

DIAMOND



PLATINUM



GOLD



Partner Communities



Media Partners



Wellness Partners



master your debugger;

...

using Google Chrome

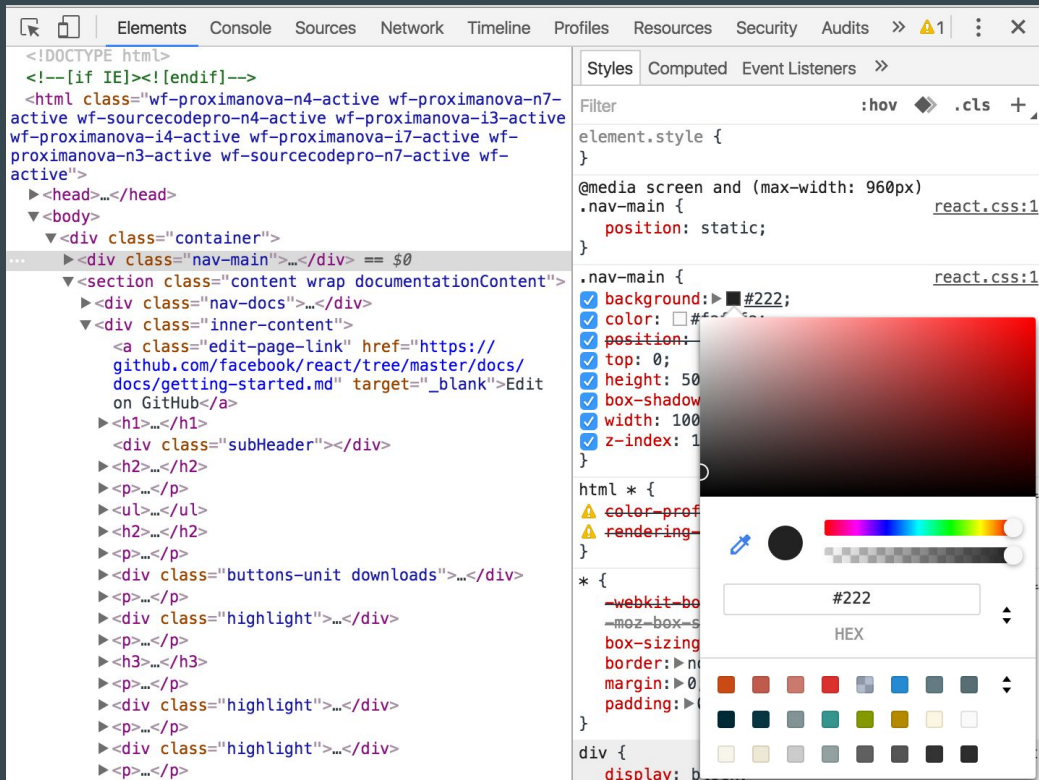
About me



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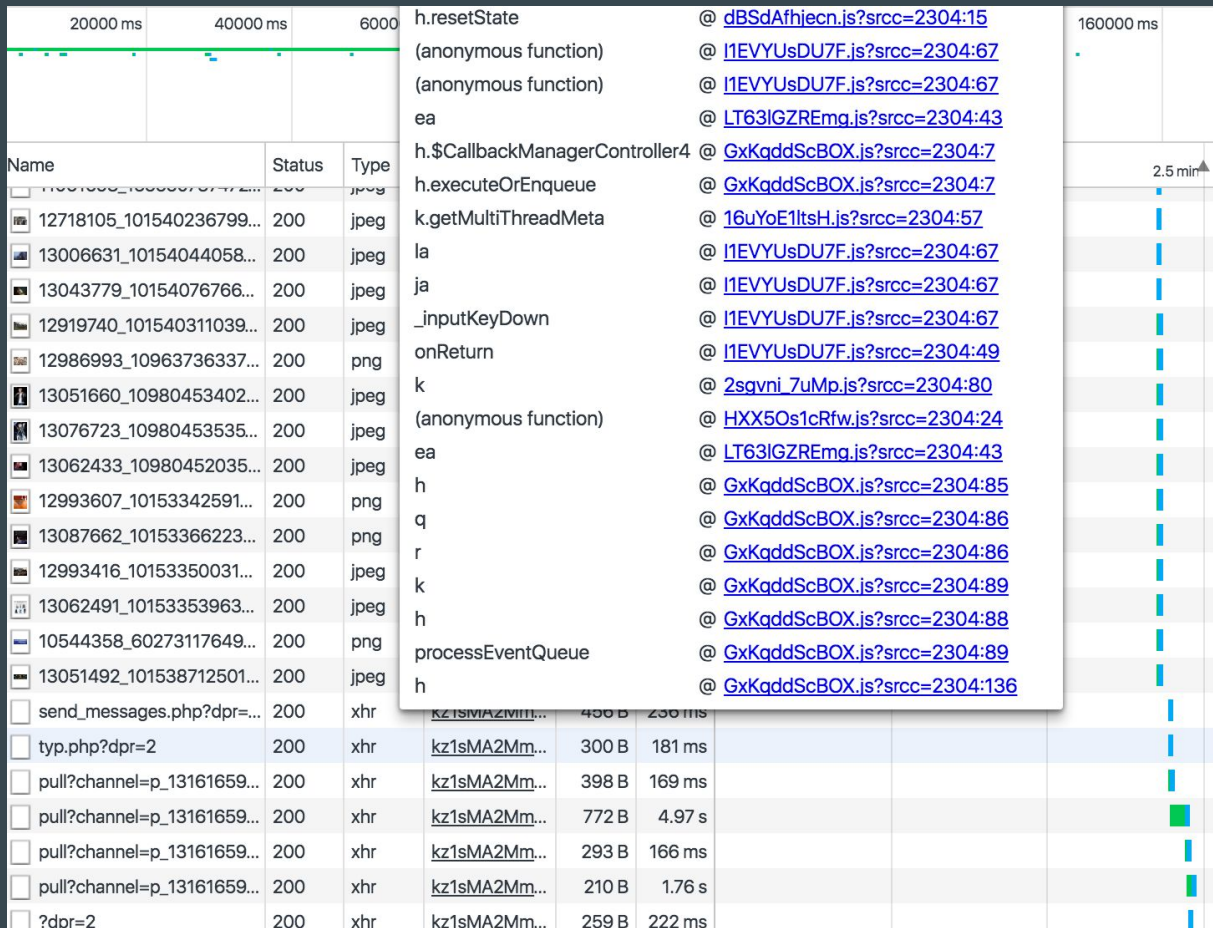
Elements



Console

```
⌵ top ▼ ☐ Preserve log
> $1
< ▶<p>...</p>
> $_.id = "fancyId"
< "fancyId"
> $1
< ▶<p id="fancyId">...</p>
> fancyId
< ▶<p id="fancyId">...</p>
> dir($_)
  ▶ p#fancyId VM1338:1
< undefined
> function debugFn() {
  debugger;
  return 'something';
}
< undefined
> monitor(debugFn)
< undefined
> debugFn('a')
  function debugFn called with arguments: a VM1394:1
< "something"
> unmonitor(debugFn)
< undefined
> debugFn('a')
< "something"
> undebug(debugFn)
< undefined
```

Network



Sources

The image shows a web browser's developer tools interface. The **Sources** panel on the left displays a file tree with the following structure:

- top
 - mail.google.com
 - mail/u/0
 - (no domain)
 - apis.google.com
 - ./scs/abc-static/_/js/k=gapi.gap...
 - m=client/exm=cloudsearch.g...
 - cb=gapi.loaded_2** (selected)
 - m=cloudsearch/exm=gapi_ifr...
 - m=gapi_iframes.googleapis_c...
 - m=iframes_styles_hover/exm=...
 - clients2.google.com
 - hangouts.google.com
 - lh3.googleusercontent.com
 - og
 - plus.google.com
 - ssl.gstatic.com
 - www.gstatic.com
 - l1_1461780928817 (recentposts)
 - l2_1461780933334 (frame)
 - l3_1461781004921 (hovercard)
 - apiproxy601a7178f192899fe0eb2
 - clients5.google.com/
 - clients5.google.com/
 - frame
 - gtn-roster-iframe-id (load)
 - h7t4vwqzt8buc (mail.google.com/)
 - j7t4vwqzt8buc (rs=AHGWq9A1yq)
 - oauth2relay845711645 (postmess...

The main pane shows the JavaScript code for `cb=gapi.loaded_2`. The code is as follows:

```
1  /* JS */
2  gapi.loaded_2(function(_) {
3      var window = this;
4      var ql;
5      var ol = function(a) {
6          if (!_.ld(a))
7              return null;
8          for (var b = {}, c = 0; c < a.length; c++)
9              b[a[c]] = a[c];
10         return b
11     };
12     ;
13     ;
14     var pl = function(a, b) {
15         var c = a.length;
16         if (c != b.length)
17             return !1;
18         for (var d = 0; d < c; ++d) {
19             var e = a.charCodeAt(d);
20             , f = b.charCodeAt(d);
21             65 <= e && 90 >= e && (e += 32);
22             65 <= f && 90 >= f && (f += 32);
23             if (e != f)
24                 return !1
25         }
26         return !0
27     };
28     ql = null;
29     var rl = function(a) {
30         if (null === ql) {
31             var b = _F("client/headers/response");
32             b || (b = _F("googleapis/headers/response"));
33             ql = _ol(b)
34         }
35         if (null != ql) {
36             if (ql.hasOwnProperty(a))
37                 return !0;
38             for (var c in ql)
39                 if (ql.hasOwnProperty(c) && _pl(c, a))
40                     return !0
41             }
42         return !1
43     };
44     ;
```

The **Breakpoints** panel on the right shows the following breakpoints:

- ☒ `cb=gapi.loaded_2:formatted:14`
var c = a.length;
- ☒ `cb=gapi.loaded_2:formatted:20`
65 <= e && 90 >= e && (e += 32);

The **Watch** panel shows `d: Object`. The **Call Stack** panel shows `Not Paused`. The **Scope** panel shows `Not Paused`. The **DOM Breakpoints** panel shows `+`. The **XHR Breakpoints** panel shows `+`. The **Event Listener Breakpoints** panel shows `+`. The **Event Listeners** panel shows `+`.

Resources

- <https://developers.google.com/web/tools/chrome-devtools/>
- <https://www.youtube.com/user/ChromeDevelopers>
- <https://chrome.google.com/webstore/detail/angularjs-batarang/ighdmehidhipcmcojjgiloacoafjmpfk>
- <https://chrome.google.com/webstore/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi>

Thanks

“Learning is hard work, but everything you learn is yours and will make subsequent learning easier.”

-- Marijn Haverbeke, Eloquent JavaScript: A Modern Introduction to Programming