```
1  <!doctype html>
2  <html lang="en">
3    <head>
4    <meta charset="utf-8" />
5    <title>Access permissions on GitHub - GitHub Docs</title>
6    <meta name="viewport" content="width=device-width, initial-
   scale=1">
7    <meta name="google-site-verification"
   content="OgdQc0GZfjDI52wDv1bkMT-SLpBUo_h5nn9mI9L22xQ" />
8    <meta name="google-site-verification" content="c1kuD-
   K2HIVF635lypcsWPoD4kilo5-jA_wBFyT4uMY" />
9
10   <!-- localized data needed by client-side JS  -->
11   <meta name="site.data.ui.search.placeholder" content="Search
   topics, products...">
12   <!-- end localized data -->
13
14
15     <meta name="description" content="While you can grant read/write
   access to collaborators on a personal repository, members of an
   organization can have more granular access permissions for the
   organization's repositories.">
16
17
18   <!-- hreflangs -->
19
20     <link
21       rel="alternate"
22       hreflang="en"
23       href="https://docs.github.com/en/github/getting-started-with-
   github/access-permissions-on-github"
24     />
25
26     <link
27       rel="alternate"
28       hreflang="zh-Hans"
29       href="https://docs.github.com/cn/github/getting-started-with-
   github/access-permissions-on-github"
30     />
31
32     <link
33       rel="alternate"
34       hreflang="ja"
35       href="https://docs.github.com/ja/github/getting-started-with-
   github/access-permissions-on-github"
36     />
37
38     <link
39       rel="alternate"
40       hreflang="es"
41       href="https://docs.github.com/es/github/getting-started-with-
   github/access-permissions-on-github"
42     />
43
44     <link
45       rel="alternate"
46       hreflang="pt"
47       href="https://docs.github.com/pt/github/getting-started-with-
   github/access-permissions-on-github"
48     />
```

```
49
50      <link
51        rel="alternate"
52        hreflang="de"
53        href="https://docs.github.com/de/github/getting-started-with-
    github/access-permissions-on-github"
54      />
55

56
57    <link rel="stylesheet" href="/dist
    /index.css?hash=e541b280d305ed56e32aa3b384722717">
58    <link rel="alternate icon" type="image/png" href="/assets/images
    /site/favicon.png">
59    <link rel="icon" type="image/svg+xml" href="/assets/images
    /site/favicon.svg">
60  </head>
61

62
63    <body class="d-lg-flex">
64      <!-- product > category > maptopic > article -->
65  <div class="sidebar d-none d-lg-block">
66
67    <div class="d-flex flex-items-center p-4 position-sticky top-0
    sidebar-background-color" style="z-index: 3;" id="github-logo"
    role="banner">
68      <a href="/en" class="text-white" aria-hidden="true"
    tabindex="-1">
69        <svg version="1.1" width="32" height="32" viewBox="0 0 16 16"
    class="octicon octicon-mark-github" aria-hidden="true"><path fill-
    rule="evenodd" d="M8 0C3.58 0 0 3.58 0 8c0 3.54 2.29 6.53 5.47
    7.59.4.07.55-.17.55-.38
    0-.19-.01-.82-.01-1.49-2.01.37-2.53-.49-2.69-.94-.09-.23-.48-.94-.82
    -1.13-.28-.15-.68-.52-.01-.53.63-.01 1.08.58 1.23.82.72 1.21 1.87.87
    2.33.66.07-.52.28-.87.51-1.07-1.78-.2-3.64-.89-3.64-3.95
    0-.87.31-1.59.82-2.15-.08-.2-.36-1.02.08-2.12 0 0 .67-.21
    2.2.82.64-.18 1.32-.27 2-.27.68 0 1.36.09 2 .27 1.53-1.04 2.2-.82
    2.2-.82.44 1.1.16 1.92.08 2.12.51.56.82 1.27.82 2.15 0 3.07-1.87
    3.75-3.65 3.95.29.25.54.73.54 1.48 0 1.07-.01 1.93-.01 2.2 0
    .21.15.46.55.38A8.013 8.013 0 0016 8c0-4.42-3.58-8-8-8z"></path>
    </svg>
70      </a>
71      <a href="/en" class="h4-mktg text-white no-underline no-wrap
    pl-2 flex-auto">GitHub Docs</a>
72    </div>
73
74    <nav>
75
76      <ul class="sidebar-products">
77        <!--
78    Styling note:
79
80    Categories, Maptopics, and Articles list items get a class of
    `active` when they correspond to content
81      hierarchy of the current page. If an item's URL is also the same
    as the current URL, the item
82      also gets an `is-current-page` class.
83    -->
84

85
86
```

```html
 87 <li title="Home">
 88   <a href="/en" class="f6 pl-4 pr-5 ml-n1 pb-1">
 89     <svg xmlns="http://www.w3.org/2000/svg" class="octicon"
    viewBox="0 0 16 16" width="16" height="16">  <path fill-
    rule="evenodd" clip-rule="evenodd" d="M7.78033 12.5303C7.48744
    12.8232 7.01256 12.8232 6.71967 12.5303L2.46967 8.28033C2.17678
    7.98744 2.17678 7.51256 2.46967 7.21967L6.71967 2.96967C7.01256
    2.67678 7.48744 2.67678 7.78033 2.96967C8.07322 3.26256 8.07322
    3.73744 7.78033 4.03033L4.81066 7L12.25 7C12.6642 7 13 7.33579 13
    7.75C13 8.16421 12.6642 8.5 12.25 8.5L4.81066 8.5L7.78033
    11.4697C8.07322 11.7626 8.07322 12.2374 7.78033 12.5303Z"></path>
    </svg>
 90     All products
 91   </a>
 92 </li>
 93
 94
 95 <li title="GitHub.com" class="sidebar-product mb-2">
 96
 97   <a href="/en/github" class="pl-4 pr-5 pb-1 f4">GitHub.com</a>
 98
 99 </li>
100 <li>
101 <ul class="sidebar-categories list-style-none">
102
103
104
105   <li class="sidebar-category py-1 active ">
106
107     <details class="dropdown-withArrow details details-reset" open>
108       <summary>
109         <div class="d-flex flex-justify-between">
110           <a href="/en/github/getting-started-with-github"
    class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
    mr-3">Getting started</a>
111
112           <svg xmlns="http://www.w3.org/2000/svg" class="octicon
    flex-shrink-0 arrow mr-3" style="margin-top:7px" viewBox="0 0 16 16"
    width="16" height="16"> <path fill-rule="evenodd" clip-
    rule="evenodd" d="M12.7803 6.21967C13.0732 6.51256 13.0732 6.98744
    12.7803 7.28033L8.53033 11.5303C8.23744 11.8232 7.76256 11.8232
    7.46967 11.5303L3.21967 7.28033C2.92678 6.98744 2.92678 6.51256
    3.21967 6.21967C3.51256 5.92678 3.98744 5.92678 4.28033 6.21967L8
    9.93934L11.7197 6.21967C12.0126 5.92678 12.4874 5.92678 12.7803
    6.21967Z"></path></svg>
113
114         </div>
115       </summary>
116
117       <!-- some categories have maptopics with child articles -->
118
119
120       <ul class="sidebar-topics list-style-none position-relative">
121
122
123
124
125           <li class="sidebar-maptopic ">
126             <a href="/en/github/getting-started-with-github
    /quickstart" class="pl-4 pr-5 py-2">Quickstart</a>
```

```html
127                    <ul class="sidebar-articles my-2">
128
129
130
131
132                        <li class="sidebar-article ">
133                            <a href="/en/github/getting-started-with-github
     /set-up-git" class="pl-6 pr-5 py-1">Set up Git</a>
134                        </li>
135
136
137
138
139
140                        <li class="sidebar-article ">
141                            <a href="/en/github/getting-started-with-github
     /create-a-repo" class="pl-6 pr-5 py-1">Create a repo</a>
142                        </li>
143
144
145
146
147
148                        <li class="sidebar-article ">
149                            <a href="/en/github/getting-started-with-github
     /fork-a-repo" class="pl-6 pr-5 py-1">Fork a repo</a>
150                        </li>
151
152
153
154
155
156                        <li class="sidebar-article ">
157                            <a href="/en/github/getting-started-with-github
     /be-social" class="pl-6 pr-5 py-1 pb-2">Be social</a>
158                        </li>
159
160
161                    </ul>
162                </li>
163
164
165
166
167
168            <li class="sidebar-maptopic active ">
169                <a href="/en/github/getting-started-with-github
     /learning-about-github" class="pl-4 pr-5 py-2">Learning about
     GitHub</a>
170                    <ul class="sidebar-articles my-2">
171
172
173
174
175                        <li class="sidebar-article ">
176                            <a href="/en/github/getting-started-with-github
     /githubs-products" class="pl-6 pr-5 py-1">GitHub's products</a>
177                        </li>
178
179
```

```html
180
181
182
183                  <li class="sidebar-article ">
184                    <a href="/en/github/getting-started-with-github
     /about-github-advanced-security" class="pl-6 pr-5 py-1">About GitHub
     Advanced Security</a>
185                  </li>
186
187
188
189
190
191                  <li class="sidebar-article ">
192                    <a href="/en/github/getting-started-with-github
     /exploring-early-access-releases-with-feature-preview" class="pl-6
     pr-5 py-1">Exploring early access releases with feature preview</a>
193                  </li>
194
195
196
197
198
199                  <li class="sidebar-article ">
200                    <a href="/en/github/getting-started-with-github
     /types-of-github-accounts" class="pl-6 pr-5 py-1">Types of GitHub
     accounts</a>
201                  </li>
202
203
204
205
206
207                  <li class="sidebar-article ">
208                    <a href="/en/github/getting-started-with-github
     /faq-about-changes-to-githubs-plans" class="pl-6 pr-5 py-1">FAQ
     about changes to GitHub's plans</a>
209                  </li>
210
211
212
213
214
215                  <li class="sidebar-article ">
216                    <a href="/en/github/getting-started-with-github
     /github-cli" class="pl-6 pr-5 py-1">GitHub CLI</a>
217                  </li>
218
219
220
221
222
223                  <li class="sidebar-article ">
224                    <a href="/en/github/getting-started-with-github
     /github-desktop" class="pl-6 pr-5 py-1">GitHub Desktop</a>
225                  </li>
226
227
228
229
```

```
230
231                     <li class="sidebar-article ">
232                       <a href="/en/github/getting-started-with-github
    /github-for-mobile" class="pl-6 pr-5 py-1">GitHub for mobile</a>
233                     </li>
234
235
236
237
238
239                     <li class="sidebar-article active is-current-page">
240                       <a href="/en/github/getting-started-with-github
    /access-permissions-on-github" class="pl-6 pr-5 py-1">Access
    permissions on GitHub</a>
241                     </li>
242
243
244
245
246
247                     <li class="sidebar-article ">
248                       <a href="/en/github/getting-started-with-github
    /github-glossary" class="pl-6 pr-5 py-1">GitHub glossary</a>
249                     </li>
250
251
252
253
254
255                     <li class="sidebar-article ">
256                       <a href="/en/github/getting-started-with-github
    /git-cheatsheet" class="pl-6 pr-5 py-1">Git cheatsheet</a>
257                     </li>
258
259
260
261
262
263                     <li class="sidebar-article ">
264                       <a href="/en/github/getting-started-with-github
    /git-and-github-learning-resources" class="pl-6 pr-5 py-1 pb-2">Git
    and GitHub learning resources</a>
265                     </li>
266
267
268                 </ul>
269               </li>
270
271
272
273
274
275             <li class="sidebar-maptopic ">
276               <a href="/en/github/getting-started-with-github
    /signing-up-for-github" class="pl-4 pr-5 py-2">Signing up for
    GitHub</a>
277                 <ul class="sidebar-articles my-2">
278
279
280
```

```
281
282                    <li class="sidebar-article ">
283                      <a href="/en/github/getting-started-with-github
   /signing-up-for-a-new-github-account" class="pl-6 pr-5 py-1">Sign up
   for a new GitHub account</a>
284                    </li>
285
286
287
288
289
290                    <li class="sidebar-article ">
291                      <a href="/en/github/getting-started-with-github
   /verifying-your-email-address" class="pl-6 pr-5 py-1">Verifying your
   email address</a>
292                    </li>
293
294
295
296
297
298                    <li class="sidebar-article ">
299                      <a href="/en/github/getting-started-with-github
   /setting-up-a-trial-of-github-enterprise-cloud" class="pl-6 pr-5
   py-1">Setting up a trial of GitHub Enterprise Cloud</a>
300                    </li>
301
302
303
304
305
306                    <li class="sidebar-article ">
307                      <a href="/en/github/getting-started-with-github
   /setting-up-a-trial-of-github-enterprise-server" class="pl-6 pr-5
   py-1 pb-2">Setting up a trial of GitHub Enterprise Server</a>
308                    </li>
309
310
311                  </ul>
312                </li>
313
314
315
316
317
318              <li class="sidebar-maptopic ">
319                <a href="/en/github/getting-started-with-github
   /exploring-projects-on-github" class="pl-4 pr-5 py-2">Exploring
   projects on GitHub</a>
320                <ul class="sidebar-articles my-2">
321
322
323
324
325                    <li class="sidebar-article ">
326                      <a href="/en/github/getting-started-with-github
   /finding-ways-to-contribute-to-open-source-on-github" class="pl-6
   pr-5 py-1">Finding ways to contribute to open source on GitHub</a>
327                    </li>
328
```

```
329
330
331
332
333                    <li class="sidebar-article ">
334                      <a href="/en/github/getting-started-with-github
     /saving-repositories-with-stars" class="pl-6 pr-5 py-1">Saving
     repositories with stars</a>
335                    </li>
336
337
338
339
340
341                    <li class="sidebar-article ">
342                      <a href="/en/github/getting-started-with-github
     /following-people" class="pl-6 pr-5 py-1 pb-2">Following people</a>
343                    </li>
344
345
346                </ul>
347              </li>
348
349
350
351
352
353            <li class="sidebar-maptopic ">
354              <a href="/en/github/getting-started-with-github/using-
     github" class="pl-4 pr-5 py-2">Using GitHub</a>
355              <ul class="sidebar-articles my-2">
356
357
358
359
360                    <li class="sidebar-article ">
361                      <a href="/en/github/getting-started-with-github
     /supported-browsers" class="pl-6 pr-5 py-1">Supported browsers</a>
362                    </li>
363
364
365
366
367
368                    <li class="sidebar-article ">
369                      <a href="/en/github/getting-started-with-github
     /troubleshooting-connectivity-problems" class="pl-6 pr-5
     py-1">Troubleshooting connectivity problems</a>
370                    </li>
371
372
373
374
375
376                    <li class="sidebar-article ">
377                      <a href="/en/github/getting-started-with-github
     /keyboard-shortcuts" class="pl-6 pr-5 py-1 pb-2">Keyboard
     shortcuts</a>
378                    </li>
379
```

```html
380
381                    </ul>
382                </li>
383
384
385        </ul>
386        <!-- some categories have no maptopics, only articles -->
387
388
389      </details>
390    </li>
391
392
393
394    <li class="sidebar-category py-1 ">
395
396      <details class="dropdown-withArrow details details-reset" open>
397        <summary>
398          <div class="d-flex flex-justify-between">
399            <a href="/en/github/setting-up-and-managing-your-github-
   user-account" class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-
   auto mr-3">User accounts</a>
400
401            <svg xmlns="http://www.w3.org/2000/svg" class="octicon
   flex-shrink-0 arrow mr-3" style="margin-top:7px" viewBox="0 0 16 16"
   width="16" height="16"> <path fill-rule="evenodd" clip-
   rule="evenodd" d="M12.7803 6.21967C13.0732 6.51256 13.0732 6.98744
   12.7803 7.28033L8.53033 11.5303C8.23744 11.8232 7.76256 11.8232
   7.46967 11.5303L3.21967 7.28033C2.92678 6.98744 2.92678 6.51256
   3.21967 6.21967C3.51256 5.92678 3.98744 5.92678 4.28033 6.21967L8
   9.93934L11.7197 6.21967C12.0126 5.92678 12.4874 5.92678 12.7803
   6.21967Z"></path></svg>
402
403          </div>
404        </summary>
405
406        <!-- some categories have maptopics with child articles -->
407
408
409        <ul class="sidebar-topics list-style-none position-relative">
410
411
412
413
414            <li class="sidebar-maptopic ">
415              <a href="/en/github/setting-up-and-managing-your-
   github-user-account/managing-user-account-settings" class="pl-4 pr-5
   py-2">Managing user account settings</a>
416              <ul class="sidebar-articles my-2">
417
418
419
420
421                <li class="sidebar-article ">
422                  <a href="/en/github/setting-up-and-managing-your-
   github-user-account/about-your-personal-dashboard" class="pl-6 pr-5
   py-1">About your personal dashboard</a>
423                </li>
424
425
```

```html
426
427
428
429                <li class="sidebar-article ">
430                  <a href="/en/github/setting-up-and-managing-your-
   github-user-account/managing-your-theme-settings" class="pl-6 pr-5
   py-1">Managing your theme settings</a>
431                </li>
432
433
434
435
436
437                <li class="sidebar-article ">
438                  <a href="/en/github/setting-up-and-managing-your-
   github-user-account/changing-your-github-username" class="pl-6 pr-5
   py-1">Changing your GitHub username</a>
439                </li>
440
441
442
443
444
445                <li class="sidebar-article ">
446                  <a href="/en/github/setting-up-and-managing-your-
   github-user-account/merging-multiple-user-accounts" class="pl-6 pr-5
   py-1">Merging multiple user accounts</a>
447                </li>
448
449
450
451
452
453                <li class="sidebar-article ">
454                  <a href="/en/github/setting-up-and-managing-your-
   github-user-account/converting-a-user-into-an-organization"
   class="pl-6 pr-5 py-1">Converting a user into an organization</a>
455                </li>
456
457
458
459
460
461                <li class="sidebar-article ">
462                  <a href="/en/github/setting-up-and-managing-your-
   github-user-account/deleting-your-user-account" class="pl-6 pr-5
   py-1">Deleting your user account</a>
463                </li>
464
465
466
467
468
469                <li class="sidebar-article ">
470                  <a href="/en/github/setting-up-and-managing-your-
   github-user-account/permission-levels-for-a-user-account-repository"
   class="pl-6 pr-5 py-1">Permission levels for a user account
   repository</a>
471                </li>
472
```

```
473
474
475
476
477                    <li class="sidebar-article ">
478                       <a href="/en/github/setting-up-and-managing-your-
     github-user-account/permission-levels-for-user-owned-project-boards"
     class="pl-6 pr-5 py-1">Permission levels for user-owned project
     boards</a>
479                    </li>
480
481
482
483
484
485                    <li class="sidebar-article ">
486                       <a href="/en/github/setting-up-and-managing-your-
     github-user-account/managing-the-default-branch-name-for-your-
     repositories" class="pl-6 pr-5 py-1">Managing the default branch
     name for your repositories</a>
487                    </li>
488
489
490
491
492
493                    <li class="sidebar-article ">
494                       <a href="/en/github/setting-up-and-managing-your-
     github-user-account/managing-security-and-analysis-settings-for-
     your-user-account" class="pl-6 pr-5 py-1">Managing security and
     analysis settings for your user account</a>
495                    </li>
496
497
498
499
500
501                    <li class="sidebar-article ">
502                       <a href="/en/github/setting-up-and-managing-your-
     github-user-account/managing-access-to-your-user-accounts-project-
     boards" class="pl-6 pr-5 py-1">Managing access to your user
     account's project boards</a>
503                    </li>
504
505
506
507
508
509                    <li class="sidebar-article ">
510                       <a href="/en/github/setting-up-and-managing-your-
     github-user-account/best-practices-for-leaving-your-company"
     class="pl-6 pr-5 py-1">Best practices for leaving your company</a>
511                    </li>
512
513
514
515
516
517                    <li class="sidebar-article ">
518                       <a href="/en/github/setting-up-and-managing-your-
```

```
      github-user-account/what-does-the-available-for-hire-checkbox-do"
      class="pl-6 pr-5 py-1 pb-2">What does the 'Available for hire'
      checkbox do?</a>
519                 </li>
520
521
522            </ul>
523          </li>
524
525
526
527
528
529          <li class="sidebar-maptopic ">
530            <a href="/en/github/setting-up-and-managing-your-
      github-user-account/managing-email-preferences" class="pl-4 pr-5
      py-2">Managing email preferences</a>
531            <ul class="sidebar-articles my-2">
532
533
534
535
536              <li class="sidebar-article ">
537                <a href="/en/github/setting-up-and-managing-your-
      github-user-account/adding-an-email-address-to-your-github-account"
      class="pl-6 pr-5 py-1">Adding an email address to your GitHub
      account</a>
538              </li>
539
540
541
542
543
544              <li class="sidebar-article ">
545                <a href="/en/github/setting-up-and-managing-your-
      github-user-account/changing-your-primary-email-address" class="pl-6
      pr-5 py-1">Changing your primary email address</a>
546              </li>
547
548
549
550
551
552              <li class="sidebar-article ">
553                <a href="/en/github/setting-up-and-managing-your-
      github-user-account/setting-a-backup-email-address" class="pl-6 pr-5
      py-1">Setting a backup email address</a>
554              </li>
555
556
557
558
559
560              <li class="sidebar-article ">
561                <a href="/en/github/setting-up-and-managing-your-
      github-user-account/setting-your-commit-email-address" class="pl-6
      pr-5 py-1">Setting your commit email address</a>
562              </li>
563
564
```

```
565
566
567
568                    <li class="sidebar-article ">
569                        <a href="/en/github/setting-up-and-managing-your-
    github-user-account/blocking-command-line-pushes-that-expose-your-
    personal-email-address" class="pl-6 pr-5 py-1">Blocking command line
    pushes that expose your personal email address</a>
570                    </li>
571
572
573
574
575
576                    <li class="sidebar-article ">
577                        <a href="/en/github/setting-up-and-managing-your-
    github-user-account/remembering-your-github-username-or-email"
    class="pl-6 pr-5 py-1">Remembering your GitHub username or email</a>
578                    </li>
579
580
581
582
583
584                    <li class="sidebar-article ">
585                        <a href="/en/github/setting-up-and-managing-your-
    github-user-account/types-of-emails-github-sends" class="pl-6 pr-5
    py-1">Types of emails GitHub sends</a>
586                    </li>
587
588
589
590
591
592                    <li class="sidebar-article ">
593                        <a href="/en/github/setting-up-and-managing-your-
    github-user-account/managing-marketing-emails-from-github"
    class="pl-6 pr-5 py-1 pb-2">Managing marketing emails from
    GitHub</a>
594                    </li>
595
596
597                  </ul>
598                </li>
599
600
601
602
603
604              <li class="sidebar-maptopic ">
605                  <a href="/en/github/setting-up-and-managing-your-
    github-user-account/managing-access-to-your-personal-repositories"
    class="pl-4 pr-5 py-2">Managing access to your personal
    repositories</a>
606                  <ul class="sidebar-articles my-2">
607
608
609
610
611                    <li class="sidebar-article ">
```

```html
612                    <a href="/en/github/setting-up-and-managing-your-
      github-user-account/inviting-collaborators-to-a-personal-repository"
      class="pl-6 pr-5 py-1">Inviting collaborators to a personal
      repository</a>
613                    </li>
614
615
616
617
618
619                    <li class="sidebar-article ">
620                      <a href="/en/github/setting-up-and-managing-your-
      github-user-account/removing-a-collaborator-from-a-personal-
      repository" class="pl-6 pr-5 py-1">Removing a collaborator from a
      personal repository</a>
621                    </li>
622
623
624
625
626
627                    <li class="sidebar-article ">
628                      <a href="/en/github/setting-up-and-managing-your-
      github-user-account/removing-yourself-from-a-collaborators-
      repository" class="pl-6 pr-5 py-1">Removing yourself from a
      collaborator's repository</a>
629                    </li>
630
631
632
633
634
635                    <li class="sidebar-article ">
636                      <a href="/en/github/setting-up-and-managing-your-
      github-user-account/maintaining-ownership-continuity-of-your-user-
      accounts-repositories" class="pl-6 pr-5 py-1 pb-2">Maintaining
      ownership continuity of your user account's repositories</a>
637                    </li>
638
639
640                  </ul>
641                </li>
642
643
644
645
646
647            <li class="sidebar-maptopic ">
648              <a href="/en/github/setting-up-and-managing-your-
      github-user-account/managing-your-membership-in-organizations"
      class="pl-4 pr-5 py-2">Managing your membership in organizations</a>
649              <ul class="sidebar-articles my-2">
650
651
652
653
654                    <li class="sidebar-article ">
655                      <a href="/en/github/setting-up-and-managing-your-
      github-user-account/about-organization-membership" class="pl-6 pr-5
      py-1">About organization membership</a>
```

```html
                    </li>




                    <li class="sidebar-article ">
                        <a href="/en/github/setting-up-and-managing-your-
    github-user-account/accessing-an-organization" class="pl-6 pr-5
    py-1">Accessing an organization</a>
                    </li>






                    <li class="sidebar-article ">
                        <a href="/en/github/setting-up-and-managing-your-
    github-user-account/viewing-peoples-roles-in-an-organization"
    class="pl-6 pr-5 py-1">Viewing people's roles in an organization</a>
                    </li>





                    <li class="sidebar-article ">
                        <a href="/en/github/setting-up-and-managing-your-
    github-user-account/requesting-organization-approval-for-oauth-apps"
    class="pl-6 pr-5 py-1">Requesting organization approval for OAuth
    Apps</a>
                    </li>





                    <li class="sidebar-article ">
                        <a href="/en/github/setting-up-and-managing-your-
    github-user-account/publicizing-or-hiding-organization-membership"
    class="pl-6 pr-5 py-1">Publicizing or hiding organization
    membership</a>
                    </li>





                    <li class="sidebar-article ">
                        <a href="/en/github/setting-up-and-managing-your-
    github-user-account/managing-your-scheduled-reminders" class="pl-6
    pr-5 py-1">Managing your scheduled reminders</a>
                    </li>






                    <li class="sidebar-article ">
                        <a href="/en/github/setting-up-and-managing-your-
```

```
      github-user-account/removing-yourself-from-an-organization"
      class="pl-6 pr-5 py-1 pb-2">Removing yourself from an
      organization</a>
704                    </li>
705
706
707                </ul>
708              </li>
709
710
711          </ul>
712          <!-- some categories have no maptopics, only articles -->
713
714
715        </details>
716      </li>
717
718
719
720      <li class="sidebar-category py-1 ">
721
722        <details class="dropdown-withArrow details details-reset" open>
723          <summary>
724            <div class="d-flex flex-justify-between">
725              <a href="/en/github/setting-up-and-managing-your-github-
      profile" class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
      mr-3">Profiles</a>
726
727              <svg xmlns="http://www.w3.org/2000/svg" class="octicon
      flex-shrink-0 arrow mr-3" style="margin-top:7px" viewBox="0 0 16 16"
      width="16" height="16"> <path fill-rule="evenodd" clip-
      rule="evenodd" d="M12.7803 6.21967C13.0732 6.51256 13.0732 6.98744
      12.7803 7.28033L8.53033 11.5303C8.23744 11.8232 7.76256 11.8232
      7.46967 11.5303L3.21967 7.28033C2.92678 6.98744 2.92678 6.51256
      3.21967 6.21967C3.51256 5.92678 3.98744 5.92678 4.28033 6.21967L8
      9.93934L11.7197 6.21967C12.0126 5.92678 12.4874 5.92678 12.7803
      6.21967Z"></path></svg>
728
729            </div>
730          </summary>
731
732          <!-- some categories have maptopics with child articles -->
733
734
735          <ul class="sidebar-topics list-style-none position-relative">
736
737
738
739
740              <li class="sidebar-maptopic ">
741                <a href="/en/github/setting-up-and-managing-your-
      github-profile/customizing-your-profile" class="pl-4 pr-5
      py-2">Customizing your profile</a>
742                <ul class="sidebar-articles my-2">
743
744
745
746
747                  <li class="sidebar-article ">
748                    <a href="/en/github/setting-up-and-managing-your-
```

```html
github-profile/about-your-profile" class="pl-6 pr-5 py-1">About your
profile</a>
                </li>




                <li class="sidebar-article ">
                    <a href="/en/github/setting-up-and-managing-your-
github-profile/about-your-organizations-profile" class="pl-6 pr-5
py-1">About your organization's profile</a>
                </li>




                <li class="sidebar-article ">
                    <a href="/en/github/setting-up-and-managing-your-
github-profile/personalizing-your-profile" class="pl-6 pr-5
py-1">Personalizing your profile</a>
                </li>




                <li class="sidebar-article ">
                    <a href="/en/github/setting-up-and-managing-your-
github-profile/managing-your-profile-readme" class="pl-6 pr-5
py-1">Managing your profile README</a>
                </li>




                <li class="sidebar-article ">
                    <a href="/en/github/setting-up-and-managing-your-
github-profile/pinning-items-to-your-profile" class="pl-6 pr-5 py-1
pb-2">Pinning items to your profile</a>
                </li>


            </ul>
          </li>




        <li class="sidebar-maptopic ">
            <a href="/en/github/setting-up-and-managing-your-
github-profile/managing-contribution-graphs-on-your-profile"
class="pl-4 pr-5 py-2">Managing contribution graphs on your
profile</a>
            <ul class="sidebar-articles my-2">

```

```
796
797
798                    <li class="sidebar-article ">
799                      <a href="/en/github/setting-up-and-managing-your-
     github-profile/viewing-contributions-on-your-profile" class="pl-6
     pr-5 py-1">Viewing contributions on your profile</a>
800                    </li>
801
802
803
804
805
806                    <li class="sidebar-article ">
807                      <a href="/en/github/setting-up-and-managing-your-
     github-profile/showing-an-overview-of-your-activity-on-your-profile"
     class="pl-6 pr-5 py-1">Showing an overview of your activity on your
     profile</a>
808                    </li>
809
810
811
812
813
814                    <li class="sidebar-article ">
815                      <a href="/en/github/setting-up-and-managing-your-
     github-profile/publicizing-or-hiding-your-private-contributions-on-
     your-profile" class="pl-6 pr-5 py-1">Publicizing or hiding your
     private contributions on your profile</a>
816                    </li>
817
818
819
820
821
822                    <li class="sidebar-article ">
823                      <a href="/en/github/setting-up-and-managing-your-
     github-profile/sending-your-github-enterprise-server-contributions-
     to-your-githubcom-profile" class="pl-6 pr-5 py-1">Sending your
     GitHub Enterprise Server contributions to your GitHub.com
     profile</a>
824                    </li>
825
826
827
828
829
830                    <li class="sidebar-article ">
831                      <a href="/en/github/setting-up-and-managing-your-
     github-profile/why-are-my-contributions-not-showing-up-on-my-
     profile" class="pl-6 pr-5 py-1">Why are my contributions not showing
     up on my profile?</a>
832                    </li>
833
834
835
836
837
838                    <li class="sidebar-article ">
839                      <a href="/en/github/setting-up-and-managing-your-
     github-profile/troubleshooting-commits-on-your-timeline" class="pl-6
```

```
       pr-5 py-1 pb-2">Troubleshooting commits on your timeline</a>
840                  </li>
841
842
843                </ul>
844              </li>
845
846
847        </ul>
848        <!-- some categories have no maptopics, only articles -->
849
850
851      </details>
852    </li>
853
854
855
856    <li class="sidebar-category py-1 ">
857
858      <details class="dropdown-withArrow details details-reset" >
859        <summary>
860          <div class="d-flex flex-justify-between">
861            <a href="/en/github/authenticating-to-github" class="pl-4
    pr-2 py-2 f6 text-uppercase d-block flex-auto
    mr-3">Authentication</a>
862
863          </div>
864        </summary>
865
866        <!-- some categories have maptopics with child articles -->
867
868      </details>
869    </li>
870
871
872
873    <li class="sidebar-category py-1 ">
874
875      <details class="dropdown-withArrow details details-reset" >
876        <summary>
877          <div class="d-flex flex-justify-between">
878            <a href="/en/github/managing-subscriptions-and-
    notifications-on-github" class="pl-4 pr-2 py-2 f6 text-uppercase
    d-block flex-auto mr-3">Managing subscriptions and notifications on
    GitHub</a>
879
880          </div>
881        </summary>
882
883        <!-- some categories have maptopics with child articles -->
884
885      </details>
886    </li>
887
888
889
890    <li class="sidebar-category py-1 ">
891
892      <details class="dropdown-withArrow details details-reset" >
893        <summary>
```

```html
894          <div class="d-flex flex-justify-between">
895            <a href="/en/github/setting-up-and-managing-organizations-
     and-teams" class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
     mr-3">Organizations and teams</a>
896
897          </div>
898        </summary>
899
900        <!-- some categories have maptopics with child articles -->
901
902      </details>
903    </li>
904
905
906
907    <li class="sidebar-category py-1 ">
908
909      <details class="dropdown-withArrow details details-reset" >
910        <summary>
911          <div class="d-flex flex-justify-between">
912            <a href="/en/github/setting-up-and-managing-your-
     enterprise" class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-
     auto mr-3">Your enterprise</a>
913
914          </div>
915        </summary>
916
917        <!-- some categories have maptopics with child articles -->
918
919      </details>
920    </li>
921
922
923
924    <li class="sidebar-category py-1 ">
925
926      <details class="dropdown-withArrow details details-reset" >
927        <summary>
928          <div class="d-flex flex-justify-between">
929            <a href="/en/github/setting-up-and-managing-billing-and-
     payments-on-github" class="pl-4 pr-2 py-2 f6 text-uppercase d-block
     flex-auto mr-3">Billing and payments</a>
930
931          </div>
932        </summary>
933
934        <!-- some categories have maptopics with child articles -->
935
936      </details>
937    </li>
938
939
940
941    <li class="sidebar-category py-1 ">
942
943      <details class="dropdown-withArrow details details-reset" >
944        <summary>
945          <div class="d-flex flex-justify-between">
946            <a href="/en/github/writing-on-github" class="pl-4 pr-2
     py-2 f6 text-uppercase d-block flex-auto mr-3">Writing on GitHub</a>
```

```
947
948            </div>
949          </summary>
950
951          <!-- some categories have maptopics with child articles -->
952
953        </details>
954      </li>
955
956
957
958      <li class="sidebar-category py-1 ">
959
960        <details class="dropdown-withArrow details details-reset" >
961          <summary>
962            <div class="d-flex flex-justify-between">
963              <a href="/en/github/creating-cloning-and-archiving-
     repositories" class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-
     auto mr-3">Creating, cloning, and archiving repositories</a>
964
965            </div>
966          </summary>
967
968          <!-- some categories have maptopics with child articles -->
969
970        </details>
971      </li>
972
973
974
975      <li class="sidebar-category py-1 ">
976
977        <details class="dropdown-withArrow details details-reset" >
978          <summary>
979            <div class="d-flex flex-justify-between">
980              <a href="/en/github/using-git" class="pl-4 pr-2 py-2 f6
     text-uppercase d-block flex-auto mr-3">Using Git</a>
981
982            </div>
983          </summary>
984
985          <!-- some categories have maptopics with child articles -->
986
987        </details>
988      </li>
989
990
991
992      <li class="sidebar-category py-1 ">
993
994        <details class="dropdown-withArrow details details-reset" >
995          <summary>
996            <div class="d-flex flex-justify-between">
997              <a href="/en/github/committing-changes-to-your-project"
     class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
     mr-3">Committing changes to your project</a>
998
999            </div>
1000          </summary>
1001
```

```
1002            <!-- some categories have maptopics with child articles -->
1003
1004         </details>
1005      </li>
1006
1007
1008
1009      <li class="sidebar-category py-1 ">
1010
1011         <details class="dropdown-withArrow details details-reset" >
1012           <summary>
1013             <div class="d-flex flex-justify-between">
1014               <a href="/en/github/collaborating-with-issues-and-pull-
      requests" class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
      mr-3">Collaborating with issues and pull requests</a>
1015
1016             </div>
1017           </summary>
1018
1019           <!-- some categories have maptopics with child articles -->
1020
1021         </details>
1022      </li>
1023
1024
1025
1026      <li class="sidebar-category py-1 ">
1027
1028         <details class="dropdown-withArrow details details-reset" >
1029           <summary>
1030             <div class="d-flex flex-justify-between">
1031               <a href="/en/github/managing-your-work-on-github"
      class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
      mr-3">Managing your work on GitHub</a>
1032
1033             </div>
1034           </summary>
1035
1036           <!-- some categories have maptopics with child articles -->
1037
1038         </details>
1039      </li>
1040
1041
1042
1043      <li class="sidebar-category py-1 ">
1044
1045         <details class="dropdown-withArrow details details-reset" >
1046           <summary>
1047             <div class="d-flex flex-justify-between">
1048               <a href="/en/github/developing-online-with-codespaces"
      class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
      mr-3">Codespaces</a>
1049
1050             </div>
1051           </summary>
1052
1053           <!-- some categories have maptopics with child articles -->
1054
1055         </details>
```

```
1056        </li>
1057
1058
1059
1060      <li class="sidebar-category py-1 ">
1061
1062        <details class="dropdown-withArrow details details-reset" >
1063          <summary>
1064            <div class="d-flex flex-justify-between">
1065              <a href="/en/github/building-a-strong-community"
      class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
      mr-3">Building a strong community</a>
1066
1067            </div>
1068          </summary>
1069
1070          <!-- some categories have maptopics with child articles -->
1071
1072        </details>
1073      </li>
1074
1075
1076
1077      <li class="sidebar-category py-1 ">
1078
1079        <details class="dropdown-withArrow details details-reset" >
1080          <summary>
1081            <div class="d-flex flex-justify-between">
1082              <a href="/en/github/searching-for-information-on-github"
      class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
      mr-3">Searching for information on GitHub</a>
1083
1084            </div>
1085          </summary>
1086
1087          <!-- some categories have maptopics with child articles -->
1088
1089        </details>
1090      </li>
1091
1092
1093
1094      <li class="sidebar-category py-1 ">
1095
1096        <details class="dropdown-withArrow details details-reset" >
1097          <summary>
1098            <div class="d-flex flex-justify-between">
1099              <a href="/en/github/importing-your-projects-to-github"
      class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
      mr-3">Importing your projects</a>
1100
1101            </div>
1102          </summary>
1103
1104          <!-- some categories have maptopics with child articles -->
1105
1106        </details>
1107      </li>
1108
1109
```

```html
1110
1111    <li class="sidebar-category py-1 ">
1112
1113      <details class="dropdown-withArrow details details-reset" >
1114        <summary>
1115          <div class="d-flex flex-justify-between">
1116            <a href="/en/github/administering-a-repository"
    class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
    mr-3">Administering a repository</a>
1117
1118          </div>
1119        </summary>
1120
1121        <!-- some categories have maptopics with child articles -->
1122
1123      </details>
1124    </li>
1125
1126
1127
1128    <li class="sidebar-category py-1 ">
1129
1130      <details class="dropdown-withArrow details details-reset" >
1131        <summary>
1132          <div class="d-flex flex-justify-between">
1133            <a href="/en/github/visualizing-repository-data-with-
    graphs" class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
    mr-3">Visualizing repository data with graphs</a>
1134
1135          </div>
1136        </summary>
1137
1138        <!-- some categories have maptopics with child articles -->
1139
1140      </details>
1141    </li>
1142
1143
1144
1145    <li class="sidebar-category py-1 ">
1146
1147      <details class="dropdown-withArrow details details-reset" >
1148        <summary>
1149          <div class="d-flex flex-justify-between">
1150            <a href="/en/github/managing-security-vulnerabilities"
    class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
    mr-3">Managing security vulnerabilities</a>
1151
1152          </div>
1153        </summary>
1154
1155        <!-- some categories have maptopics with child articles -->
1156
1157      </details>
1158    </li>
1159
1160
1161
1162    <li class="sidebar-category py-1 ">
1163
```

```html
1164      <details class="dropdown-withArrow details details-reset" >
1165        <summary>
1166          <div class="d-flex flex-justify-between">
1167            <a href="/en/github/finding-security-vulnerabilities-and-
      errors-in-your-code" class="pl-4 pr-2 py-2 f6 text-uppercase d-block
      flex-auto mr-3">Finding vulnerabilities and coding errors</a>
1168
1169          </div>
1170        </summary>
1171
1172        <!-- some categories have maptopics with child articles -->
1173
1174      </details>
1175    </li>
1176
1177
1178
1179    <li class="sidebar-category py-1 ">
1180
1181      <details class="dropdown-withArrow details details-reset" >
1182        <summary>
1183          <div class="d-flex flex-justify-between">
1184            <a href="/en/github/managing-files-in-a-repository"
      class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
      mr-3">Managing files in a repository</a>
1185
1186          </div>
1187        </summary>
1188
1189        <!-- some categories have maptopics with child articles -->
1190
1191      </details>
1192    </li>
1193
1194
1195
1196    <li class="sidebar-category py-1 ">
1197
1198      <details class="dropdown-withArrow details details-reset" >
1199        <summary>
1200          <div class="d-flex flex-justify-between">
1201            <a href="/en/github/managing-large-files" class="pl-4 pr-2
      py-2 f6 text-uppercase d-block flex-auto mr-3">Managing large
      files</a>
1202
1203          </div>
1204        </summary>
1205
1206        <!-- some categories have maptopics with child articles -->
1207
1208      </details>
1209    </li>
1210
1211
1212
1213    <li class="sidebar-category py-1 ">
1214
1215      <details class="dropdown-withArrow details details-reset" >
1216        <summary>
1217          <div class="d-flex flex-justify-between">
```

```
1218          <a href="/en/github/customizing-your-github-workflow"
     class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
     mr-3">Customizing your GitHub workflow</a>
1219
1220          </div>
1221        </summary>
1222
1223        <!-- some categories have maptopics with child articles -->
1224
1225      </details>
1226    </li>
1227
1228
1229
1230    <li class="sidebar-category py-1 ">
1231
1232      <details class="dropdown-withArrow details details-reset" >
1233        <summary>
1234          <div class="d-flex flex-justify-between">
1235            <a href="/en/github/extending-github" class="pl-4 pr-2
     py-2 f6 text-uppercase d-block flex-auto mr-3">Extending GitHub</a>
1236
1237          </div>
1238        </summary>
1239
1240        <!-- some categories have maptopics with child articles -->
1241
1242      </details>
1243    </li>
1244
1245
1246
1247    <li class="sidebar-category py-1 ">
1248
1249      <details class="dropdown-withArrow details details-reset" >
1250        <summary>
1251          <div class="d-flex flex-justify-between">
1252            <a href="/en/github/working-with-github-pages" class="pl-4
     pr-2 py-2 f6 text-uppercase d-block flex-auto mr-3">GitHub Pages</a>
1253
1254          </div>
1255        </summary>
1256
1257        <!-- some categories have maptopics with child articles -->
1258
1259      </details>
1260    </li>
1261
1262
1263
1264    <li class="sidebar-category py-1 ">
1265
1266      <details class="dropdown-withArrow details details-reset" >
1267        <summary>
1268          <div class="d-flex flex-justify-between">
1269            <a href="/en/github/supporting-the-open-source-community-
     with-github-sponsors" class="pl-4 pr-2 py-2 f6 text-uppercase
     d-block flex-auto mr-3">GitHub Sponsors</a>
1270
1271          </div>
```

```
1272          </summary>
1273
1274          <!-- some categories have maptopics with child articles -->
1275
1276        </details>
1277      </li>
1278
1279
1280
1281      <li class="sidebar-category py-1 ">
1282
1283        <details class="dropdown-withArrow details details-reset" >
1284          <summary>
1285            <div class="d-flex flex-justify-between">
1286              <a href="/en/github/finding-talent-with-github-jobs"
     class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
     mr-3">Finding talent with GitHub Jobs</a>
1287
1288            </div>
1289          </summary>
1290
1291          <!-- some categories have maptopics with child articles -->
1292
1293        </details>
1294      </li>
1295
1296
1297
1298      <li class="sidebar-category py-1 ">
1299
1300        <details class="dropdown-withArrow details details-reset" >
1301          <summary>
1302            <div class="d-flex flex-justify-between">
1303              <a href="/en/github/working-with-github-support"
     class="pl-4 pr-2 py-2 f6 text-uppercase d-block flex-auto
     mr-3">Working with GitHub Support</a>
1304
1305            </div>
1306          </summary>
1307
1308          <!-- some categories have maptopics with child articles -->
1309
1310        </details>
1311      </li>
1312
1313
1314
1315      <li class="sidebar-category py-1 ">
1316
1317        <details class="dropdown-withArrow details details-reset" >
1318          <summary>
1319            <div class="d-flex flex-justify-between">
1320              <a href="/en/github/understanding-how-github-uses-and-
     protects-your-data" class="pl-4 pr-2 py-2 f6 text-uppercase d-block
     flex-auto mr-3">Understanding how GitHub uses and protects your
     data</a>
1321
1322            </div>
1323          </summary>
1324
```

```
1325          <!-- some categories have maptopics with child articles -->
1326
1327        </details>
1328      </li>
1329
1330
1331
1332      <li class="sidebar-category py-1 ">
1333
1334        <details class="dropdown-withArrow details details-reset" >
1335          <summary>
1336            <div class="d-flex flex-justify-between">
1337              <a href="/en/github/site-policy" class="pl-4 pr-2 py-2 f6
     text-uppercase d-block flex-auto mr-3">Site policy</a>
1338
1339            </div>
1340          </summary>
1341
1342          <!-- some categories have maptopics with child articles -->
1343
1344        </details>
1345      </li>
1346
1347  </ul>
1348  </li>
1349
1350      </ul>
1351
1352    </nav>
1353  </div>
1354
1355
1356      <main class="width-full">
1357        <div class="border-bottom border-gray-light no-print">
1358
1359    <!-- START TRANSLATIONS NOTICES -->
1360
1361  <!-- END TRANSLATIONS NOTICES -->
1362
1363  <!-- START RELEASE NOTICES -->
1364  <!-- Custom GitHub AE notice -->
1365
1366  <!-- END RELEASE NOTICES -->
1367
1368  <!-- ONEOFF EARLY ACCESS NOTICE -->
1369
1370  <!-- END ONEOFF EARLY ACCESS NOTICE -->
1371
1372
1373
1374
1375
1376
1377
1378
1379      <header class="container-xl px-3 px-md-6 pt-3 pb-2 position-
     relative d-flex flex-justify-between width-full ">
1380
1381        <div class="d-flex flex-items-center d-lg-none" style="z-index:
     3;" id="github-logo-mobile" role="banner">
```

```
1382          <a href="/en" aria-hidden="true" tabindex="-1">
1383            <svg version="1.1" width="32" height="32" viewBox="0 0 16
      16" class="octicon octicon-mark-github text-black" aria-
      hidden="true"><path fill-rule="evenodd" d="M8 0C3.58 0 0 3.58 0 8c0
      3.54 2.29 6.53 5.47 7.59.4.07.55-.17.55-.38
      0-.19-.01-.82-.01-1.49-2.01.37-2.53-.49-2.69-.94-.09-.23-.48-.94-.82
      -1.13-.28-.15-.68-.52-.01-.53.63-.01 1.08.58 1.23.82.72 1.21 1.87.87
      2.33.66.07-.52.28-.87.51-1.07-1.78-.2-3.64-.89-3.64-3.95
      0-.87.31-1.59.82-2.15-.08-.2-.36-1.02.08-2.12 0 0 .67-.21
      2.2.82.64-.18 1.32-.27 2-.27.68 0 1.36.09 2 .27 1.53-1.04 2.2-.82
      2.2-.82.44 1.1.16 1.92.08 2.12.51.56.82 1.27.82 2.15 0 3.07-1.87
      3.75-3.65 3.95.29.25.54.73.54 1.48 0 1.07-.01 1.93-.01 2.2 0
      .21.15.46.55.38A8.013 8.013 0 0016 8c0-4.42-3.58-8-8-8z"></path>
      </svg>
1384          </a>
1385          <a href="/en" class="h4-mktg text-gray-dark no-underline no-
      wrap pl-2">GitHub Docs</a>
1386        </div>
1387
1388      <div class="width-full">
1389        <div class="d-inline-block width-full d-md-flex" style="z-
      index: 1;">
1390          <button class="nav-mobile-burgerIcon float-right mt-1
      border-0 d-md-none" type="button" aria-label="Toggle navigation">
1391            <!-- Hamburger icon added with css -->
1392          </button>
1393          <div style="z-index: 2;" class="nav-mobile-dropdown width-
      full">
1394            <div class="d-md-flex flex-justify-between flex-items-
      center">
1395              <div class="py-2 py-md-0 d-md-inline-block">
1396                <h4 class="text-mono f5 text-normal text-gray d-md-
      none">Explore by product</h4>
1397                <details class="dropdown-withArrow position-relative
      details details-reset d-md-none close-when-clicked-outside">
1398                  <summary class="nav-desktop-productDropdownButton
      text-blue-mktg py-2" role="button" aria-label="Toggle products
      list">
1399                    <div id="current-product" class="d-flex flex-
      items-center flex-justify-between" style="padding-top: 2px;">
1400                      <!-- Product switcher - GitHub.com, Enterprise
      Server, etc -->
1401                      <!-- 404 and 500 error layouts are not real
      pages so we need to hardcode the name for those -->
1402                      GitHub.com
1403                      <svg class="arrow ml-md-1" width="14px"
      height="8px" viewBox="0 0 14 8" xml:space="preserve" fill="none"
      stroke="#1277eb"><path d="M1,1l6.2,6L13,1"></path></svg>
1404                    </div>
1405                  </summary>
1406                  <!-- Mobile-only product dropdown -->
1407                  <div id="homepages" class="position-md-absolute nav-
      desktop-productDropdown p-md-4 left-md-n4 top-md-6" style="z-index:
      6;">
1408
1409                    <a href="/en/github"
1410                      class="d-block py-2
1411                      text-blue-mktg text-underline active">
1412                      GitHub.com
1413
```

```
1414                    </a>
1415
1416                    <a href="/en/enterprise-server@3.0/admin"
1417                        class="d-block py-2
1418                        link-gray-dark no-underline">
1419                        Enterprise Administrators
1420
1421                    </a>
1422
1423                    <a href="/en/discussions"
1424                        class="d-block py-2
1425                        link-gray-dark no-underline">
1426                        GitHub Discussions
1427
1428                    </a>
1429
1430                    <a href="/en/actions"
1431                        class="d-block py-2
1432                        link-gray-dark no-underline">
1433                        GitHub Actions
1434
1435                    </a>
1436
1437                    <a href="/en/packages"
1438                        class="d-block py-2
1439                        link-gray-dark no-underline">
1440                        GitHub Packages
1441
1442                    </a>
1443
1444                    <a href="/en/developers"
1445                        class="d-block py-2
1446                        link-gray-dark no-underline">
1447                        Developers
1448
1449                    </a>
1450
1451                    <a href="/en/rest"
1452                        class="d-block py-2
1453                        link-gray-dark no-underline">
1454                        REST API
1455
1456                    </a>
1457
1458                    <a href="/en/graphql"
1459                        class="d-block py-2
1460                        link-gray-dark no-underline">
1461                        GraphQL API
1462
1463                    </a>
1464
1465                    <a href="/en/enterprise-server@3.0/insights"
1466                        class="d-block py-2
1467                        link-gray-dark no-underline">
1468                        GitHub Insights
1469
1470                    </a>
1471
1472                    <a href="/en/education"
1473                        class="d-block py-2
```

```
1474                         link-gray-dark no-underline">
1475                         Education
1476
1477                     </a>
1478
1479                     <a href="/en/desktop"
1480                         class="d-block py-2
1481                         link-gray-dark no-underline">
1482                         GitHub Desktop
1483
1484                     </a>
1485
1486                     <a href="https://cli.github.com/manual"
1487                         class="d-block py-2
1488                         link-gray-dark no-underline">
1489                         GitHub CLI
1490
1491                         <span class="ml-1"><svg width="9" height="10"
    viewBox="0 0 9 10" fill="none" xmlns="http://www.w3.org
    /2000/svg"><path stroke="#24292e" d="M.646 8.789l8-8M8.5 9V1M1
    .643h8"/></svg></span>
1492
1493                     </a>
1494
1495                     <a href="https://atom.io/docs"
1496                         class="d-block py-2
1497                         link-gray-dark no-underline">
1498                         Atom
1499
1500                         <span class="ml-1"><svg width="9" height="10"
    viewBox="0 0 9 10" fill="none" xmlns="http://www.w3.org
    /2000/svg"><path stroke="#24292e" d="M.646 8.789l8-8M8.5 9V1M1
    .643h8"/></svg></span>
1501
1502                     </a>
1503
1504                     <a href="https://electronjs.org/docs"
1505                         class="d-block py-2
1506                         link-gray-dark no-underline">
1507                         Electron
1508
1509                         <span class="ml-1"><svg width="9" height="10"
    viewBox="0 0 9 10" fill="none" xmlns="http://www.w3.org
    /2000/svg"><path stroke="#24292e" d="M.646 8.789l8-8M8.5 9V1M1
    .643h8"/></svg></span>
1510
1511                     </a>
1512
1513                 </div>
1514               </details>
1515             </div>
1516
1517           <!-- Versions picker that only appears in the header on
    homepage/versioned homepages -->
1518           <!-- Versions picker that only appears in the header on
    homepage/versioned homepages -->
1519
1520
1521
1522           <div class="d-md-inline-block">
```

```
1523
1524                    <!-- Language picker - 'English', 'Japanese', etc -->
1525
1526                <div class="border-top border-md-top-0 py-2 py-md-0
     d-md-inline-block">
1527                    <details class="dropdown-withArrow position-
     relative details details-reset mr-md-3 close-when-clicked-outside">
1528                        <summary class="py-2 text-gray-dark"
     role="button" aria-label="Toggle languages list">
1529                          <div class="d-flex flex-items-center flex-
     justify-between">
1530
1531                             English
1532
1533                             <svg class="arrow ml-md-1" width="14px"
     height="8px" viewBox="0 0 14 8" xml:space="preserve" fill="none"
     stroke="#1B1F23"><path d="M1,1l6.2,6L13,1"></path></svg>
1534                          </div>
1535                        </summary>
1536                        <div id="languages-selector" class="position-md-
     absolute nav-desktop-langDropdown p-md-4 right-md-n4 top-md-6"
     style="z-index: 6;">
1537
1538
1539                          <a
1540                            href="/en/github/getting-started-with-
     github/access-permissions-on-github"
1541                            class="d-block py-2 no-underline active
     link-gray"
1542                            style="white-space: nowrap"
1543                          >
1544
1545                            English
1546
1547                          </a>
1548
1549
1550
1551                          <a
1552                            href="/cn/github/getting-started-with-
     github/access-permissions-on-github"
1553                            class="d-block py-2 no-underline link-
     gray-dark"
1554                            style="white-space: nowrap"
1555                          >
1556
1557                            简体中文 (Simplified Chinese)
1558
1559                          </a>
1560
1561
1562
1563                          <a
1564                            href="/ja/github/getting-started-with-
     github/access-permissions-on-github"
1565                            class="d-block py-2 no-underline link-
     gray-dark"
1566                            style="white-space: nowrap"
1567                          >
1568
```

```
1569                                    日本語（Japanese）
1570
1571                             </a>
1572
1573
1574
1575                             <a
1576                               href="/es/github/getting-started-with-
      github/access-permissions-on-github"
1577                               class="d-block py-2 no-underline link-
      gray-dark"
1578                               style="white-space: nowrap"
1579                             >
1580
1581                                  Español (Spanish)
1582
1583                             </a>
1584
1585
1586
1587                             <a
1588                               href="/pt/github/getting-started-with-
      github/access-permissions-on-github"
1589                               class="d-block py-2 no-underline link-
      gray-dark"
1590                               style="white-space: nowrap"
1591                             >
1592
1593                                  Português do Brasil (Portuguese)
1594
1595                             </a>
1596
1597
1598
1599
1600                           </div>
1601                         </details>
1602                       </div>
1603
1604
1605                  <!-- GitHub.com homepage and 404 page has a stylized
      search; Enterprise homepages do not -->
1606
1607                  <div class="pt-3 pt-md-0 d-md-inline-block ml-md-3
      border-top border-md-top-0">
1608                    <!--
1609    This form is used in two places:
1610
1611    - On the homepage, front and center
1612    - On all other pages, in the header
1613  -->
1614
1615 <div id="search-input-container" aria-hidden="true">
1616   <!-- will add a search input here -->
1617 </div>
1618
1619                       <div id="search-results-container"></div>
1620                       <div class="search-overlay-desktop"></div>
1621                  </div>
1622
```

```
1623
1624              </div>
1625            </div>
1626          </div>
1627        </div>
1628      </div>
1629    </header>
1630  </div>
1631
1632
1633
1634
1635          <div class="container-xl px-3 px-md-6 my-4 my-lg-4 d-xl-
    flex">
1636    <article class="markdown-body width-full">
1637      <div class="d-lg-flex flex-justify-between">
1638        <div class="d-block d-lg-none">
1639  <details class="dropdown-withArrow d-inline-block details details-
    reset mb-1 position-relative close-when-clicked-outside article-
    versions">
1640      <summary class="d-flex flex-items-center flex-justify-between f4
    h5-mktg btn-outline-mktg btn-mktg p-2">
1641        <!-- GitHub.com, Enterprise Server 2.16, etc -->
1642        <span class="d-md-none d-xl-inline-block mr-1">Article
    version:</span> GitHub.com
1643        <svg class="arrow ml-1" width="14px" height="8px" viewBox="0 0
    14 8" xml:space="preserve" fill="none" stroke="#1277eb"><path
    d="M1,1l6.2,6L13,1"></path></svg>
1644      </summary>
1645
1646      <div class="nav-dropdown position-absolute bg-white rounded-1
    px-4 py-3 top-7 box-shadow-large" style="z-index: 6; width: 210px;">
1647
1648        <a
1649        href="/en/github/getting-started-with-github/access-
    permissions-on-github"
1650        class="d-block py-2 link-blue active"
1651        >
1652        GitHub.com</a>
1653
1654        <a
1655        href="/en/enterprise-server@3.0/github/getting-started-with-
    github/access-permissions-on-github"
1656        class="d-block py-2 link-gray-dark no-underline"
1657        >
1658        Enterprise Server 3.0</a>
1659
1660        <a
1661        href="/en/enterprise-server@2.22/github/getting-started-with-
    github/access-permissions-on-github"
1662        class="d-block py-2 link-gray-dark no-underline"
1663        >
1664        Enterprise Server 2.22</a>
1665
1666        <a
1667        href="/en/enterprise-server@2.21/github/getting-started-with-
    github/access-permissions-on-github"
1668        class="d-block py-2 link-gray-dark no-underline"
1669        >
1670        Enterprise Server 2.21</a>
```

```
1671
1672          <a
1673          href="/en/enterprise-server@2.20/github/getting-started-with-
     github/access-permissions-on-github"
1674          class="d-block py-2 link-gray-dark no-underline"
1675          >
1676          Enterprise Server 2.20</a>
1677
1678          <a
1679          href="/en/github-ae@latest/github/getting-started-with-github
     /access-permissions-on-github"
1680          class="d-block py-2 link-gray-dark no-underline"
1681          >
1682          GitHub AE</a>
1683
1684          <a class="f6 no-underline text-gray-light pt-1"
     href="/enterprise-server-releases">See all Enterprise releases</a>
1685        </div>
1686      </details>
1687
1688  </div>
1689          <div class="d-flex flex-items-center breadcrumbs-wrapper">
1690            <nav class="breadcrumbs f5" aria-label="Breadcrumb">
1691
1692
1693    <a title="product: GitHub.com" href="/en/github" class="d-inline-
     block ">
1694        GitHub.com</a>
1695
1696
1697
1698    <a title="category: Getting started" href="/en/github/getting-
     started-with-github" class="d-inline-block ">
1699        Getting started</a>
1700
1701
1702
1703    <a title="maptopic: Learning about GitHub" href="/en/github
     /getting-started-with-github/learning-about-github" class="d-inline-
     block ">
1704        Learning about GitHub</a>
1705
1706
1707
1708    <a title="article: Access permissions on GitHub" href="/en/github
     /getting-started-with-github/access-permissions-on-github" class="d-
     inline-block text-gray-light">
1709        Access permissions on GitHub</a>
1710
1711
1712  </nav>
1713
1714          </div>
1715          <div class="d-none d-lg-block">
1716    <details class="dropdown-withArrow d-inline-block details details-
     reset mb-1 position-relative close-when-clicked-outside article-
     versions">
1717        <summary class="d-flex flex-items-center flex-justify-between f4
     h5-mktg btn-outline-mktg btn-mktg p-2">
1718        <!-- GitHub.com, Enterprise Server 2.16, etc -->
```

```
1719      <span class="d-md-none d-xl-inline-block mr-1">Article
   version:</span> GitHub.com
1720      <svg class="arrow ml-1" width="14px" height="8px" viewBox="0 0
   14 8" xml:space="preserve" fill="none" stroke="#1277eb"><path
   d="M1,1l6.2,6L13,1"></path></svg>
1721    </summary>
1722
1723    <div class="nav-dropdown position-absolute bg-white rounded-1
   px-4 py-3 top-7 box-shadow-large" style="z-index: 6; width: 210px;">
1724
1725      <a
1726      href="/en/github/getting-started-with-github/access-
   permissions-on-github"
1727      class="d-block py-2 link-blue active"
1728      >
1729      GitHub.com</a>
1730
1731      <a
1732      href="/en/enterprise-server@3.0/github/getting-started-with-
   github/access-permissions-on-github"
1733      class="d-block py-2 link-gray-dark no-underline"
1734      >
1735      Enterprise Server 3.0</a>
1736
1737      <a
1738      href="/en/enterprise-server@2.22/github/getting-started-with-
   github/access-permissions-on-github"
1739      class="d-block py-2 link-gray-dark no-underline"
1740      >
1741      Enterprise Server 2.22</a>
1742
1743      <a
1744      href="/en/enterprise-server@2.21/github/getting-started-with-
   github/access-permissions-on-github"
1745      class="d-block py-2 link-gray-dark no-underline"
1746      >
1747      Enterprise Server 2.21</a>
1748
1749      <a
1750      href="/en/enterprise-server@2.20/github/getting-started-with-
   github/access-permissions-on-github"
1751      class="d-block py-2 link-gray-dark no-underline"
1752      >
1753      Enterprise Server 2.20</a>
1754
1755      <a
1756      href="/en/github-ae@latest/github/getting-started-with-github
   /access-permissions-on-github"
1757      class="d-block py-2 link-gray-dark no-underline"
1758      >
1759      GitHub AE</a>
1760
1761      <a class="f6 no-underline text-gray-light pt-1"
   href="/enterprise-server-releases">See all Enterprise releases</a>
1762    </div>
1763  </details>
1764
1765 </div>
1766    </div>
1767
```

```
1768        <div class="mt-2 article-grid-container">
1769
1770        <div class="article-grid-head">
1771          <div class="d-flex flex-items-baseline flex-justify-between
      mt-3">
1772            <h1 class="border-bottom-0">Access permissions on
      GitHub</h1>
1773            <div class="d-none d-lg-block ml-2">
1774              <button class="btn-link link-gray js-print tooltipped
      tooltipped-n" aria-label="Print this article">
1775                <!-- From https://heroicons.dev/ -->
1776  <svg fill="none" height="18" width="18" stroke-linecap="round"
      stroke-linejoin="round" stroke-width="2" viewBox="0 0 24 24"
      stroke="currentColor"><path d="M17 17h2a2 2 0 002-2v-4a2 2 0
      00-2-2H5a2 2 0 00-2 2v4a2 2 0 002 2h2m2 4h6a2 2 0 002-2v-4a2 2 0
      00-2-2H9a2 2 0 00-2 2v4a2 2 0 002 2zm8-12V5a2 2 0 00-2-2H9a2 2 0
      00-2 2v4h10z"></path></svg>
1777              </button>
1778            </div>
1779          </div>
1780
1781
1782          <div class="lead-mktg"><p>While you can grant read/write
      access to collaborators on a personal repository, members of an
      organization can have more granular access permissions for the
      organization's repositories.</p></div>
1783
1784
1785
1786
1787
1788
1789
1790        </div>
1791        <div class="article-grid-toc border-bottom border-xl-0 pb-4 mb-5
      pb-xl-0 mb-xl-0">
1792          <div class="article-grid-toc-content">
1793
1794            <h2 id="in-this-article" class="f5 mb-2"><a class="link-
      gray-dark" href="#in-this-article">In this article</a></h2>
1795            <ul class="list-style-none pl-0 f5 mb-0">
1796
1797              <li class="ml-0  mb-2 lh-condensed"><a href="#personal-
      user-accounts">Personal user accounts</a></li>
1798
1799              <li class="ml-0  mb-2 lh-condensed"><a
      href="#organization-accounts">Organization accounts</a></li>
1800
1801              <li class="ml-0  mb-2 lh-condensed"><a href="#enterprise-
      accounts">Enterprise accounts</a></li>
1802
1803              <li class="ml-0  mb-2 lh-condensed"><a href="#further-
      reading">Further reading</a></li>
1804
1805            </ul>
1806
1807          </div>
1808        </div>
1809        <div id="article-contents" class="article-grid-body">
1810
```

```html
1811        <h3 id="personal-user-accounts"><a href="#personal-user-
     accounts">Personal user accounts</a></h3>
1812 <p>A repository owned by a user account has two permission levels:
     the <em>repository owner</em> and <em>collaborators</em>. For more
     information, see "<a href="/en/articles/permission-levels-for-
     a-user-account-repository">Permission levels for a user account
     repository</a>."</p>
1813 <h3 id="organization-accounts"><a href="#organization-
     accounts">Organization accounts</a></h3>
1814 <p>Organization members can have <em>owner</em>, <em>billing
     manager</em>, or <em>member</em> roles. Owners have complete
     administrative access to your organization, while billing managers
     can manage billing settings. Member is the default role for everyone
     else. You can manage access permissions for multiple members at a
     time with teams. For more information, see:</p>
1815 <ul>
1816 <li>"<a href="/en/articles/permission-levels-for-an-
     organization">Permission levels for an organization</a>"</li>
1817 <li>"<a href="/en/articles/project-board-permissions-for-an-
     organization">Project board permissions for an organization</a>"
     </li>
1818 <li>"<a href="/en/articles/repository-permission-levels-for-an-
     organization">Repository permission levels for an organization</a>"
     </li>
1819 <li>"<a href="/en/articles/about-teams">About teams</a>"</li>
1820 </ul>
1821 <h3 id="enterprise-accounts"><a href="#enterprise-
     accounts">Enterprise accounts</a></h3>
1822 <p><em>Enterprise owners</em> have ultimate power over the
     enterprise account and can take every action in the enterprise
     account. <em>Billing managers</em> can manage your enterprise
     account's billing settings. Members and outside collaborators of
     organizations owned by your enterprise account are automatically
     members of the enterprise account, although they have no access to
     the enterprise account itself or its settings. For more information,
     see "<a href="/en/github/setting-up-and-managing-your-enterprise
     /roles-in-an-enterprise">Roles in an enterprise</a>."</p>
1823 <p>Enterprise accounts are available with GitHub Enterprise Cloud
     and GitHub Enterprise Server. For more information, see "<a
     href="/en/articles/about-enterprise-accounts">About enterprise
     accounts</a>."</p>
1824 <h3 id="further-reading"><a href="#further-reading">Further
     reading</a></h3>
1825 <ul>
1826 <li>"<a href="/en/articles/types-of-github-accounts">Types of GitHub
     accounts</a>"</li>
1827 </ul>
1828       </div>
1829       </div>
1830
1831       <div class="d-block mt-4 markdown-body">
1832
1833
1834 <form class="js-helpfulness mt-4 f5">
1835   <h2
1836     data-help-start
1837     data-help-yes
1838     data-help-no
1839     class="mb-1 f5"
1840   >
```

```
1841        Did this doc help you?
1842      </h2>
1843      <p class="f6">
1844        <a href="/github/site-policy/github-privacy-statement">Privacy
     policy</a>
1845      </p>
1846      <p
1847        class="radio-group"
1848        data-help-start
1849        data-help-yes
1850        data-help-no
1851      >
1852        <input
1853          hidden
1854          id="helpfulness-yes"
1855          type="radio"
1856          name="helpfulness-vote"
1857          value="Yes"
1858          aria-label="Yes"
1859        />
1860        <label class="btn x-radio-label" for="helpfulness-yes">
1861          <svg version="1.1" width="24" height="24" viewBox="0 0 24 24"
     class="octicon octicon-thumbsup" aria-hidden="true"><path fill-
     rule="evenodd" d="M12.596 2.043c-1.301-.092-2.303.986-2.303
     2.206v1.053c0 2.666-1.813 3.785-2.774 4.2a1.866 1.866 0
     01-.523.131A1.75 1.75 0 005.25 8h-1.5A1.75 1.75 0 002 9.75v10.5c0
     .967.784 1.75 1.75 1.75h1.5a1.75 1.75 0 001.742-1.58c.838.06
     1.667.296 2.69.586l.602.17c1.464.406 3.213.824 5.544.824 2.188 0
     3.693-.204
     4.583-1.372.422-.554.65-1.255.816-2.05.148-.708.262-1.57.396-2.58l.0
     51-.39c.319-2.386.328-4.18-.223-5.394-.293-.644-.743-1.125-1.355-1.4
     31-.59-.296-1.284-.404-2.036-.404h-
     2.05l.056-.429c.025-.18.05-.372.076-.572.06-.483.117-1.006.117-1.438
     0-1.245-.222-2.253-.92-2.941-.684-.675-1.668-.88-2.743-.956zM7
     18.918c1.059.064 2.079.355 3.118.652l.568.16c1.406.39 3.006.77
     5.142.77 2.277 0 3.004-.274
     3.39-.781.216-.283.388-.718.54-1.448.136-.65.242-1.45.379-2.477l.05-
     .384c.32-2.4.253-3.795-.102-4.575-.16-.352-.375-.568-.66-.711-.305-.
     153-.74-.245-1.365-.245h-2.37c-.681
     0-1.293-.57-1.211-1.328.026-.243.065-.537.105-.834l.07-.527c.06-.482
     .105-.921.105-1.25
     0-1.125-.213-1.617-.473-1.873-.275-.27-.774-.455-1.795-.528-.351-.02
     4-.698.274-.698.71v1.053c0 3.55-2.488 5.063-3.68
     5.577-.372.16-.754.232-1.113.26v7.78zM3.75 20.5a.25.25 0
     01-.25-.25V9.75a.25.25 0 01.25-.25h1.5a.25.25 0 01.25.25v10.5a.25.25
     0 01-.25.25h-1.5z"></path></svg>
1862        </label>
1863        <input
1864          hidden
1865          id="helpfulness-no"
1866          type="radio"
1867          name="helpfulness-vote"
1868          value="No"
1869          aria-label="No"
1870        />
1871        <label class="btn x-radio-label" for="helpfulness-no">
1872          <svg version="1.1" width="24" height="24" viewBox="0 0 24 24"
     class="octicon octicon-thumbsdown" aria-hidden="true"><path fill-
     rule="evenodd" d="M12.596 21.957c-1.301.092-2.303-.986-2.303-2.206v-
     1.053c0-2.666-1.813-3.785-2.774-4.2a1.864 1.864 0 00-.523-.13A1.75
```

```
     1.75 0 015.25 16h-1.5A1.75 1.75 0 012 14.25V3.75C2 2.784 2.784 2
     3.75 2h1.5a1.75 1.75 0 011.742 1.58c.838-.06 1.667-.296
     2.69-.586l.602-.17C11.748 2.419 13.497 2 15.828 2c2.188 0 3.693.204
     4.583 1.372.422.554.65 1.255.816 2.05.148.708.262 1.57.396
     2.58l.051.39c.319 2.386.328 4.18-.223 5.394-.293.644-.743
     1.125-1.355 1.431-.59.296-1.284.404-2.036.404h-
     2.05l.056.429c.025.18.05.372.076.572.06.483.117 1.006.117 1.438 0
     1.245-.222 2.253-.92 2.942-.684.674-1.668.879-2.743.955zM7
     5.082c1.059-.064 2.079-.355 3.118-.651.188-.054.377-.108.568-.16
     1.406-.392 3.006-.771 5.142-.771 2.277 0 3.004.274
     3.39.781.216.283.388.718.54 1.448.136.65.242 1.45.379
     2.477l.05.385c.32 2.398.253 3.794-.102
     4.574-.16.352-.375.569-.66.711-.305.153-.74.245-1.365.245h-
     2.37c-.681 0-1.293.57-1.211
     1.328.026.244.065.537.105.834l.07.527c.06.482.105.922.105 1.25 0
     1.125-.213 1.617-.473
     1.873-.275.27-.774.456-1.795.528-.351.024-.698-.274-.698-.71v-
     1.053c0-3.55-2.488-5.063-3.68-5.577A3.485 3.485 0 007
     12.861V5.08zM3.75 3.5a.25.25 0 00-.25.25v10.5c0
     .138.112.25.25.25h1.5a.25.25 0 00.25-.25V3.75a.25.25 0 00-.25-.25h-
     1.5z"></path></svg>
1873      </label>
1874    </p>
1875    <p class="text-gray f6" hidden data-help-yes>
1876       Want to learn about new docs features and updates? Sign up for
     updates!
1877    </p>
1878    <p class="text-gray f6" hidden data-help-no>
1879       We're continually improving our docs. We'd love to hear how we
     can do better.
1880    </p>
1881    <input
1882      type="text"
1883      class="d-none"
1884      name="helpfulness-token"
1885      aria-hidden="true"
1886    />
1887    <p hidden data-help-no>
1888      <label
1889        class="d-block mb-1 f6"
1890        for="helpfulness-category"
1891      >
1892        What problem did you have?
1893        <span class="text-normal text-gray-light float-right ml-1">
1894          Required
1895        </span>
1896      </label>
1897      <select
1898        class="form-control select-sm width-full"
1899        name="helpfulness-category"
1900        id="helpfulness-category"
1901      >
1902        <option value="">
1903          Choose an option
1904        </option>
1905        <option value="Unclear">
1906          Information was unclear
1907        </option>
1908        <option value="Confusing">
1909          The content was confusing
```

```
1910        </option>
1911        <option value="Unhelpful">
1912          The article didn't answer my question
1913        </option>
1914        <option value="Other">
1915          Other
1916        </option>
1917      </select>
1918    </p>
1919    <p hidden data-help-no>
1920      <label
1921        class="d-block mb-1 f6"
1922        for="helpfulness-comment"
1923      >
1924        <span>Let us know what we can do better</span>
1925        <span class="text-normal text-gray-light float-right ml-1">
1926          Optional
1927        </span>
1928      </label>
1929      <textarea
1930        class="form-control input-sm width-full"
1931        name="helpfulness-comment"
1932        id="helpfulness-comment"
1933      ></textarea>
1934    </p>
1935    <p>
1936      <label
1937        class="d-block mb-1 f6"
1938        for="helpfulness-email"
1939        hidden
1940        data-help-no
1941      >
1942        Can we contact you if we have more questions?
1943        <span class="text-normal text-gray-light float-right ml-1">
1944          Optional
1945        </span>
1946      </label>
1947      <input
1948        type="email"
1949        class="form-control input-sm width-full"
1950        name="helpfulness-email"
1951        id="helpfulness-email"
1952        placeholder="email@example.com"
1953        hidden
1954        data-help-yes
1955        data-help-no
1956      />
1957    </p>
1958    <p
1959      class="text-right"
1960      hidden
1961      data-help-yes
1962      data-help-no
1963    >
1964      <button type="submit" class="btn btn-blue btn-sm">
1965        Send
1966      </button>
1967    </p>
1968    <p class="text-gray f6" hidden data-help-end>
1969      Thank you! Your feedback has been submitted.
```

```
1970      </p>
1971    </form>
1972
1973
1974
1975    <div class="mt-3 f5 contribution">
1976      <h2 class="f5">Help us make these docs great!</h2>
1977      <p class="text-gray f6">All GitHub docs are open source. See
        something that's wrong or unclear? Submit a pull request.</p>
1978      <a class="btn btn-outline" href=https://github.com/github
        /docs/edit/main/content/github/getting-started-with-github/access-
        permissions-on-github.md>
1979        <svg version="1.1" width="16" height="16" viewBox="0 0 16 16"
        class="octicon octicon-git-pull-request" aria-hidden="true"><path
        fill-rule="evenodd" d="M7.177 3.073L9.573.677A.25.25 0 0110
        .854v4.792a.25.25 0 01-.427.177L7.177 3.427a.25.25 0 010-.354zM3.75
        2.5a.75.75 0 100 1.5.75.75 0 000-1.5zm-2.25.75a2.25 2.25 0 113
        2.122v5.256a2.251 2.251 0 11-1.5 0V5.372A2.25 2.25 0 011.5 3.25zM11
        2.5h-1V4h1a1 1 0 011 1v5.628a2.251 2.251 0 101.5 0V5A2.5 2.5 0 0011
        2.5zm1 10.25a.75.75 0 111.5 0 .75.75 0 01-1.5 0zM3.75 12a.75.75 0
        100 1.5.75.75 0 000-1.5z"></path></svg>
1980        Make a contribution
1981      </a>
1982      <p class="text-gray f6 mt-2">Or, <a href="https://github.com
        /github/docs/blob/main/CONTRIBUTING.md" target="_blank">learn how to
        contribute.</a></p>
1983    </div>
1984
1985
1986        </div>
1987      </article>
1988    </div>
1989
1990
1991        <!-- Contact support banner -->
1992    <section class="mt-lg-9 py-7 no-print js-support-banner"
        style="background-color: #fafbfc;">
1993      <div class="container-xl px-3 px-md-6 ">
1994        <h3 class="mb-2 f4">
1995          Still need help?
1996        </h3>
1997
1998        <a id="ask-community" href="https://github.community" class="btn
        btn-outline mr-4 mt-2">
1999          <svg version="1.1" width="16" height="16" viewBox="0 0 16 16"
        class="octicon octicon-people" aria-hidden="true"><path fill-
        rule="evenodd" d="M5.5 3.5a2 2 0 100 4 2 2 0 000-4zM2 5.5a3.5 3.5 0
        115.898 2.549 5.507 5.507 0 013.034 4.084.75.75 0 11-1.482.235 4.001
        4.001 0 00-7.9 0 .75.75 0 01-1.482-.236A5.507 5.507 0 013.102 8.05
        3.49 3.49 0 012 5.5zM11 4a.75.75 0 100 1.5 1.5 1.5 0 01.666
        2.844.75.75 0 00-.416.672v.352a.75.75 0 00.574.73c1.2.289 2.162 1.2
        2.522 2.372a.75.75 0 101.434-.44 5.01 5.01 0 00-2.56-3.012A3 3 0
        0011 4z"></path></svg>
2000          Ask the GitHub community
2001        </a>
2002        <a id="contact-us" href="https://support.github.com/contact"
        class="btn btn-outline mt-2">
2003          <svg version="1.1" width="16" height="16" viewBox="0 0 16 16"
        class="octicon octicon-comment-discussion" aria-hidden="true"><path
        fill-rule="evenodd" d="M1.5 2.75a.25.25 0 01.25-.25h8.5a.25.25 0
```

```
01.25.25v5.5a.25.25 0 01-.25.25h-3.5a.75.75 0 00-.53.22L3.5
11.44V9.25a.75.75 0 00-.75-.75h-1a.25.25 0 01-.25-.25v-5.5zM1.75
1A1.75 1.75 0 000 2.75v5.5C0 9.216.784 10 1.75 10H2v1.543a1.457
1.457 0 002.487 1.03L7.061 10h3.189A1.75 1.75 0 0012 8.25v-5.5A1.75
1.75 0 0010.25 1h-8.5zM14.5 4.75a.25.25 0 00-.25-.25h-.5a.75.75 0
110-1.5h.5c.966 0 1.75.784 1.75 1.75v5.5A1.75 1.75 0 0114.25
12H14v1.543a1.457 1.457 0 01-2.487 1.03L9.22 12.28a.75.75 0
111.06-1.06l2.22 2.22v-2.19a.75.75 0 01.75-.75h1a.25.25 0
00.25-.25v-5.5z"></path></svg>
```
2004   Contact support
2005
2006 </div>
2007 </section>
2008
2009   <footer class="py-6 text-small">
2010   <div class="container-xl d-flex px-3 px-md-6">
2011   <ul class="d-flex list-style-none flex-wrap flex-justify-center
     flex-xl-justify-start">
2012   <li class="d-flex mr-xl-3 text-gray">
2013   <svg version="1.1" width="20" height="20" viewBox="0 0 16
     16" class="octicon octicon-mark-github mr-2 mr-xl-3" aria-
     hidden="true"><path fill-rule="evenodd" d="M8 0C3.58 0 0 3.58 0 8c0
     3.54 2.29 6.53 5.47 7.59.4.07.55-.17.55-.38
     0-.19-.01-.82-.01-1.49-2.01.37-2.53-.49-2.69-.94-.09-.23-.48-.94-.82
     -1.13-.28-.15-.68-.52-.01-.53.63-.01 1.08.58 1.23.82.72 1.21 1.87.87
     2.33.66.07-.52.28-.87.51-1.07-1.78-.2-3.64-.89-3.64-3.95
     0-.87.31-1.59.82-2.15-.08-.2-.36-1.02.08-2.12 0 0 .67-.21
     2.2.82.64-.18 1.32-.27 2-.27.68 0 1.36.09 2 .27 1.53-1.04 2.2-.82
     2.2-.82.44 1.1.16 1.92.08 2.12.51.56.82 1.27.82 2.15 0 3.07-1.87
     3.75-3.65 3.95.29.25.54.73.54 1.48 0 1.07-.01 1.93-.01 2.2 0
     .21.15.46.55.38A8.013 8.013 0 0016 8c0-4.42-3.58-8-8-8z"></path>
     </svg>
2014   © 2021 GitHub, Inc.
2015
2016   <li class="ml-3"><a href="/github/site-policy/github-terms-of-
     service">Terms
2017   <li class="ml-3"><a href="/github/site-policy/github-privacy-
     statement">Privacy
2018   <li class="ml-3"><a href="https://github.com
     /security">Security
2019   <li class="ml-3"><a href="https://www.githubstatus.com
     /">Status
2020   <li class="ml-3">Help
2021   <li class="ml-3"><a href="https://support.github.com
     /contact">Contact GitHub
2022   <li class="ml-3"><a href="https://github.com
     /pricing">Pricing
2023   <li class="ml-3">Developer API
2024   <li class="ml-3"><a href="https://services.github.com
     /">Training
2025   <li class="ml-3">About

2026
2027   </div>
2028 </footer>
2029
2030 <script id="search-options" type="application/json">{"languages":
     ["en","cn","ja","es","pt","de"],"versions":{"free-pro-
     team@latest":"dotcom","enterprise-server@3.0":"3.0","enterprise-
     server@2.22":"2.22","enterprise-server@2.21":"2.21","enterprise-
```

```
     server@2.20":"2.20","github-
     ae@latest":"ghae"},"nonEnterpriseDefaultVersion":"free-pro-
     team@latest"}</script>
2031 <script src="/dist/index.js?hash=55bceac87dc94e99db447bc2f1a068bf">
     </script>
2032
2033
2034     </main>
2035   </body>
2036 </html>
2037
```