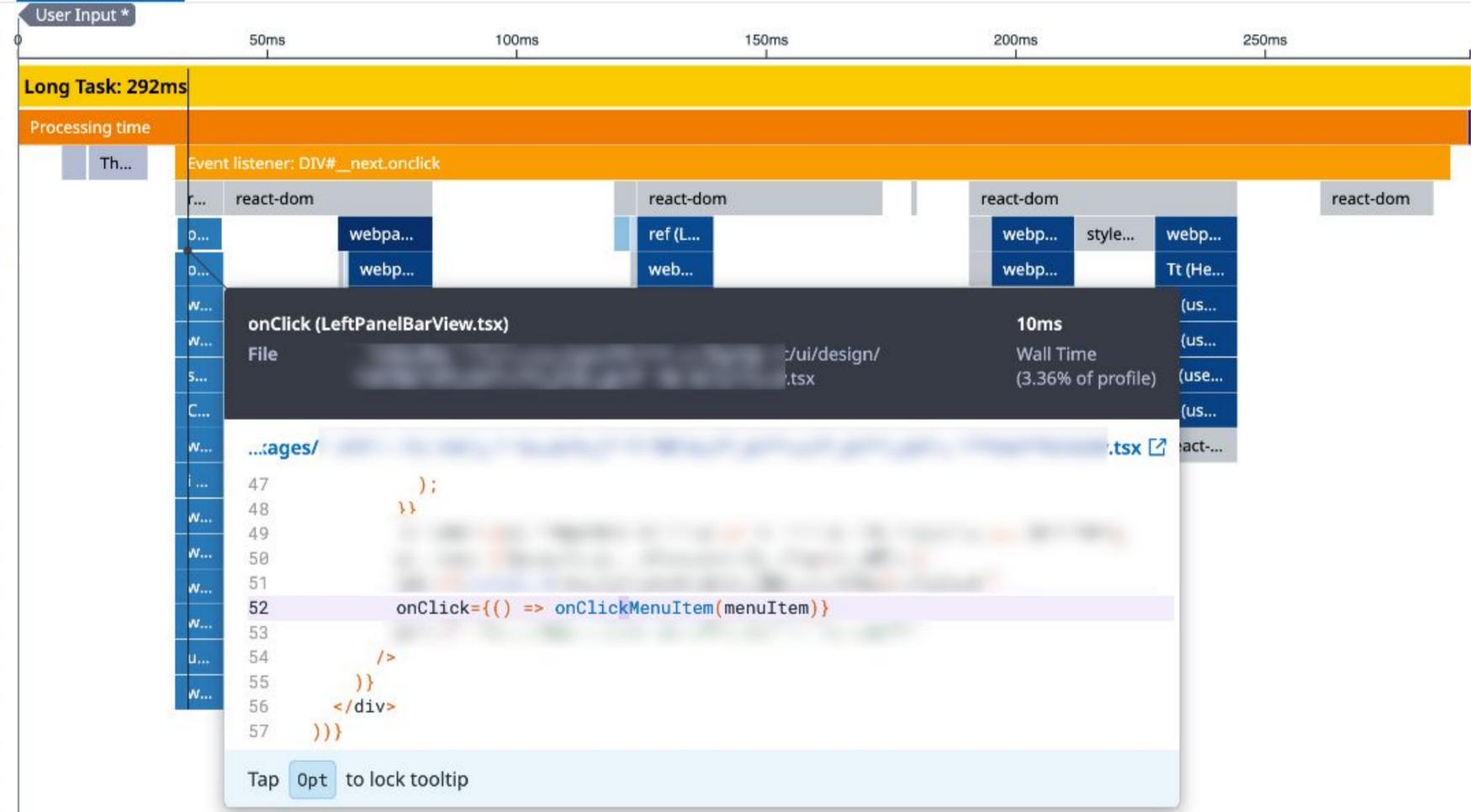


NAME	SIZE	D
Long Task 2 scripts	2/2	
Long Task 1 script	2/2	
Long Task 2 scripts	2/2	
Long Task 3 scripts	2/2	
Long Task 6 scripts	2/2	
Long Task 6 scripts	2/2	
Long Task 2 scripts	2/2	
Long Task 3 scripts	2/2	
Long Task 4 scripts	2/2	
Long Task 2 scripts	2/2	
Long Task 1 script	2/2	
Long Task 1 script	2/2	
Long Task 4 scripts	2/2	
Long Task 1 script	2/2	
Long Task 1 script	2/2	
Long Task 1 script	2/2	
Long Task 4 scripts	2/2	
Long Task 1 script	2/2	
Long Task 1 script	2/2	
Long Task 1 script	2/2	
Long Task 1 script	2/2	
Long Task 2 scripts	2/2	
Long Task 2 scripts	2/2	
Long Task 3 scripts	2/2	
Long Task 1 script	2/2	
Long Task 1 script	2/2	
Long Task 4 scripts	2/2	
Long Task 3 scripts	2/2	
Long Task 1 script	2/2	
Long Task 3 scripts	2/2	

LONG TASK Long task of 291.6ms on /v2/?/? service:mc-web-2-design-2 version:25.923 browser Windows env:prd Whale South Korea Sep 24, 2:00:45 pm



Performance NEW Attributes Replay



RUM Profiles

Function	Search function	Time
react-dom		104ms
cookies-next		17ms
webpack://_N_E/.../packag...		17ms
webpack://_N_E/.../packag...		16ms
styled-components		16ms
webpack://_N_E/.../packag...		15ms
Ey (373-59256f9d3c79d817.js)		10ms
@tanstack/virtual-core		4ms
webpack://_N_E/.../packages...		3ms
jotai		1ms
react-i18next		1ms
webpack://_N_E/.../packag...		< 1ms



그래서 그거 어떻게 하는건데요?



Browser Profiling



PRODUCT CUSTOMERS PRICING SOLUTIONS



ABOUT BLOG LOGIN

GET STARTED FREE

Datadog Docs

Search documentation...

Real User Monitoring

Browser Monitoring
Mobile and TV Monitoring
Platform

Session Replay
Exploring RUM Data
Correlate RUM with Other
Telemetry

Correlate LLM with RUM
Correlate Logs with RUM
Correlate Profiling with RUM
Correlate Synthetics with RUM
Correlate Traces with RUM

Feature Flag Tracking
Error Tracking
RUM Without Limits
Ownership of Views
Guides
Data Security

Synthetic Testing and
Monitoring

Continuous Testing

Product Analytics

SOFTWARE DELIVERY

DOCS > RUM & SESSION REPLAY > CORRELATE RUM EVENTS WITH OTHER TELEMETRY > CORRELATE
RUM AND PROFILING

Correlate RUM and Profiling

Join the Preview!

Browser Profiling is in Preview.

Request Access

LANGUAGE

English

DATADOG SITE

US1

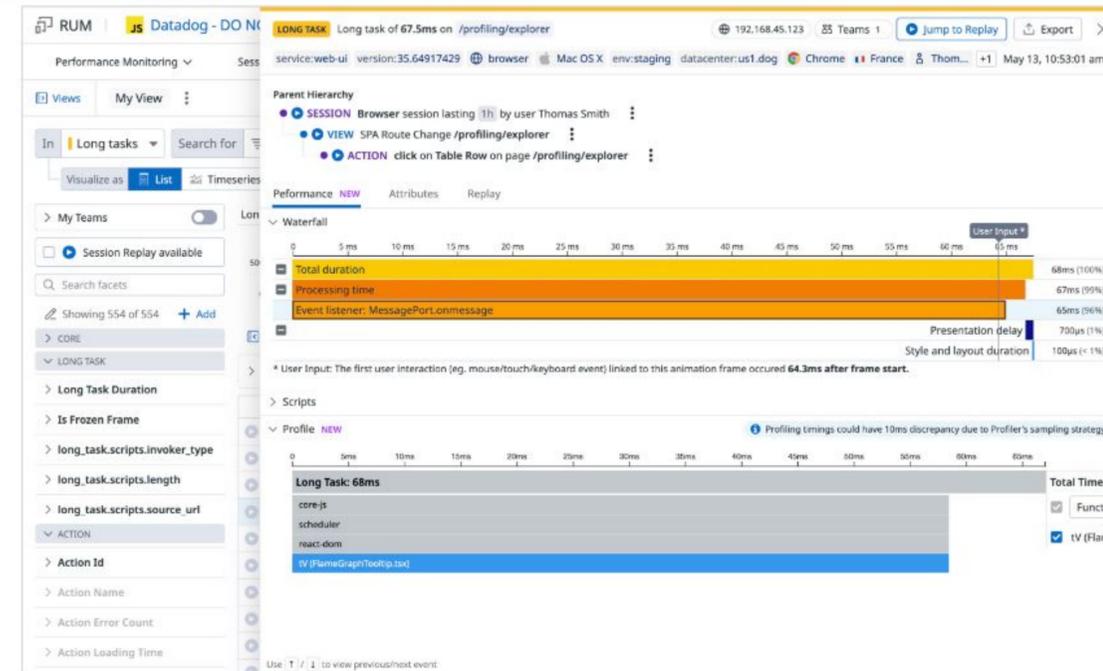
EDIT

ON THIS PAGE

Overview

Usage

Further Reading



Browser Profiling

Browser SDK version 6.12 or later is required.



```
app.get("/", (request, response) => {  
  ...  
  response.set("Document-Policy", "js-profiling");  
  ...  
});  
  
app.get("/", (request, response) => {  
  ...  
  response.header("Access-Control-Allow-Origin", "*");  
  response.header("Access-Control-Allow-Headers",  
  ...  
});
```



- CloudFront
 - Distributions
 - Policies**
 - Functions
 - Static IPs
 - VPC origins
 - What's new
- ▼ SaaS
 - Multi-tenant distributions
 - Distribution tenants
- ▼ Telemetry
 - Monitoring
 - Alarms
 - Logs
- ▼ Reports & analytics
 - Cache statistics
 - Popular objects
 - Top referrers
 - Usage
 - Viewers
- ▼ Security
 - Origin access
 - Field-level encryption
- ▼ Key management
 - Public keys
 - Key groups
- ▼ Savings Bundle

miricanvas-datadog-response-header Edit Delete

Details Services

Description For Datadog Browser Profiler	ID  [blurred ID]	Last modified September 4, 2025 at 8:16:26 AM UTC
--	---	---

Custom headers Info

Header	Value	Origin override
Document-Policy	js-profiling	disabled

Distributions

[Blurred content]

Server Side Monitoring by APM

For Morden Frontend Framework



기초적인 내용은
넘어가겠습니다.



Next.js APM



Next.js APM



```
// existing command  
"start": "next start",  
  
// suggested command  
"start": "node --require dd-trace/init ./node_modules/.bin/next start",  
"start": "NODE_OPTIONS='--require dd-trace/init' ./node_modules/.bin/next start"  
  
// OR  
NODE_OPTIONS='--require dd-trace/init' npm start
```



Next.js APM



```
// existing command
"start": "next start",

// suggested command
"start": "node --require dd-trace/init ./node_modules/.bin/next start",
"start": "NODE_OPTIONS='--require dd-trace/init' ./node_modules/.bin/next start"

// OR
NODE_OPTIONS='--require dd-trace/init' npm start
```



Next.js instrumentation



```
// instrumentation.ts
export async function register() {
  if (process.env.NEXT_RUNTIME === 'nodejs') {
    // MEMO Datadog APM
    const { tracer } = await import('dd-trace');

    tracer.init({
      version: process.env.NEXT_PUBLIC_MIRICANVAS_VERSION,
      env: process.env.NEXT_PUBLIC_DD_ENV || process.env.NEXT_PUBLIC_ENV,
      service: 'mc-web-2',
      sampleRate: 1,
      profiling: true,
      runtimeMetrics: true,
      logInjection: true,
      startupLogs: true,
    });

    tracer.use('next', {
      enabled: true,
      measured: true,
    });

    tracer.use('net', {
      enabled: false
    })

    const provider = new tracer.TracerProvider();

    provider.register();
  }
}
```

next	>=9.5	Fully supported	<p>See note on Complex framework usage.</p> <p>The tracer supports the following Next.js features:</p> <ul style="list-style-type: none">- Standalone (output: 'standalone')- App Router- Middleware: Not traced, use tracer versions 4.18.0 and 3.39.0 or higher for best experience. <p>Note: Next.js is under heavy active development, and it is not uncommon for patch releases to break compatibility with dd-trace. Test automations alert Datadog to these issues, but it can often take a few days to fix compatibility with the latest Next.js release.</p>
----------------------	-------	-----------------	--



Dashboard for Frontend Monitoring



Search dashboards

Hide Controls

Edit Teams Add to Delete

My Teams

Filter

All Dashboards
452 total

NAME	AUTHOR	TEAMS	MODIFIED	POPULARITY
<input type="checkbox"/> ★ Miricanvas Web 2 Site Reliability Dashboard [Production]	Changhyun Yun		Sep 9, 1:32 pm	
<input type="checkbox"/> ★ 프론트엔드 정기점검 V2	Gyuhyun Han		Aug 25, 3:20 pm	
<input type="checkbox"/> ★ Datadog Korea: RUM	Seongwoo Park	Shared	Aug 18, 3:56 pm	
<input type="checkbox"/> ★ Design 2.0 Performance Observer Dashboard	Changhyun Yun		Sep 22, 4:48 pm	
<input type="checkbox"/> ★ Frontend Error : Miricanvas	Changhyun Yun	DX-프론트엔드-모바일 앱 +1	Apr 3, 4:39 pm	
<input type="checkbox"/> ★ Tracked API Request Dashboard	Changhyun Yun		Aug 7, 10:08 am	
<input type="checkbox"/> k6				
<input type="checkbox"/> ★ MFA 404 Monitoring	Changhyun Yun		Nov 13, 2024, 6:59 pm	
<input type="checkbox"/> 디자인 동시편집 통합 대시보드	Yongwoo Ju		Sep 22, 1:57 pm	
<input type="checkbox"/> 합성 지표	Myeongho Kim	DX-엔진-합성파트	Sep 18, 6:31 pm	
<input type="checkbox"/> MongoDB Atlas	Yongwoo Ju	DX개발그룹 백엔드팀	Sep 9, 10:18 am	
<input type="checkbox"/> mc-design-api 대시보드	Gideok Oh	DX개발그룹 백엔드팀 디자인... +2	Sep 23, 9:31 am	
<input type="checkbox"/> 디자인 파트 백엔드 KPI 지표 대시보드	Junseok A Lee	DX개발그룹 백엔드팀 +1	Aug 27, 1:42 pm	
<input type="checkbox"/> 이벤트 발행/수신 모니터링	Taehyun Kwon	DX개발그룹 백엔드팀 디자인 파트	Sep 25, 9:39 am	
<input type="checkbox"/> Miridih EKS Cluster Monitoring	Donggyu Lee		Sep 8, 11:14 am	
<input type="checkbox"/> 베드락 모니터링 대시보드	Baekgyu Kim	DX-백엔드-PT	Sep 22, 6:06 pm	
<input type="checkbox"/> 템플릿 모니터링 대시보드	Jaehyun Yu	DX-백엔드-PT	Aug 26, 5:49 pm	
<input type="checkbox"/> 결제 모니터링 대시보드	Sehoi Kwon	DX개발그룹 백엔드팀 +1	Sep 25, 10:29 am	
<input type="checkbox"/> [엔진 텍스트 파트] 프로덕션	Haedong Kim	DX-엔진-캠버스	Aug 7, 1:32 pm	
<input type="checkbox"/> Launcher param dashboard	Sangbin Lee	DX-엔진-시그마파트	Sep 24, 6:56 pm	

Shared, Editable Lists

Summary



Deployment Version Tracking

List of Versions by service

SERVICE	VERSION	SESSIONS	ERRORS PER VIEW	LOADING TIME P75	LCP P75	CLS P75	FCP P75
mc-web-2-design-2	25.923hotfix2						
mc-web-2-homepage	25.923hotfix4						
mc-web-2-design	25.923hotfix2						
mc-web-2-miricle	25.923						
mc-web-2-design-2	25.923						
mc-web-2-design	25.923						
mc-web-2-design	25.916hotfix7						

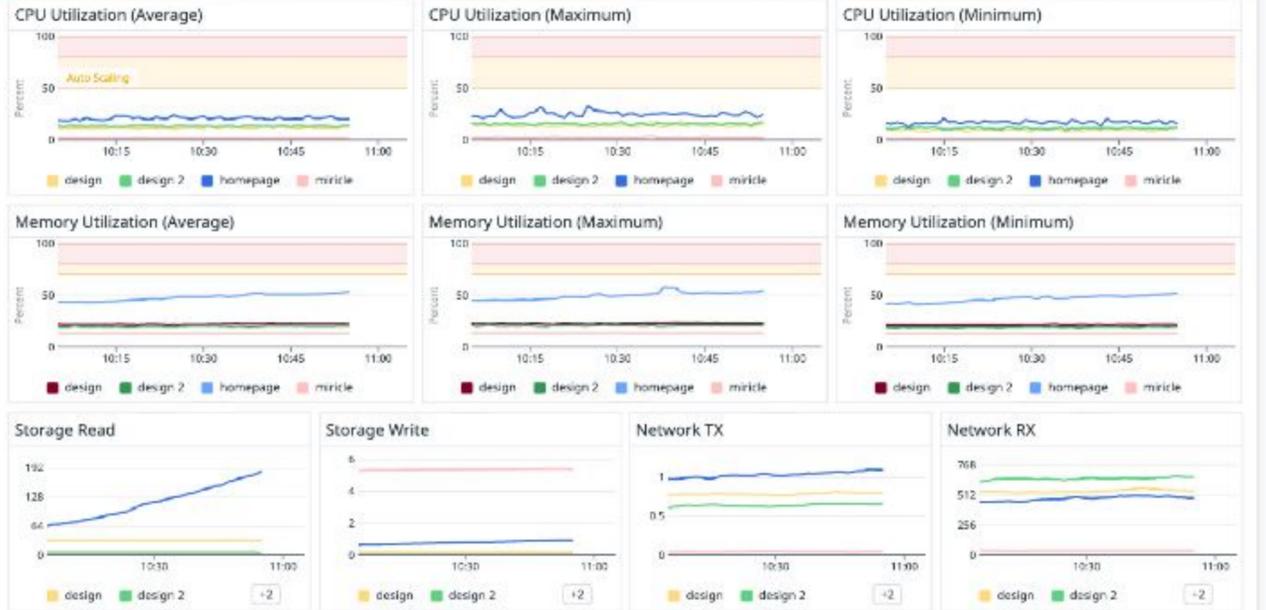
Count Metrics



Load Balancer



Performance Metrics



Datadog은 모두가 쓸줄 알아야한다.
(개발, 비개발 모두)



Q&A



Thank you!

윤 창 현 Changhyeon Yoon

Design Experience Team

Site Reliability Engineer,

미리디



Datadog Korea User Group

Datadog 한국 사용자 모임