

# Simple Analytics

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## Trigger custom page views

Normally you want to trigger a custom page view for *Single Page Apps* (SPA's) like React, Vue, and Angular. Because pages are not completely reloaded on navigation we need a way to track those navigations as page views.

For some analytics tools like Google Analytics you need to trigger a page view via their script. For Simple Analytics this is different.

*With Simple Analytics there is **no** need to implement anything to detect page views in SPA's. It all works out of the box.*

## Technical explanation

We make this work by overwriting the native `pushState` -function of the browser.

```
// We check if the browser supports pushState if (history.pushState && Event &&
dispatchEvent) { // We create a listener based on the original browser feature
var stateListener = function (type) { var orig = history[type]; return function
() { var rv = orig.apply(this, arguments); var event = new Event(type);
event.arguments = arguments; dispatchEvent(event); return rv; }; }; // We
connect our own created a listener to the pushState feature history.pushState =
stateListener("pushState"); // Now we can listen for pushState events and keep
the original feature of the browser working
window.addEventListener("pushState", function () { // Here we trigger the page
view }); }
```

You can read our source code [on GitHub](#).

## Use custom collection anyway

There might be situation where you don't want to auto collect page views. When you add the `data-auto-collect="false"` attribute you can expose a function called `sa_pageview`. When you call this function, the script will send a page view with the path you give as a parameter. If you don't give a path it will use `window.location.pathname` as a default.

```
<script> function saLoaded() { // Always check for the function before using
it. // The script might be blocked or not loaded for other reasons. if
(window.sa_pageview) window.sa_pageview(window.location.pathname); } </script>
<script async defer data-auto-collect="false" onload="saLoaded()"
src="https://scripts.simpleanalyticscdn.com/latest.js" ></script> <noscript >
</noscript>
```

If you encounter issues, don't hesitate to contact us via [our support channels](#).

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