

資訊處新人教育訓練

Exceptionless

2021/04/06


資訊處 資訊開發部 底層模組開發課

Agenda

- Exceptionless 介紹
- Exceptionless 申請帳號說明
- 建立 Project 與取得 API KEY
- Exceptionless UI 操作說明

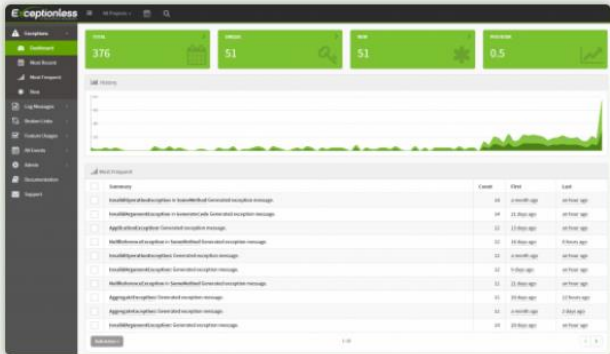
Exceptionless 介紹

Exceptionless


[Tour](#)
[Why?](#)
[Pricing](#)
[News](#)
[Docs](#)

Log In







Sign Up



Don't let your users walk away in frustration







Discover errors in your app you never knew were happening and use detailed error reports to squash them with ease. Make your app Exceptionless!







Sign up for FREE!









What Is Exceptionless?

The definition of the word exceptionless is: **to be without exception**. Our product provides real-time error, feature, and log reporting for your ASP.NET, Web API, WebForms, WPF, Console, and MVC apps. It organizes the gathered information into simple actionable data that will help your app become exceptionless. Best of all, it's **open source**!

 Error notifications, including critical and regressions
  Intelligent grouping of exceptions, logs, and features
  Detailed error reports, including stacktrace
  Unlimited users per organization
  Real-time view of events as they happen
  Supports offline and occasionally connected scenarios

 Easily see top errors and prioritize them
  Dashboard with event stats and trends
  Add any custom objects to your events
  Mark exceptions as fixed, monitor for regressions
  Ability to mark events as being critical
  Easy setup in less than 5 minutes



<https://exceptionless.com/>

Exceptionless

- Open Source
- 整合 Exception, Log 等事件紀錄功能
- 支援多種 .NET 開發框架
- 提供雲端服務或自行架設 (Self-Hosting)
- 方便的使用者介面和查詢功能

Exceptionless 功能包含

- Exception 例外訊息紀錄
- Logs 日誌紀錄
- Broken Links 失效連結紀錄
- Feature Usages 功能統計
- User Sessions 使用者紀錄
- Integrations 外部整合
- Data Exclusions 資料過濾
- Self-Hosted 可自行架設服務 (IIS, Docker)

可整合的系統框架


- .NET
ASP.NET WebForm, WinForm, WPF, Console, Xamarin
ASP.NET MVC / WebAPI, ASP.NET Core,
- Javascript / Node.JS

Exceptionless UI 畫面(一)













Exceptionless UI 畫面(三)



All Projects ▾Last Hour ▾Filter



Setup your first project
好房網 currently has no projects. [Add a new project](#) and start becoming exceptionless in less than 60 seconds!

Event Occurrence

Overview

Exception

Environment

Occurred On	Apr 6, 2021 2:21:02 PM (a few seconds ago)
Error Type	System.Data.SqlClient.SqlException
Message	找不到物件 "HFHouseDataRefreshLogForNotice", 原因是物件不存在, 或您沒有權限。

Stack Trace

System.Data.SqlClient.SqlException: 找不到物件 "HFHouseDataRefreshLogForNotice", 原因是物件不存在, 或您沒有權限。
at System.Data.SqlClient.SqlConnection.OnError(System.Data.SqlClient.SqlException exception, System.Boolean breakConnection, System.Action`1 wrapCloseInAction) at offset 78
at System.Data.SqlClient.TdsParser.ThrowExceptionAndWarning(System.Data.SqlClient.TdsParserStateObject stateObj, System.Boolean callerHasConnectionLock, System.Boolean asyncClose) at offset 376
at System.Data.SqlClient.TdsParser.TryRun(System.Data.SqlClient.RunBehavior runBehavior, System.Data.SqlClient.SqlCommand cmdHandler, System.Data.SqlClient.SqlDataReader dataStream, System.Data.SqlClient.BulkCopySimpleResultSet bulkCopyHandler, System.Data.SqlClient.TdsParserStateObject stateObj, System.Boolean& dataReady)
at System.Data.SqlClient.SqlCommand.RunExecuteNonQueryTds(System.String methodName, System.Boolean async, System.Int32 timeout, System.Boolean asyncWrite) at offset 554
at System.Data.SqlClient.SqlCommand.InternalExecuteNonQuery(System.Threading.Tasks.TaskCompletionSource`1 completion, System.Boolean sendToPipe, System.Int32 timeout, System.Boolean asyncWrite, System.String methodName) at offset 189
at System.Data.SqlClient.SqlCommand.ExecuteNonQuery() at offset 126
at Dapper.SqlMapper.ExecuteCommand(System.Data.IDbConnection cnn, Dapper.CommandDefinition& command, System.Action`2 paramReader) at offset 66 in C:\projects\dapper\Dapper\SqlMapper.cs:line 2836:col 9
at Dapper.SqlMapper.ExecuteImpl(System.Data.IDbConnection cnn, Dapper.CommandDefinition& command) at offset 338 in C:\projects\dapper\Dapper\SqlMapper.cs:line 570:col 13
at Dapper.SqlMapper.Execute(System.Data.IDbConnection cnn, System.String sql, System.Object param, System.Data.IDbTransaction transaction, System.Nullable`1 commandType) at offset 24 in C:\projects\dapper\Dapper\SqlMapper.cs:line 443:col 13
at Evertrust.Core.Dapper.AspNetCore.DapperHelper.Execute(System.Data.IDbConnection dbConnection, System.String sql, System.Object param, System.Data.IDbTransaction transaction, System.Nullable`1 commandTimeout, System.Nullable`1 commandType, System.String filePath, System.Int32 lineNumber) at offset 66
at HouseFun.Tasks.Buy.Repository.Repositories.HFHouseDataRefreshLogForNoticeRepository.Clear() at offset 50 in C:\Agents\Agent2_work\1333\s\HouseFun.Tasks.Buy.Repository\Repositories\HFHouseDataRefreshLogForNoticeRepository.cs:line 45:col 21
at HouseFun.Tasks.Buy.Service.Services.HouseCaseService.WaitingNoticeHouseCases() at offset 37 in C:\Agents\Agent2_work\1333\s\HouseFun.Tasks.Buy.Services\Services\HouseCaseService.cs:line 277:col 17
at HouseFun.Tasks.Buy.Application.Infrastructure.Jobs.NotificationJob.ProcessModifiedHouseCaseForNotification(Hangfire.Server.PerformContext context, Hangfire.IJobCancellation token cancellationToken) at offset 148 in C:\Agents\Agent2_work\1333\s\HouseFun.Tasks.Buy.Application\Infrastructure\Jobs\NotificationJob.cs:line 77:col 13

Additional Data

Class	16
Client Connection	39cca42c-9a40-42d4-a3fc-d7ff32497267

相關連結

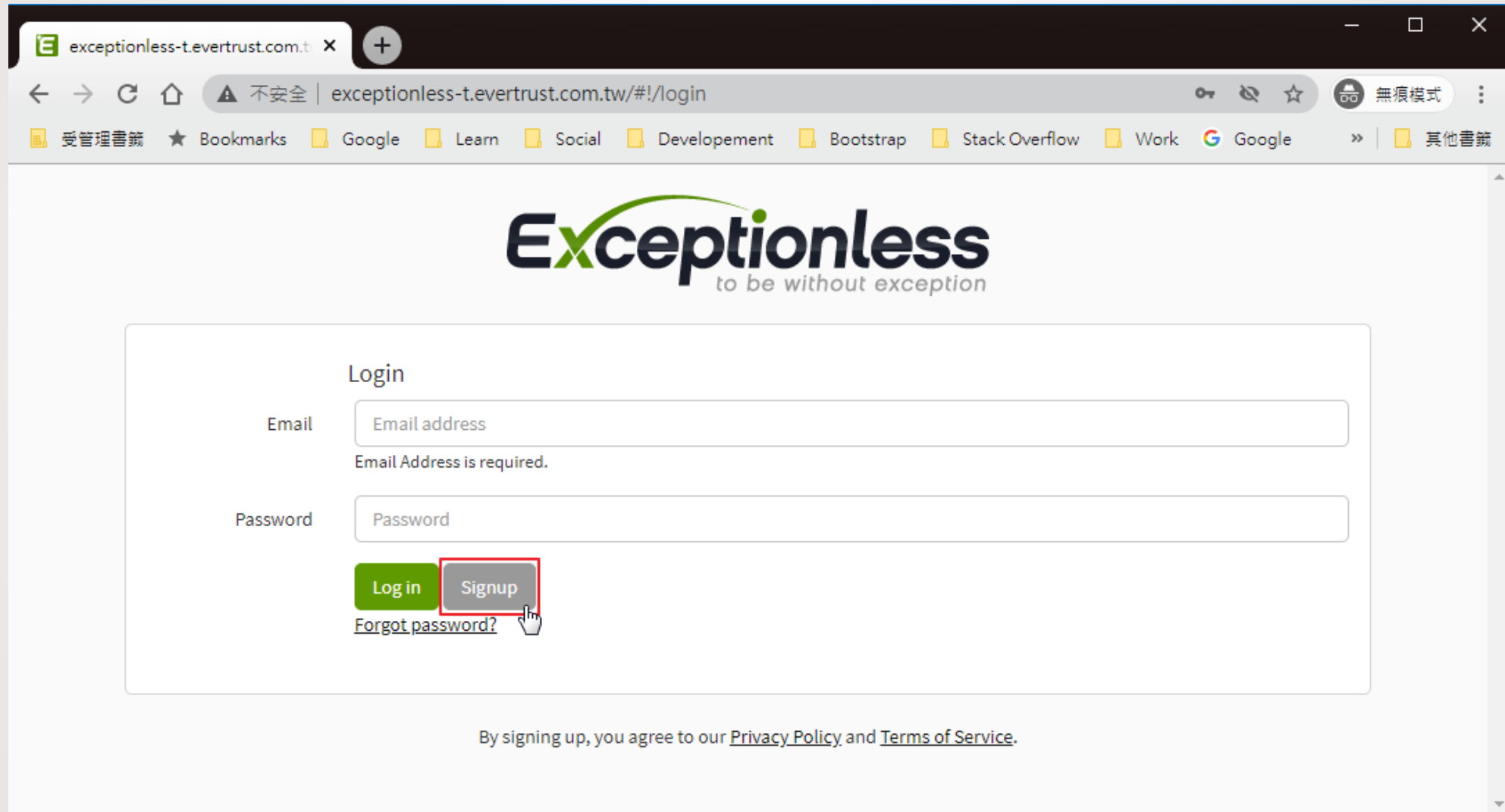
- <https://exceptionless.com/>
- <https://exceptionless.com/docs/>
- <https://github.com/exceptionless/Exceptionless>
- <https://github.com/exceptionless/Exceptionless.Net>

Exceptionless 申請帳號說明

注意事項

- 公司所使用的 Exceptionless 為自行架設的服務
所以不要到外部 Exceptionless 服務申請帳號
- 測試環境
<http://exceptionless-t.evertrust.com.tw/>
- 正式環境
<http://exceptionless.evertrust.com.tw/>

申請帳號 (以測試環境為例)



The screenshot shows a web browser window with the URL `exceptionless-t.evertrust.com.tw/#!/login`. The page features the Exceptionless logo at the top. Below the logo is a login/signup form. The form has two input fields: "Email" and "Password". The "Email" field contains the placeholder text "Email address" and has a validation message "Email Address is required." below it. The "Password" field contains the placeholder text "Password". Below the input fields are two buttons: "Log in" (green) and "Signup" (grey). The "Signup" button is highlighted with a red rectangle. Below the buttons is a link for "Forgot password?". At the bottom of the form, there is a text line: "By signing up, you agree to our [Privacy Policy](#) and [Terms of Service](#)."

exceptionless-t.evertrust.com.t x

← → ↻ 🏠 ⚠ 不安全 | exceptionless-t.evertrust.com.tw/#!/login 🔑 🔍 ☆ 🛒 無痕模式 ⋮

📁 受管理書籤 ★ Bookmarks 📁 Google 📁 Learn 📁 Social 📁 Development 📁 Bootstrap 📁 Stack Overflow 📁 Work 🌐 Google » | 📁 其他書籤

Exceptionless
to be without exception

Login

Email
Email Address is required.

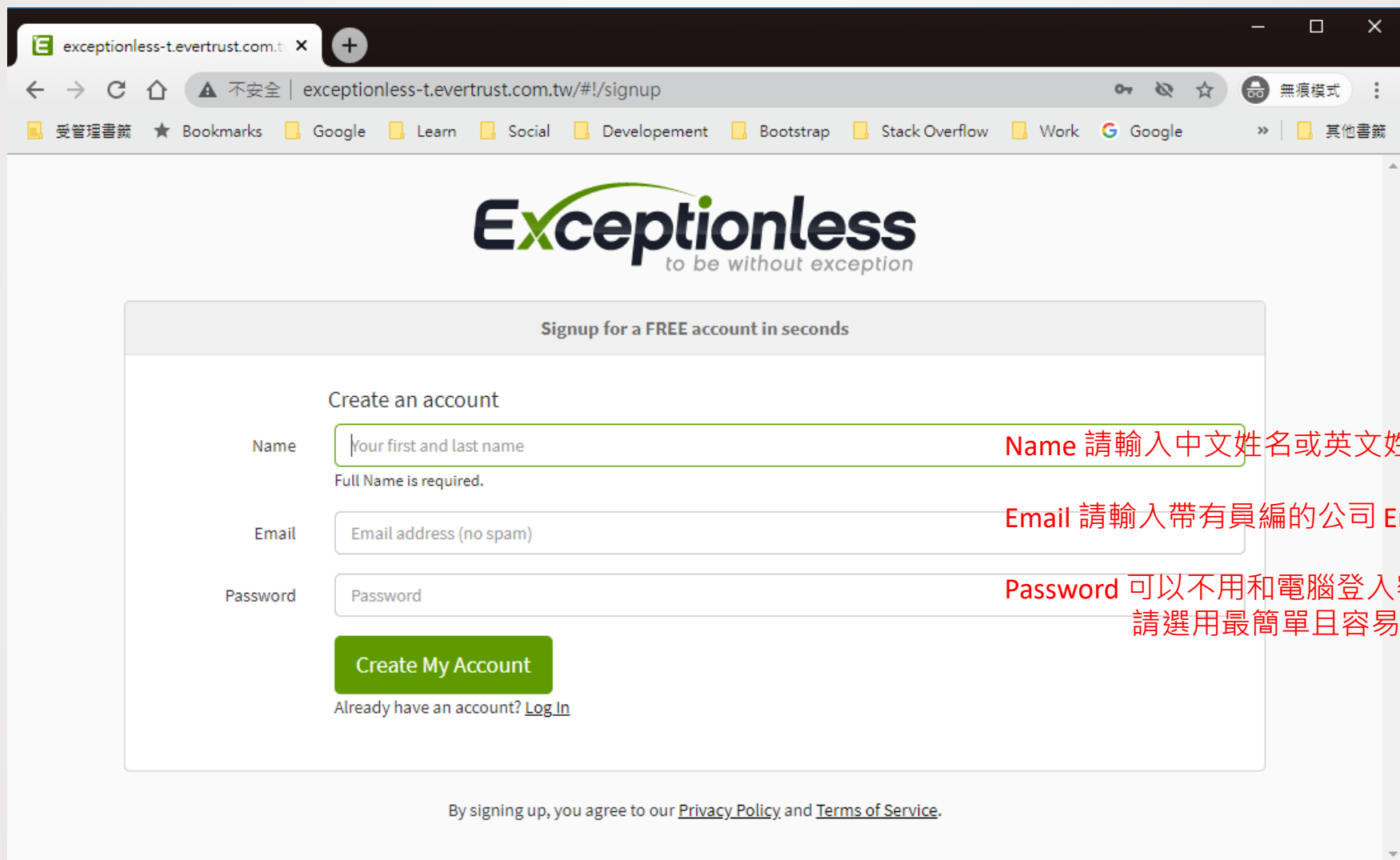
Password

[Forgot password?](#)

By signing up, you agree to our [Privacy Policy](#) and [Terms of Service](#).

<http://exceptionless-t.evertrust.com.tw/>

申請帳號 (以測試環境為例)



The screenshot shows a web browser window with the URL `exceptionless-t.evertrust.com.tw/#!/signup`. The page features the Exceptionless logo and a signup form titled "Signup for a FREE account in seconds". The form includes fields for Name, Email, and Password, each with a red annotation. A green "Create My Account" button is at the bottom of the form, followed by a link to "Log In" for existing users. At the very bottom, there is a disclaimer about agreeing to the Privacy Policy and Terms of Service.

exceptionless-t.evertrust.com.tw/#!/signup

Exceptionless
to be without exception

Signup for a FREE account in seconds

Create an account

Name Name 請輸入中文姓名或英文姓名
Full Name is required.

Email Email 請輸入帶有員編的公司 Email

Password Password 可以不用和電腦登入密碼一樣
請選用最簡單且容易記住的

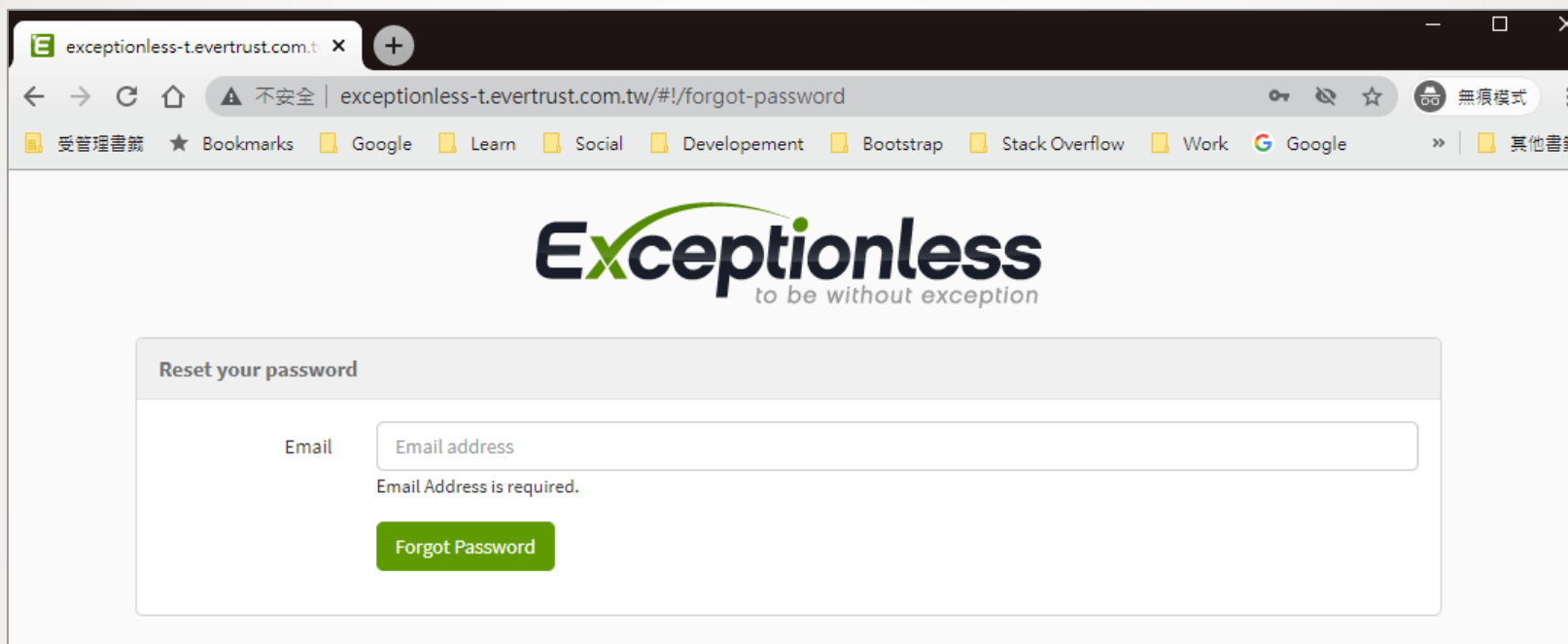
Create My Account

Already have an account? [Log In](#)

By signing up, you agree to our [Privacy Policy](#) and [Terms of Service](#).

萬一忘記密碼呢？

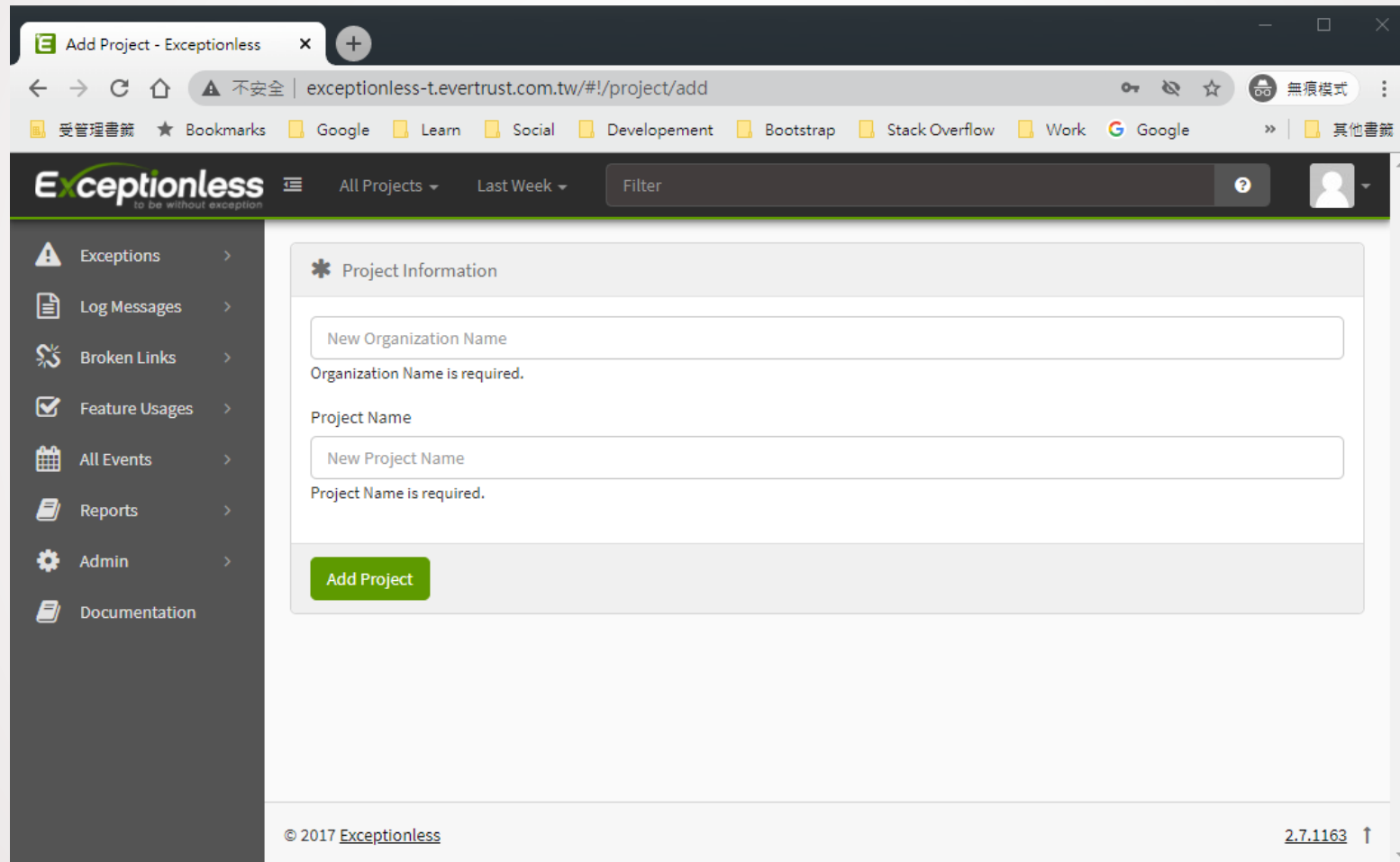
- 這裡的 Reset your password 功能是沒有作用的喔



如果真的忘記登入密碼，這時候就是請與 Ray 或 Kevin 聯繫
接下來的步驟就是會將你原本的帳號移除，在移除後會通知你再做一次建立帳號的步驟
所以請務必在填寫登入密碼的時候要選用最常用、簡單、容易記的那一組

完成帳號建立並進入 Exceptionless 服務後

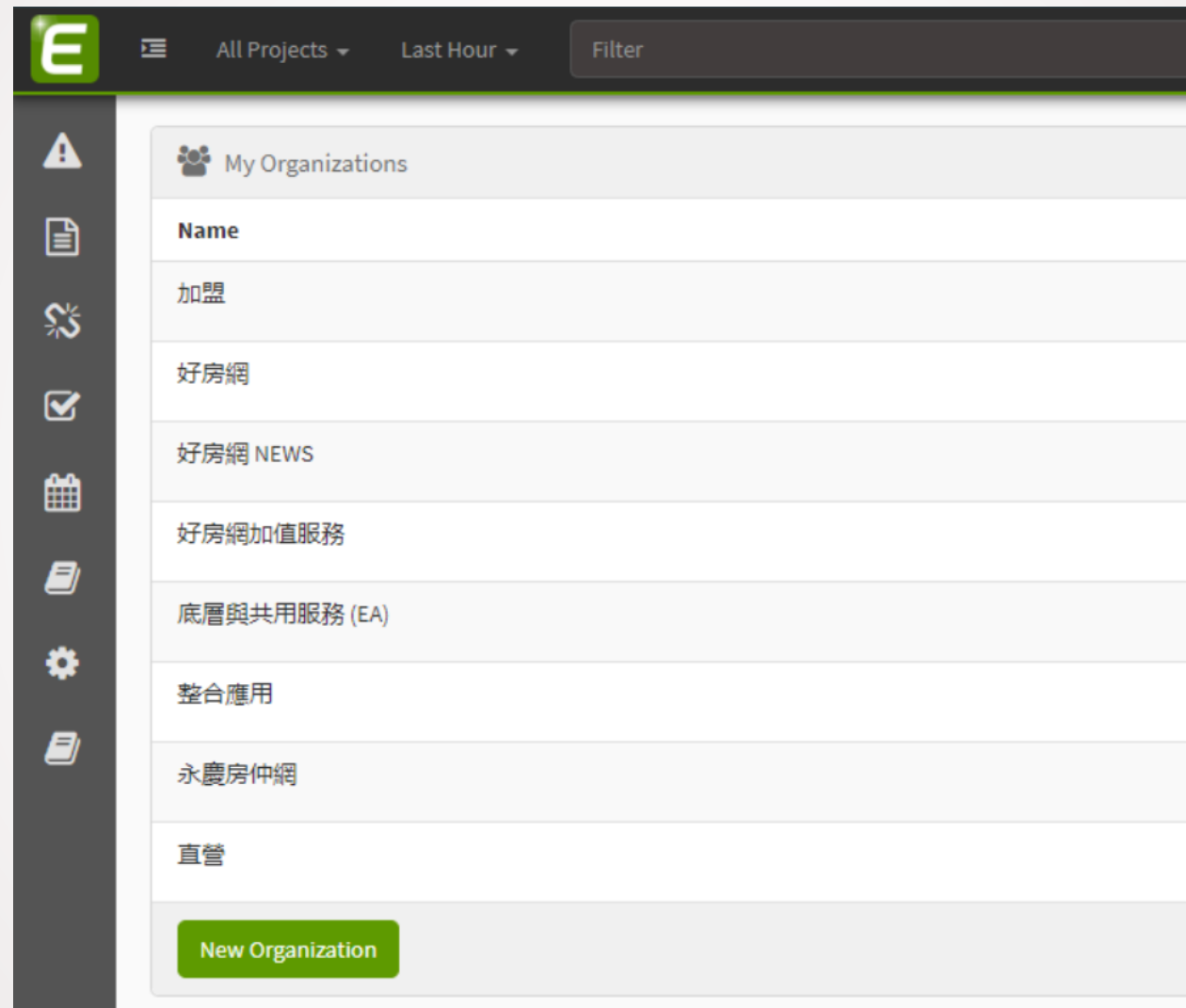
- 看到以下的畫面還不要衝動就建立 Project 或自行增加 Organization



資訊開發部新人建立 Exceptionless 帳號 – 注意事項

- 先建立測試環境的帳號，建立完成後請通知 Ray or Kevin
- 新人訓練期間會先加入 Sample 的組織裡
- 當新人訓練將要結束時會再請你建立正式環境的登入帳號與密碼
(建立兩邊的登入密碼可以相同)
- 正式環境的帳號建立完成後會再將你加入到之後的單位組織
- 新人訓練期間所使用的 Sample Project 將會在分發單位後的一週移除
也會從 Sample Organization 移出

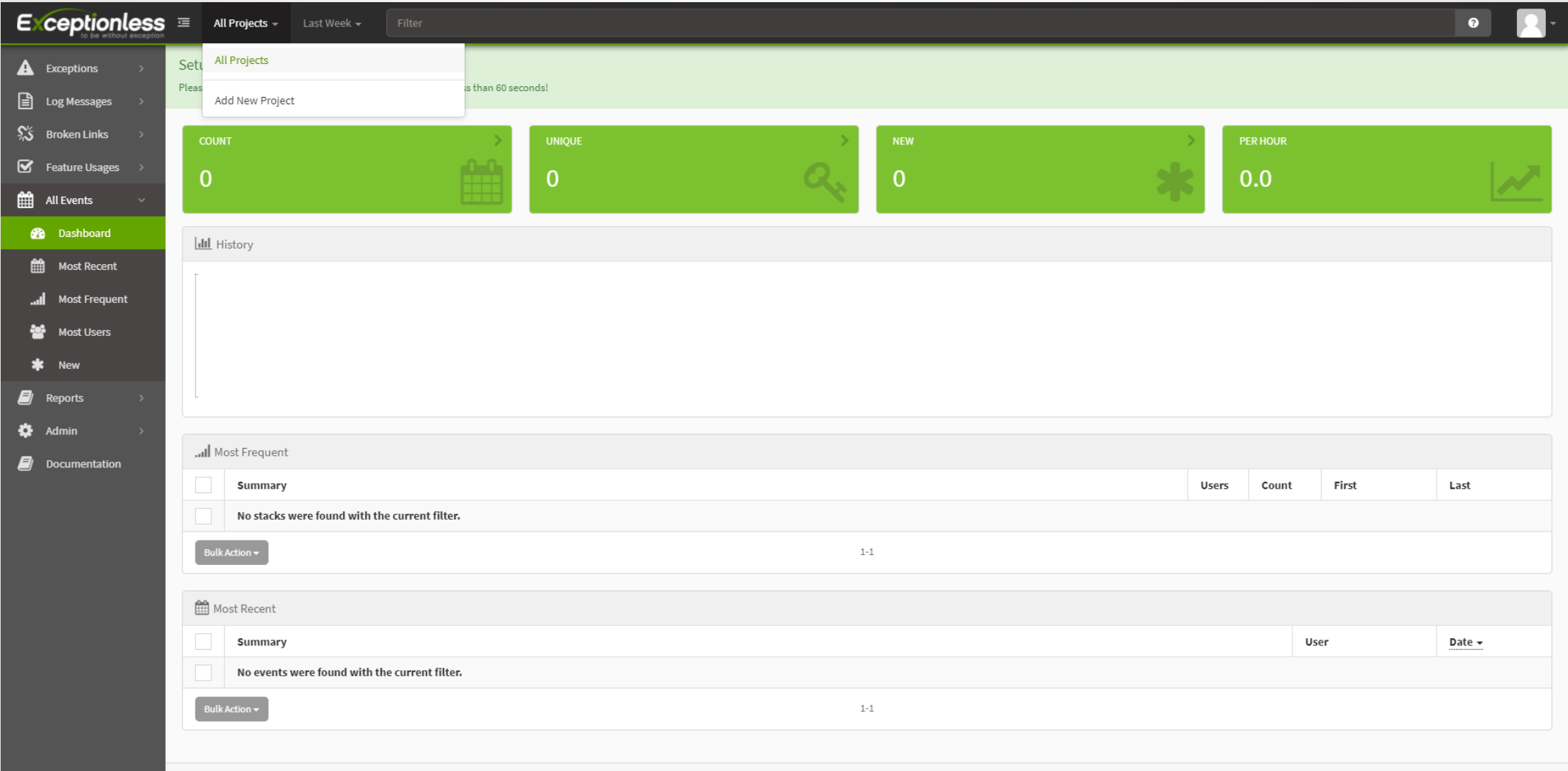
Organization 內的資料新增、異動只有底層模組開發課才能做喔



新建立帳號要加入到既有組織的步驟

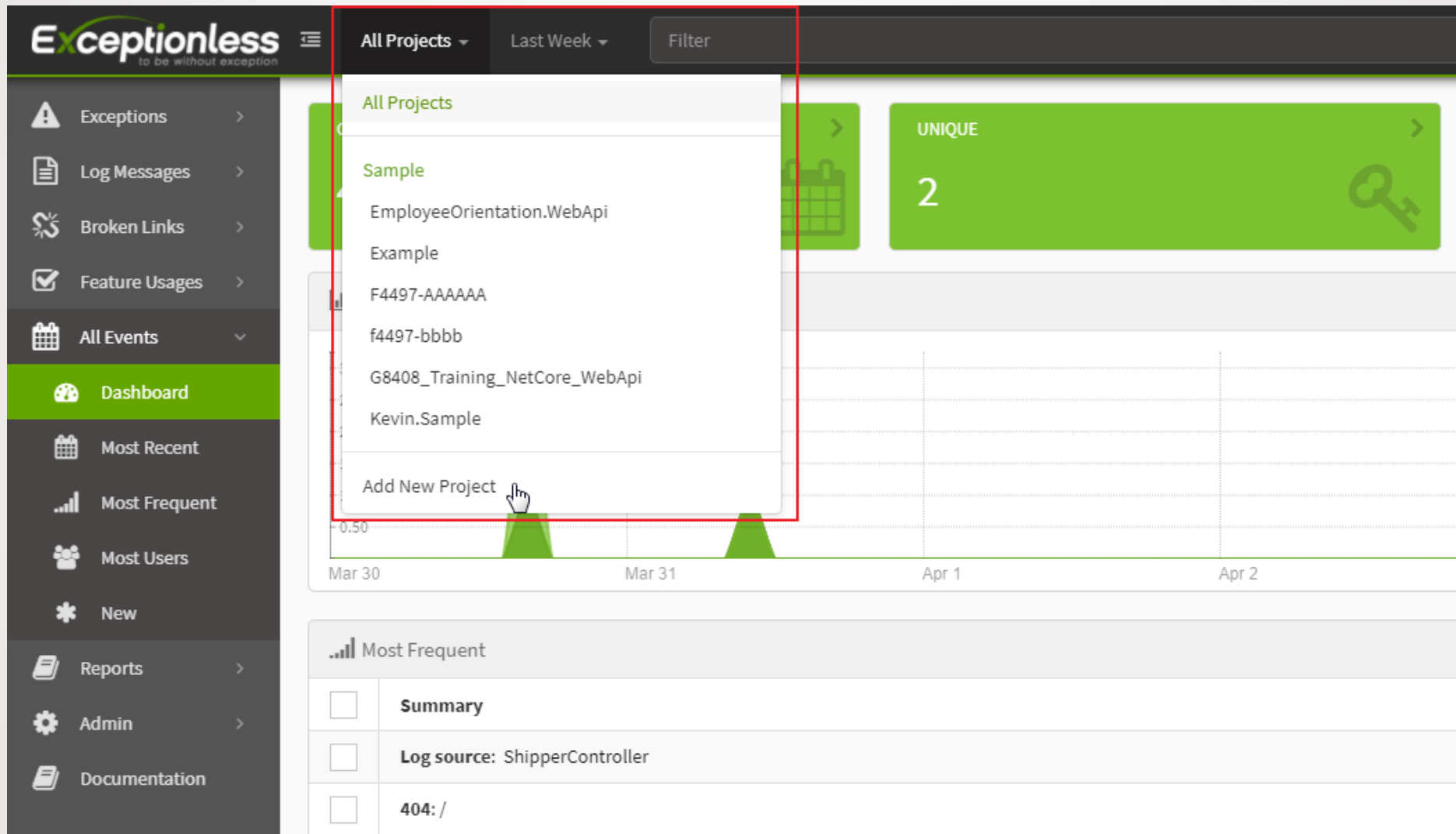
- 先建立帳號並確認可以登入
- 確認是測試環境或正式環境後再通知主管
- 由主管將你的帳號加入到組織內
- 確認主管已將你加入後，重新整理頁面
如果已經成功加入組織就應該可以看到該組織專案的 Exception, Log

看到空空的内容是正常的，不要驚慌



建立 Project 與取得 API KEY

建立 Project



The screenshot shows the Exceptionless dashboard interface. The left sidebar contains navigation links: Exceptions, Log Messages, Broken Links, Feature Usages, All Events, Dashboard (highlighted), Most Recent, Most Frequent, Most Users, New, Reports, Admin, and Documentation. The main content area displays a header with 'All Projects', 'Last Week', and a 'Filter' button. A dropdown menu is open under 'All Projects', listing several projects: 'All Projects', 'Sample', 'EmployeeOrientation.WebApi', 'Example', 'F4497-AAAAAA', 'f4497-bbbb', 'G8408_Training_NetCore_WebApi', and 'Kevin.Sample'. At the bottom of the dropdown is an 'Add New Project' option, which is being clicked by a mouse cursor. The background of the dashboard shows a green bar chart and a table with a 'UNIQUE' column.

Exceptionless
to be without exception

All Projects Last Week Filter

All Projects

Sample

EmployeeOrientation.WebApi

Example

F4497-AAAAAA

f4497-bbbb

G8408_Training_NetCore_WebApi

Kevin.Sample

Add New Project

UNIQUE

2

Mar 30 Mar 31 Apr 1 Apr 2

Most Frequent

<input type="checkbox"/>	Summary
<input type="checkbox"/>	Log source: ShipperController
<input type="checkbox"/>	404: /

建立 Project

Exceptionless
to be without exception

All Projects ▾Last Week ▾Filter

?

Exceptions >

Log Messages >

Broken Links >

Feature Usages >

All Events >

Reports >

Admin >

Documentation

Project Information

Organization Name

Sample ▾

Project Name

Training_2021-04_WebApi

Add Project

Go To Dashboard

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2.7.1163 ↑

建立 Project

Exceptionless

to be without exception

All Projects

Last Week

Filter

?

Exceptions

Log Messages

Broken Links

Feature Usages

All Events

Reports

Admin

Documentation

Download & Configure Project "Training_2021-04_WebApi" Client

The Exceptionless client can be integrated into your project in just a few easy steps.

1. Select your project type:

Please select a project type

.NET

Console and Service applications

ASP.NET Core

ASP.NET MVC

ASP.NET Web API

ASP.NET Web Forms

Windows Forms

Windows Presentation Foundation (WPF)

Nancy

JavaScript

Browser applications

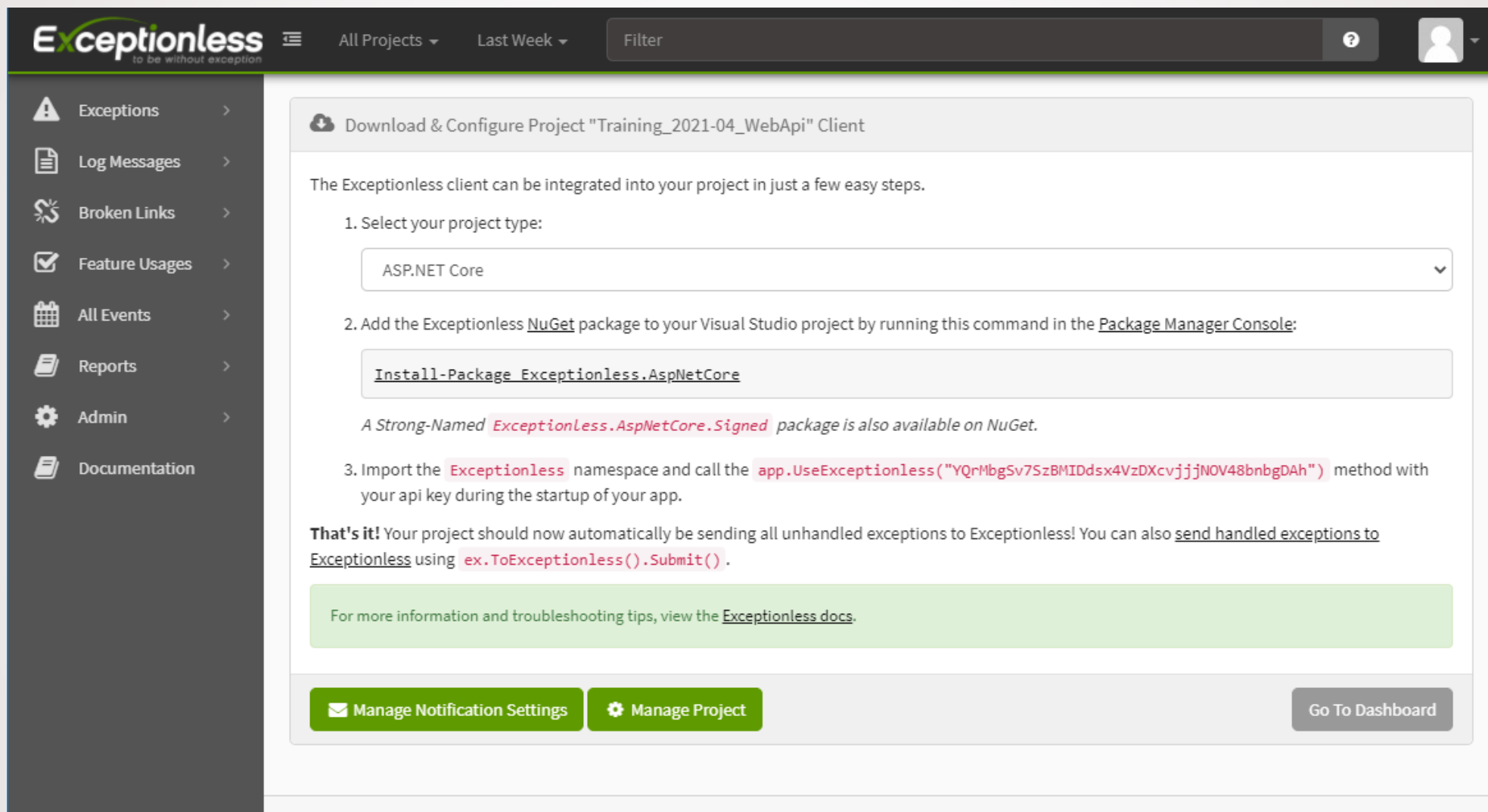
Node.js

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2.7.1163 ↑

依據專案選擇適用的類別

建立 Project



The screenshot shows the Exceptionless web application interface. The top navigation bar includes the Exceptionless logo, a hamburger menu, 'All Projects', 'Last Week', a search filter, a help icon, and a user profile icon. The left sidebar contains links to Exceptions, Log Messages, Broken Links, Feature Usages, All Events, Reports, Admin, and Documentation. The main content area is titled 'Download & Configure Project "Training_2021-04_WebApi" Client'. It provides instructions on how to integrate the Exceptionless client into a project. Step 1 shows a dropdown menu with 'ASP.NET Core' selected. Step 2 instructs to add the Exceptionless NuGet package using the command `Install-Package Exceptionless.AspNetCore`. Step 3 instructs to import the `Exceptionless` namespace and call the `app.UseExceptionless("YQrMbgSv7SzBMIDdsx4VzDXcvjjjNOV48bnbgDAh")` method. A green box at the bottom contains a link to the Exceptionless docs for more information and troubleshooting tips. At the bottom of the page, there are three buttons: 'Manage Notification Settings', 'Manage Project', and 'Go To Dashboard'.

Exceptionless
to be without exception

All Projects ▾ Last Week ▾ Filter ? [User Icon]

Exceptions >
Log Messages >
Broken Links >
Feature Usages >
All Events >
Reports >
Admin >
Documentation

Download & Configure Project "Training_2021-04_WebApi" Client

The Exceptionless client can be integrated into your project in just a few easy steps.

1. Select your project type:

ASP.NET Core ▾
2. Add the Exceptionless [NuGet](#) package to your Visual Studio project by running this command in the [Package Manager Console](#):

```
Install-Package Exceptionless.AspNetCore
```

A Strong-Named `Exceptionless.AspNetCore.Signed` package is also available on NuGet.
3. Import the `Exceptionless` namespace and call the `app.UseExceptionless("YQrMbgSv7SzBMIDdsx4VzDXcvjjjNOV48bnbgDAh")` method with your api key during the startup of your app.

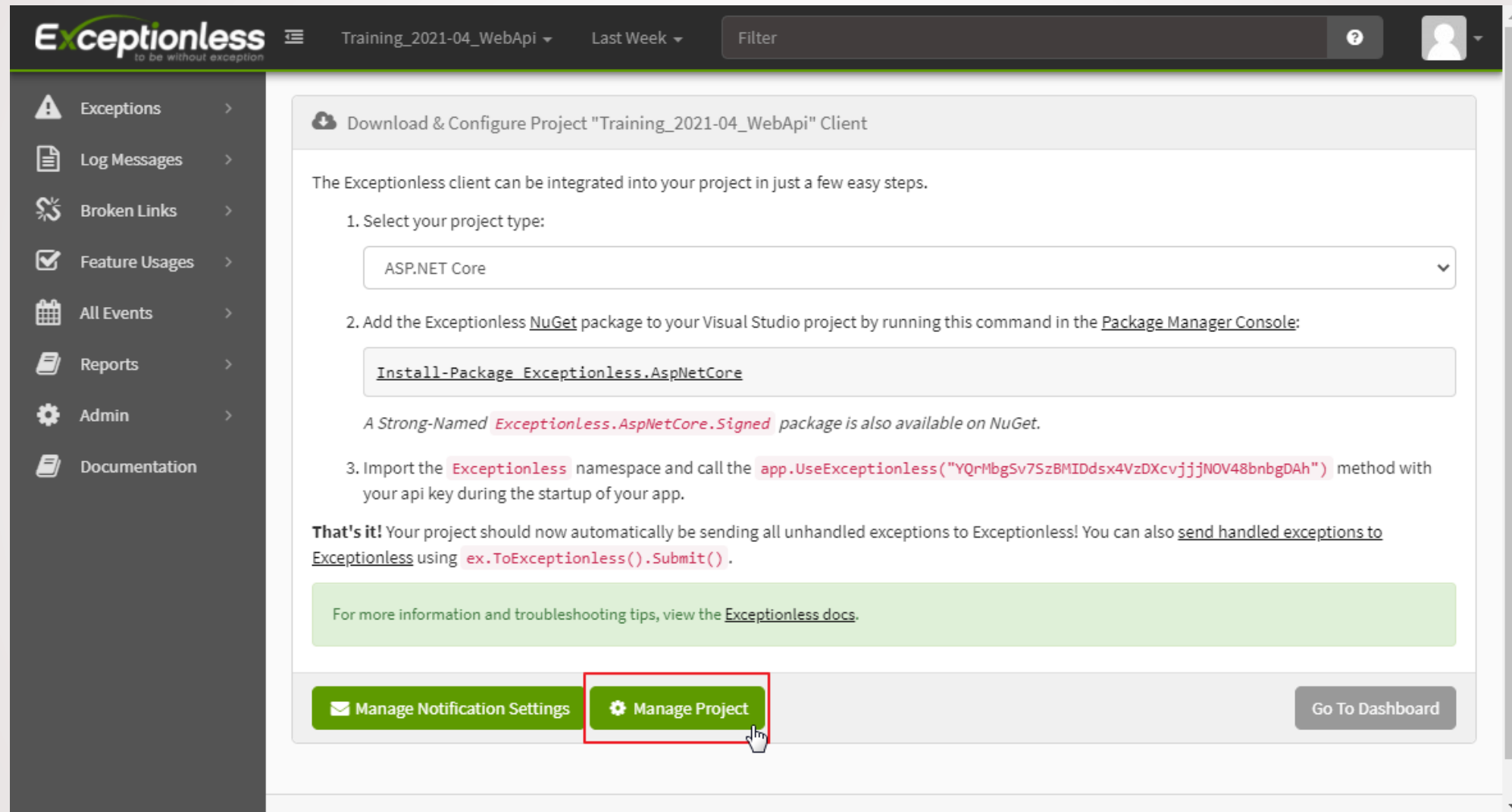
That's it! Your project should now automatically be sending all unhandled exceptions to Exceptionless! You can also [send handled exceptions to Exceptionless](#) using `ex.ToExceptionless().Submit()`.

For more information and troubleshooting tips, view the [Exceptionless docs](#).

[Manage Notification Settings](#) [Manage Project](#) [Go To Dashboard](#)

不同的專案類別會需要安裝適合的 NuGet Package

取得 Project API KEY



Exceptionless to be without exception

Training_2021-04_WebApi Last Week Filter ?

Download & Configure Project "Training_2021-04_WebApi" Client

The Exceptionless client can be integrated into your project in just a few easy steps.

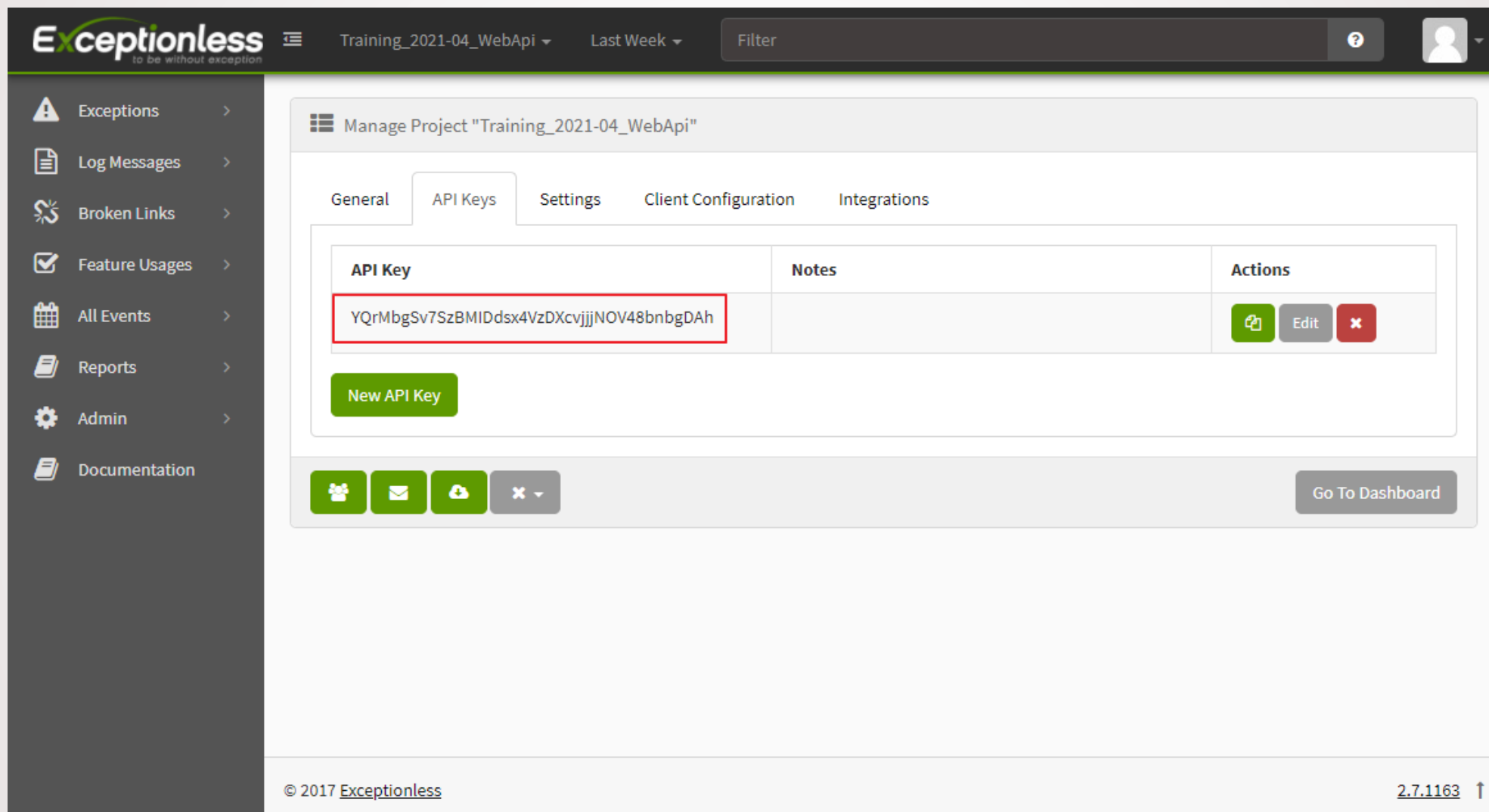
1. Select your project type:
ASP.NET Core
2. Add the Exceptionless [NuGet](#) package to your Visual Studio project by running this command in the [Package Manager Console](#):
`Install-Package Exceptionless.AspNetCore`
A Strong-Named `Exceptionless.AspNetCore.Signed` package is also available on NuGet.
3. Import the `Exceptionless` namespace and call the `app.UseExceptionless("YQrMbGsv7SzBMIDsx4VzDXcvjjjNOV48bnbGDAh")` method with your api key during the startup of your app.

That's it! Your project should now automatically be sending all unhandled exceptions to Exceptionless! You can also [send handled exceptions to Exceptionless](#) using `ex.ToExceptionless().Submit()`.



For more information and troubleshooting tips, view the [Exceptionless docs](#).

[Manage Notification Settings](#) [Manage Project](#) [Go To Dashboard](#)


取得 Project API KEY



The screenshot displays the Exceptionless web application interface. The top header shows the project name "Training_2021-04_WebApi" and a filter button. The sidebar on the left contains navigation links for Exceptions, Log Messages, Broken Links, Feature Usages, All Events, Reports, Admin, and Documentation. The main content area is titled "Manage Project 'Training_2021-04_WebApi'" and features tabs for General, API Keys, Settings, Client Configuration, and Integrations. The "API Keys" tab is active, showing a table with columns for API Key, Notes, and Actions. A single API key is listed and highlighted with a red box. Below the table is a "New API Key" button. At the bottom of the main content area, there are social media icons and a "Go To Dashboard" button.

API Key	Notes	Actions
YQrMbgSv7SzBMIDdsx4VzDXcvjjjNOV48bnbGDAh		 Edit 

[New API Key](#)

 [Go To Dashboard](#)

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每個專案的 API KEY 都不同，千萬不要誤用或混用

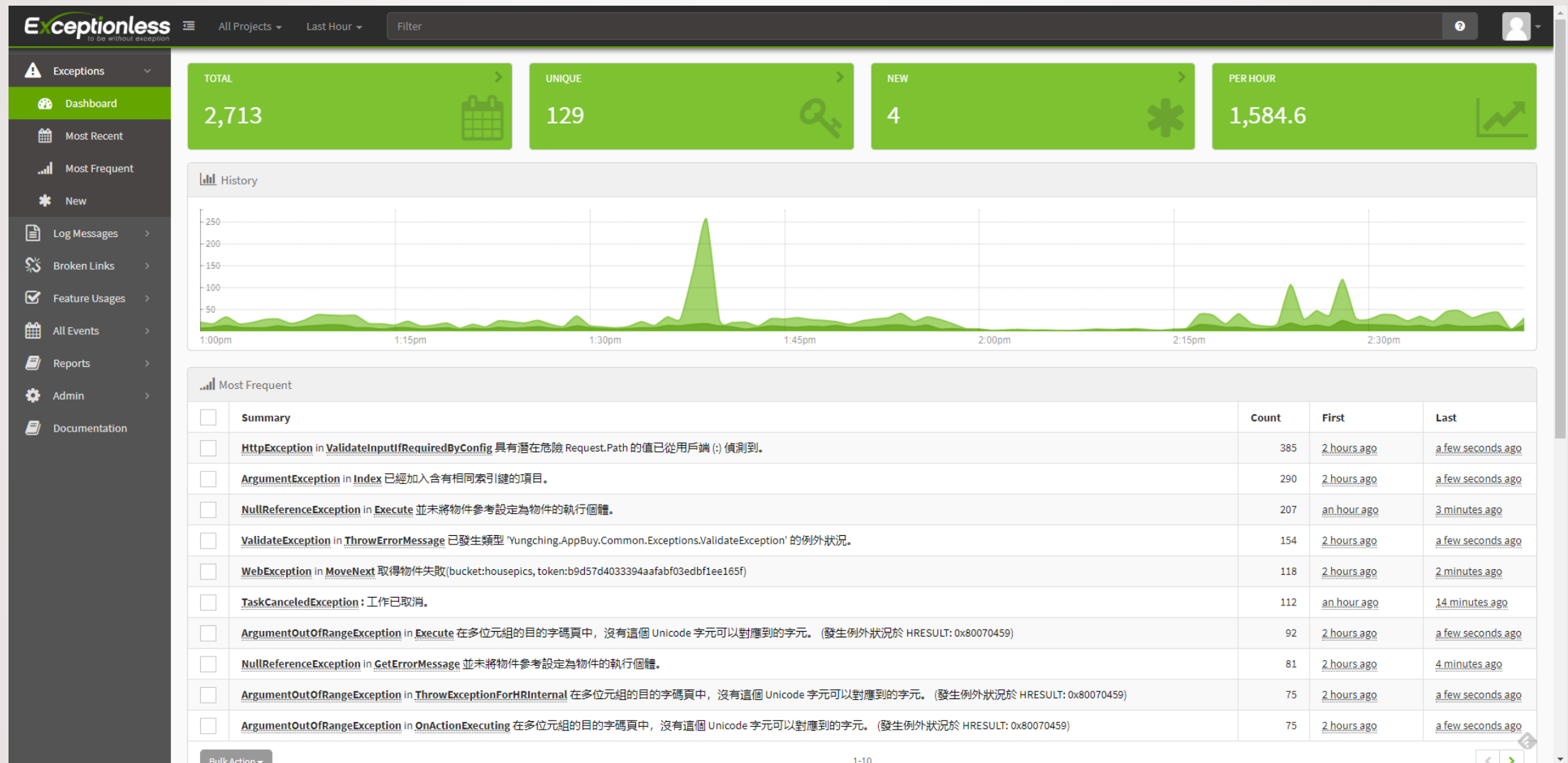
Evertrust.Core.Logging

- 公司內的專案要整合使用的方式可以參照 Exceptionless 的官網文件說明
<https://exceptionless.com/docs/clients/dotnet/>
- 不過會建議各位可以使用 Evertrust.Core.Logging 套件
使用的方式與範例專案可以看以下的連結內容
(for .NET Core and .NET Framework)
<https://github.evertrust.com.tw/EA/Evertrust.Core.Logging>

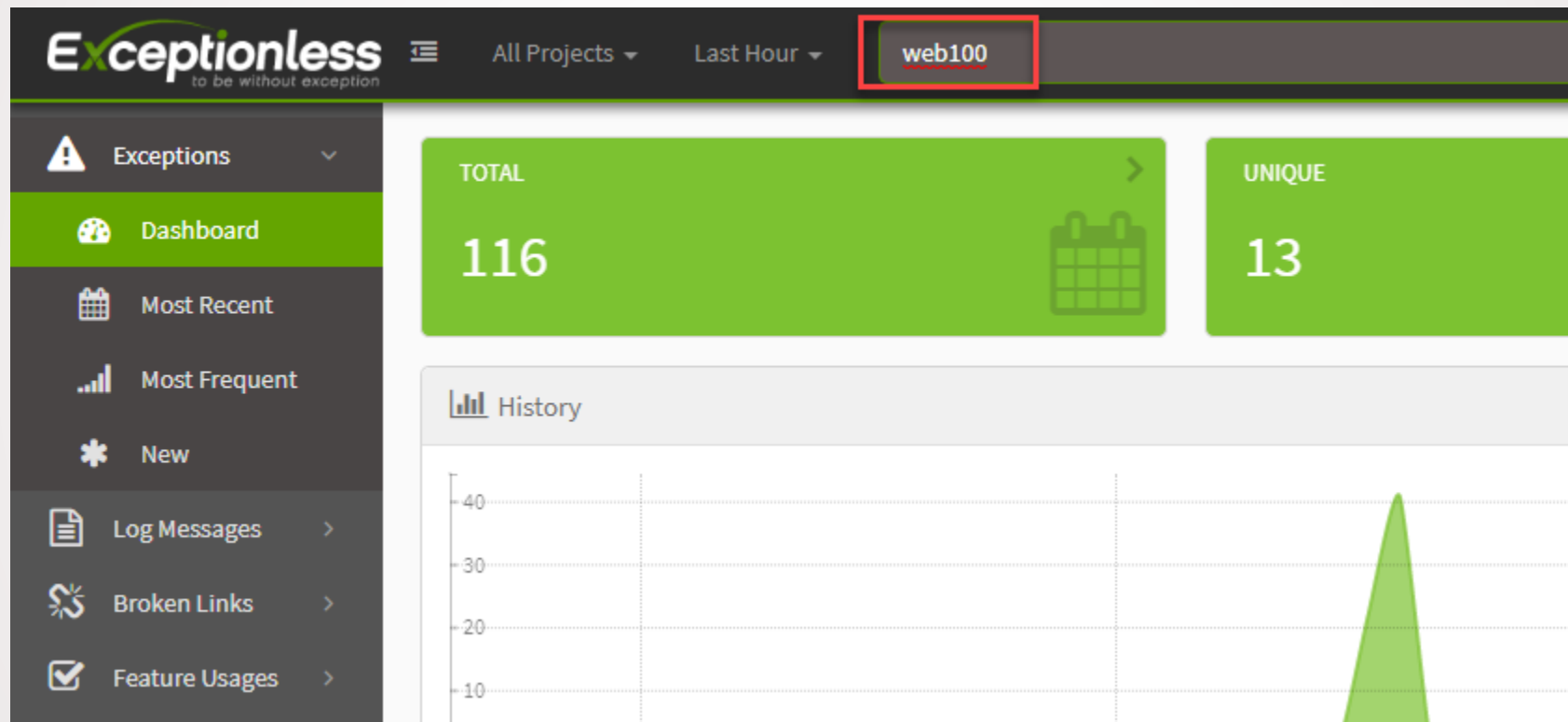
Exceptionless UI 操作說明

Bulk Action ▾ 1-10

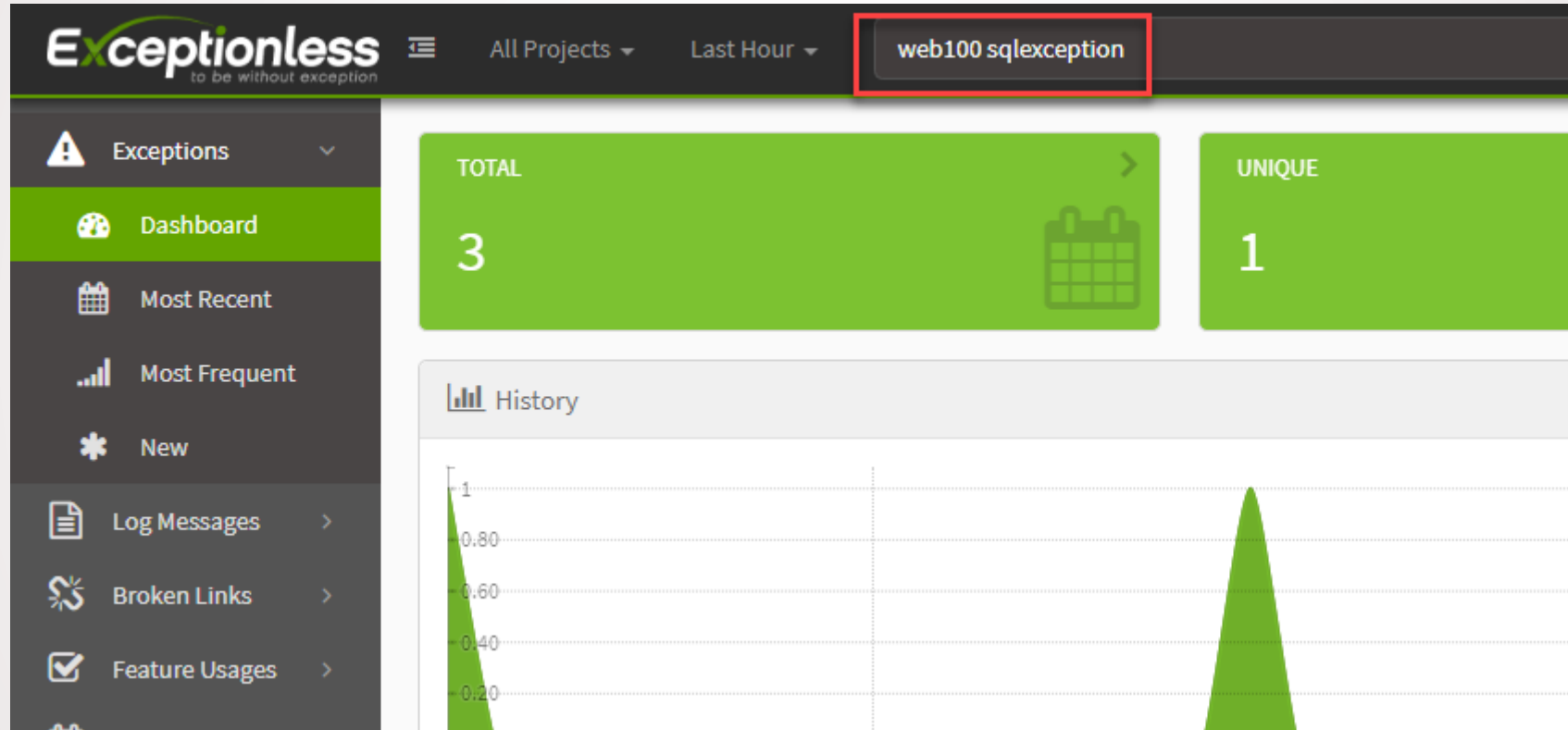
Exceptionless - exceptions



Exceptionless 資料查詢篩選條件 – 主機名稱

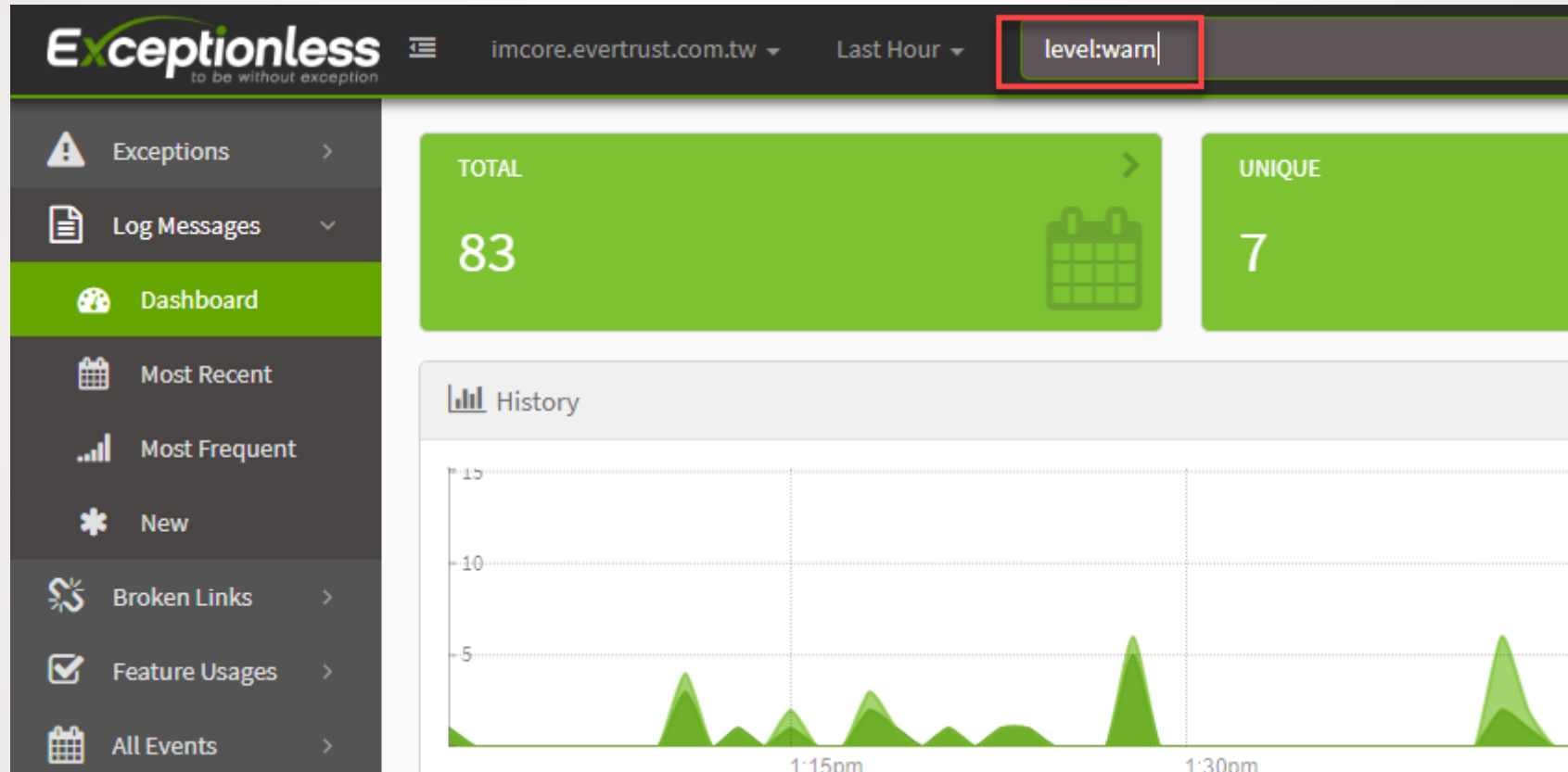


Exceptionless 資料查詢篩選條件 – exception 類別

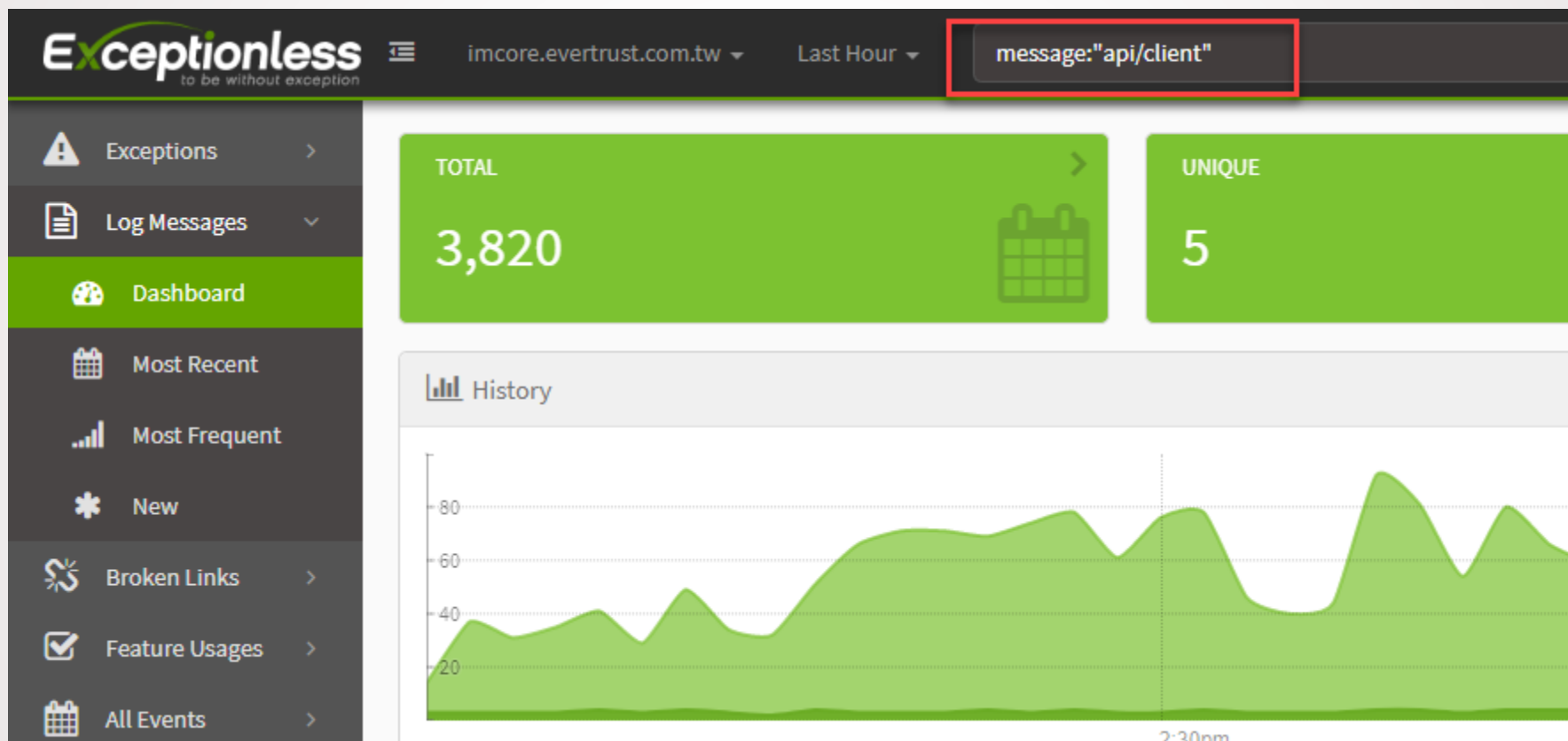


Exceptionless 資料查詢篩選條件 – Log Level

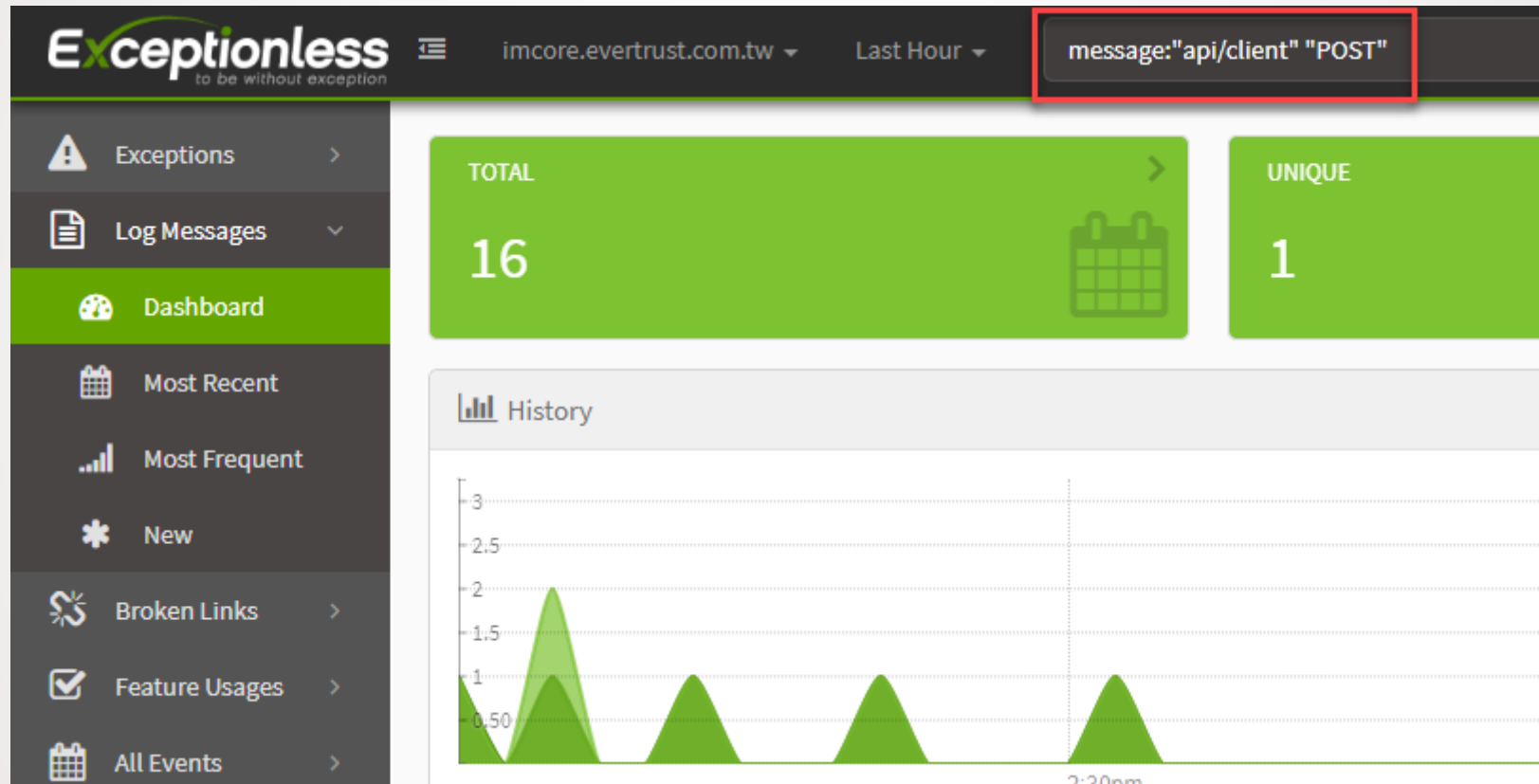
Log Level :
Trace Debug Info Warn Error Fatal



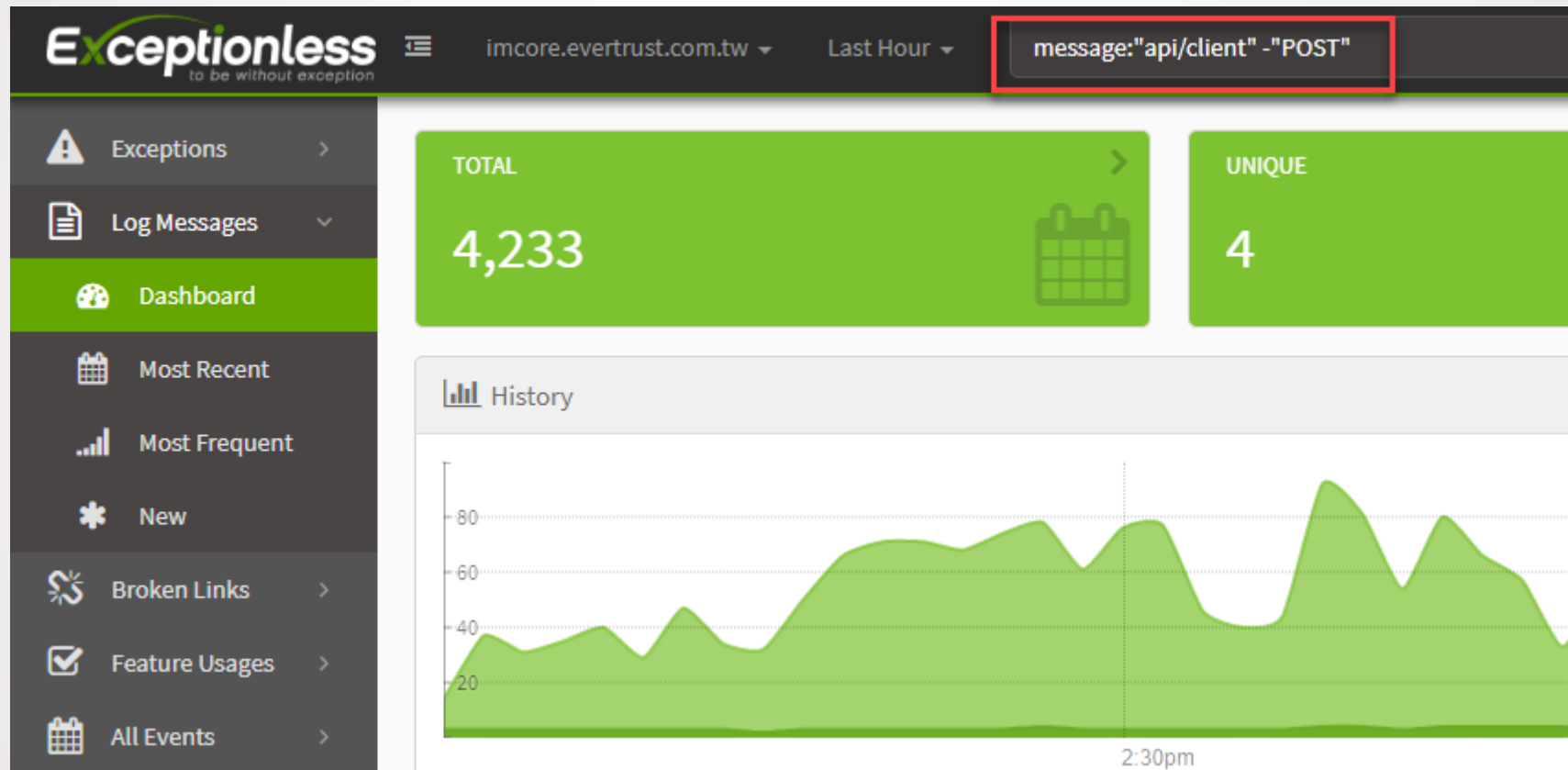
Exceptionless 資料查詢篩選條件 – message 搜尋



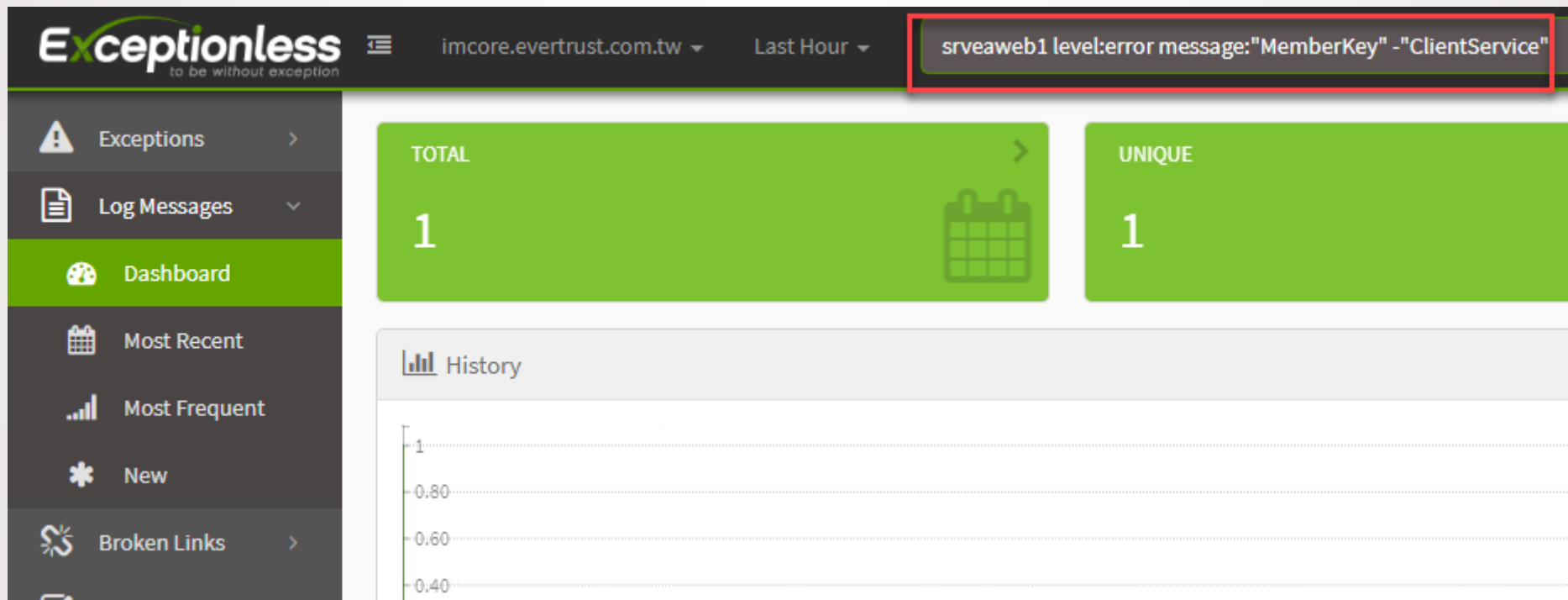
Exceptionless 資料查詢篩選條件 – 多組 message 搜尋



Exceptionless 資料查詢篩選條件 – message 搜尋 + 排除條件



Exceptionless 資料查詢篩選條件 – 多種篩選條件組合



Exceptionless – Filtering Searching

- <https://github.com/exceptionless/Exceptionless/wiki/Filtering-Searching>