eature is in a pre-release state and might change or have limited support. For more information, see the product launc
 (/products/#product-launch-stages).

This document describes how to access and view Stackdriver error reports in the Cloud Tools for
Visual Studio Error Reporting tab.

Configure your application to log exceptions in Stackdriver Logging
 (/error-reporting/docs/setup/compute-engine#using_logging).

To access and view the error reports in Visual Studio, select **Tools** -> **Google Cloud Tools** -> **Show
Stackdriver Error Reporting**.

The reports display the following:

Column	Description

OccurrencesNumber of times the error occurred in the selected time range.	
Users	Number of users affected by the error in the selected time range.
Error	Provides the error information, as extracted from its stack trace, including the error message and its code location.
Seen in	Lists the service and version in which the error occurs.
First seen	Time when the error first appeared. Sorting on this column is useful for finding the errors which have most recently started occurring.
Last seen	Time when the error last occurred. Sorting on this column is useful for seeing which errors are still occurring. You can also reverse sort to see which have stopped.
Status	If available, the HTTP status code returned with this error.

Stackdriver Error Reporting analyzes stack traces to remove duplicate errors and groups the errors according to the common frameworks used by your application's programming language.

You can select a time-range button to display only those errors that occur within the specified time frame. For example, clicking **1 hour** displays errors that occurred within the past hour.

You can click **Auto reload** to refresh the list every 10 seconds.

To view details about a specific error, click its row in the error list. The **Detail View** tab for the error displays.

Detail View - Stackdriver Error Reporting   ⚲ ✕   ▾

🔴 Account   xxx @ xxx .com   Project pacific-wind

← To overview window   ▶ AUTO RELOAD

System.Exception: This is pacific application exception.
GoogleCloudSamples.WebApiConfig.ExceptionalStone
C:\tide\1-hello-world-exception-handler\App_Start\WebApiConfig.cs:35 | 1 hour | 6 hours | 1 day | 7 days | 30 days |

Occurrences	Seen in	First seen	Last seen
11	myservice:version1	Tuesday, May 2, 2017 4:15:25 PM	Tuesday, May 2, 2017 4:42:41 PM

Error

| Parsed stack | Raw stack |

⌃ Stack trace sample

System.Exception: This is pacific application exception.
GoogleCloudSamples.WebApiConfig.ExceptionalStone C:\tide\1-hello-world-exception-handler\App_Start\WebApiConfig.cs:35
GoogleCloudSamples.WebApiConfig.HelloWorldHandler.SendAsync
C:\tide\1-hello-world-exception-handler\App_Start\WebApiConfig.cs:59
  at System.Net.Http.HttpMessageInvoker.SendAsync(HttpRequestMessage request, CancellationToken cancellationToken)
  at System.Web.Http.Dispatcher.HttpRoutingDispatcher.SendAsync(HttpRequestMessage request, CancellationToken
cancellationToken)
  at System.Net.Http.DelegatingHandler.SendAsync(HttpRequestMessage request, CancellationToken cancellationToken)
  at System.Web.Http.HttpServer.<SendAsync>d__0.MoveNext()

Recent samples

| 5/2/2017 11:42:41 PM | System.Exception: This is pacific application exception. |
| 5/2/2017 11:42:29 PM | System.Exception: This is pacific application exception. |

    System.Exception: This is pacific application exception.
      at GoogleCloudSamples.WebApiConfig.ExceptionalStone() in C:\tide\1-hello-world-exception-handler\App_Start\WebApiConfi
      at GoogleCloudSamples.WebApiConfig.HelloWorldHandler.SendAsync(HttpRequestMessage request, CancellationToken cance
      at System.Net.Http.HttpMessageInvoker.SendAsync(HttpRequestMessage request, CancellationToken cancellationToken)
      at System.Web.Http.Dispatcher.HttpRoutingDispatcher.SendAsync(HttpRequestMessage request, CancellationToken cancellatio
      at System.Net.Http.DelegatingHandler.SendAsync(HttpRequestMessage request, CancellationToken cancellationToken)
      at System.Web.Http.HttpServer.<SendAsync>d__0.MoveNext()

5/2/2017 11:42:21 PM	System.Exception: This is pacific application exception.
5/2/2017 11:42:16 PM	System.Exception: This is pacific application exception.
5/2/2017 11:42:12 PM	System.Exception: This is pacific application exception.
5/2/2017 11:16:01 PM	System.Exception: This is pacific application exception.
5/2/2017 11:15:58 PM	System.Exception: This is pacific application exception.
5/2/2017 11:15:54 PM	System.Exception: This is pacific application exception.
5/2/2017 11:15:37 PM	System.Exception: This is pacific application exception.

5/2/2017 11:15:33 PM   System.Exception: This is pacific application exception.

You can examine the history of the selected error, as well as access diagnostic information contained in a series of error samples. C# applications generate samples that include parsed stack traces.

Error Reporting groups together similar errors, so it only keeps 1,000 samples of the errors and then extrapolates. For each sample, the UI shows the data that is provided to Error Reporting.

Errors from the C# application and debug build contain source code location information at stack frames. To browse to the source code, click on the source link. First, you must load the project that contains the file in your current Visual Studio solution.

```
29      namespace GoogleCloudSamples
30      {
              ─references | Deren-Liao, 40 days ago | 1 author, 3 changes
31            public static class WebApiConfig
32            {
                  ─references | Deren-Liao, 40 days ago | 1 author, 2 changes
33                private static void ExceptionalStone()
34                {
35                    throw new Exception("This is pacific application exception.");
36
37
38
39
40
41
42
43
44
45
46
47
48                {
49                    ++counter;
```

Occurrences 11   First seen Tuesday, May 2, 2017 4:15:25 PM   Last seen Tuesday, May 2, 2017 4:42:4   ×

System.Exception: This is pacific application exception.
   at GoogleCloudSamples.WebApiConfig.ExceptionalStone() in C:\tide\1-hello-world-exception-h
   at GoogleCloudSamples.WebApiConfig.HelloWorldHandler.SendAsync(HttpRequestMessage re
   at System.Net.Http.HttpMessageInvoker.SendAsync(HttpRequestMessage request, Cancellation
   at System.Web.Http.Dispatcher.HttpRoutingDispatcher.SendAsync(HttpRequestMessage reques
   at System.Net.Http.DelegatingHandler.SendAsync(HttpRequestMessage request, CancellationTo
   at System.Web.Http.HttpServer.<SendAsync>d__0.MoveNext()

← Error Reporting