

## **Demonstrate how to avoid noise in the Sentry Reporting-Javascript**

Sentry offers application monitoring for different platforms like javascript, java, python and so on. This allows to keep track of issues in the releases and also control any roadblocking issues at the earliest before it affects the larger user base.

Due to increase in open source libraries and tools, most projects tend to use these open source libraries which enable them with faster to market. But project team will not be responsible in fixing issues in the libraries so sentry allows to skip the reporting of issues generated in the library by simple configuration.

**Step1:** Here we demonstrate for javascript platform

Here we use a user defined library to demonstrate how to configure to skip reporting issues in the library.

<https://anand-gith.github.io/Sentry/demo.js>

*#function to execute properly*

```
function dividend(numerator, denominator) {  
  
    var quotient = numerator / denominator;  
  
    if(isFinite(quotient)){  
        return quotient;  
    }  
    else{  
        return 0;  
    }  
}
```

*#function to thru error*

```
function error() {  
    var obj = {};  
    obj.invalidFunction();  
}
```

**Step2:** Before not configuring to skip reporting of issues from library. Sentry reports all issues  
Deployed a web application in tomcat with one html which uses inline script calling the library.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Sentry test for ignoring error from library</title>
    <script
      src="https://browser.sentry-cdn.com/6.2.5/bundle.min.js"
      integrity="sha384--0tgGYP4idWu9/NA6Jbmj3SAPxIg65/GR1zo3qSieRNYzmmDQ/5a1Yu6mfmUw+v"
      crossorigin="anonymous"
    ></script>
    <script>
      Sentry.init({
        dsn: 'https://7786a02068e24071b5b78a75036911c9@o608132.ingest.sentry.io/5745452',
        release: "1.1"
      });
    </script>

    <script src="https://anand-gith.github.io/Sentry/demo.js" crossorigin="anonymous"></script>

    <script>
      var obj = {};
      obj.invalidFunction(); // this error should always be reported to Sentry
    </script>

    <script>
      function docalc() {
        a=document.getElementById('num').value
        b=document.getElementById('dnum').value
        document.getElementById('res').value=dividend(a,b)
      }
    </script>
  </head>
  <body>
    <form>
      <label for="num">Value of Numerator:</label><br>
      <input type="number" id="num" name="num"><br>

```

← → ↻ ⓘ localhost:8080/sentrytest/

Value of Numerator:

Value of Denominator:

Result:

### Step3: Demonstrate error from library and reporting in sentry

Value of Numerator:

Value of Denominator:

Result:

The screenshot displays the Chrome DevTools interface. The 'Sources' panel is open, showing the file `bundle.min.js` with line 21 highlighted: `obj.invalidFunction(); // this error should always be reported to Sentry`. The 'Console' panel at the bottom shows two error messages:

- `Uncaught TypeError: obj.invalidFunction is not a function` at `(index):21`
- `Uncaught TypeError: obj.invalidFunction is not a function` at `error (demo.js:15)` at `HTMLInputElement.onclick ((index):45)`

The 'Breakpoints' panel shows two breakpoints set at line 17 and line 20. The 'Call Stack' panel shows the current state as 'Not paused'.

#### Step 4: Error reported from library

<input type="checkbox"/>	<input checked="" type="checkbox"/> Resolve <input type="checkbox"/>	<input checked="" type="checkbox"/> Ignore <input type="checkbox"/>	<input type="checkbox"/> Mark Reviewed	Merge	...	GRAPH:	24h 14d	EVENTS	USERS	ASSIGNEE
<input checked="" type="checkbox"/>	<b>TypeError</b>	<code>error(Sentry/demo)</code>	obj.invalidFunction is not a function					1	1	v
	New Issue	JS JAVASCRIPT-TEST-10	Unhandled	7min ago	6min old					
<input type="checkbox"/>	<b>TypeError</b>	<code>?(sentrytest/)</code>	obj.invalidFunction is not a function					1	1	v
	New Issue	JS JAVASCRIPT-TEST-Z	Unhandled	12min ago	12min old					

**Step5:** Now let's enable to skip reporting issues from library by using denyUrls.

By entering dsn and the library url as shown below:

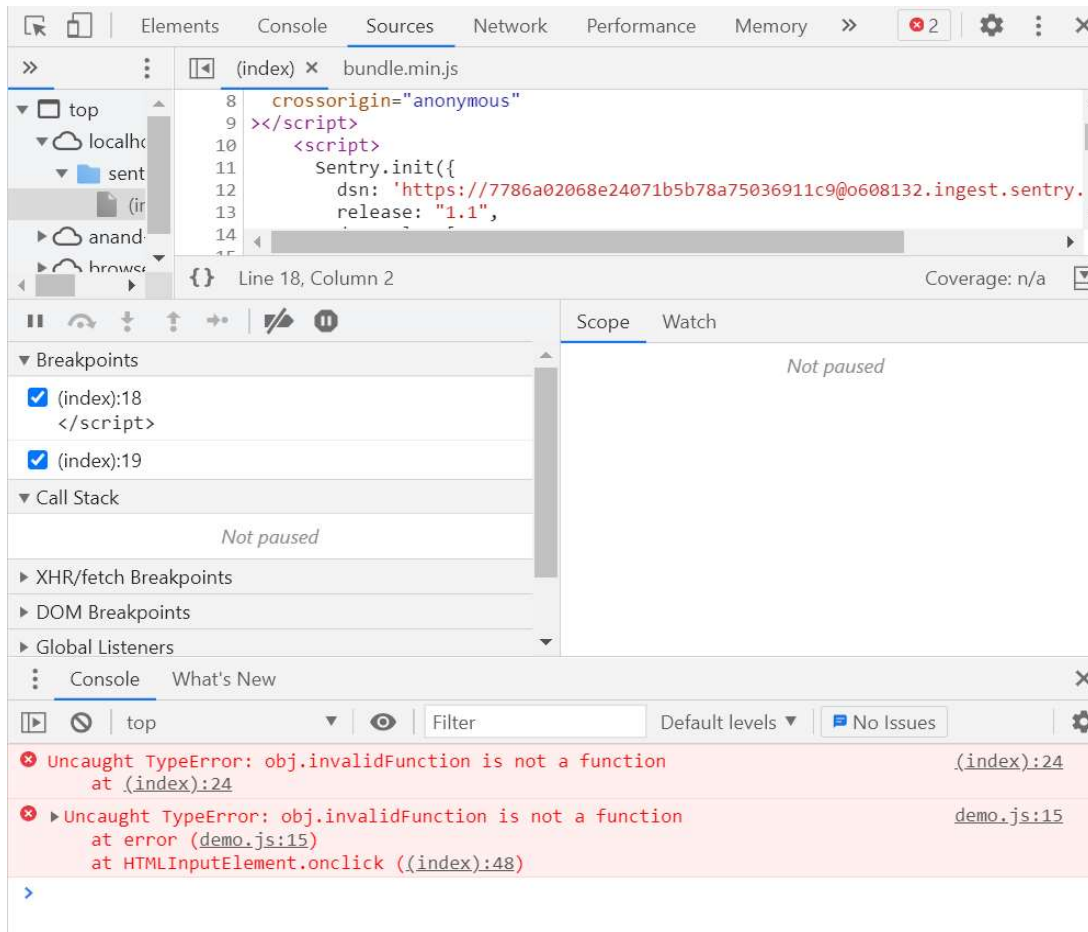
```
<script>
  Sentry.init({
    dsn: 'https://7786a02068e24071b5b78a75036911c9@o608132.ingest.sentry.io/5745452',
    release: "1.1",
    denyUrls: [
      /anand-gith\.github\.io\/Sentry\/demo\.js/i,
    ]
  });
</script>
```

#### Step6: Test application

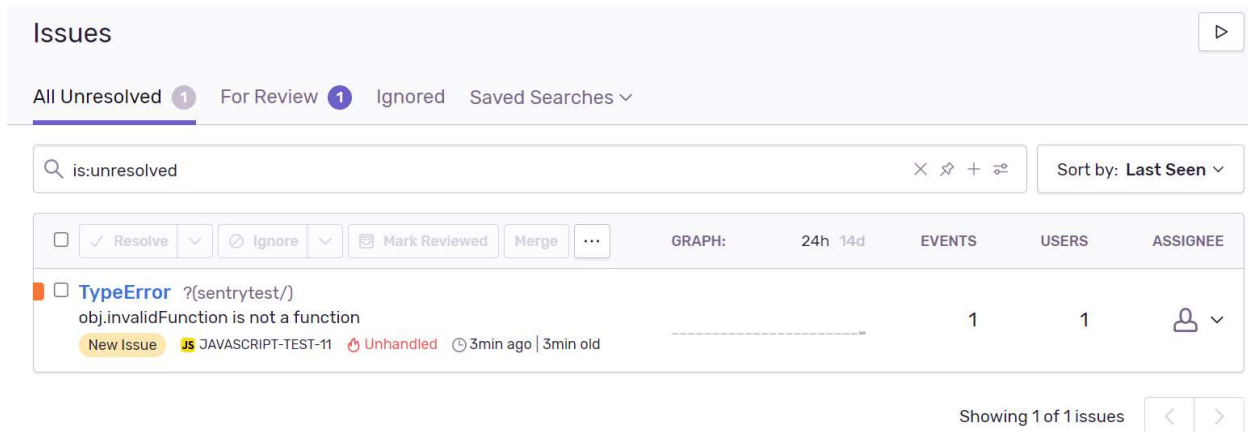
Value of Numerator:

Value of Denominator:

Result:



There is a error occurred in demo.js library, lets check whether its reported or not in sentry. As we have enabled to skip errors from demo.js library so it should not appear in sentry



Even though there was an error occurred in library demo.js but its not reported into sentry due to deny url setting. By using which we can reduce noise in sentry reporting and address only issues from releases.

Email alerts can also be configured and you receive mails of errors when occurred and reported in sentry.

<input type="checkbox"/>			Sentry	JAVASCRIPT-TEST-11 - TypeError: obj.invalidFunction is not a function - New ale...	1:40 PM
<input type="checkbox"/>			Sentry	JAVASCRIPT-TEST-10 - TypeError: obj.invalidFunction is not a function - New ale...	1:08 PM
<input type="checkbox"/>			Sentry	JAVASCRIPT-TEST-Z - TypeError: obj.invalidFunction is not a function - New alert...	1:03 PM