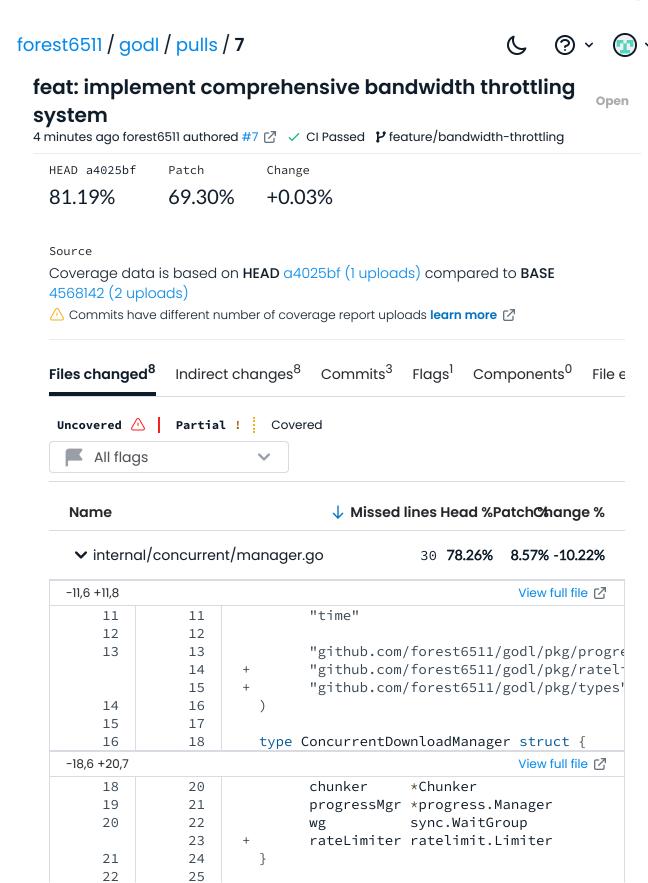
(i) You must now upload using a token.

Upload with either **the global upload token**or the repo upload token. Admins can manage the global upload token settings.

**Dismiss** 



```
// NewConcurrentDownloadManager creates a ne
     23
                26
-27,6 +30,20
                                                            View full file [2]
                                }
     27
                30
                          }
     28
                31
     29
                32
                33
                        + // NewConcurrentDownloadManagerWithOptions
                         func NewConcurrentDownloadManagerWithOptions
                34
           35
                                manager := &ConcurrentDownloadManager
           ⚠
                                         progressMgr: progress.NewManag
                36
           37
                        +
                                }
                38
                39
                                // Create rate limiter if MaxRate is s
                                if options != nil && options.MaxRate >
                40
                                         manager.rateLimiter = ratelim
                41
                42
                                 }
                43
           ⚠
                                return manager
                44
                          }
                45
                46
     30
                47
                          // Download performs concurrent download of
                          func (m *ConcurrentDownloadManager) Download
     31
                48
                                 // Get file size first
     32
                49
-72,6 +89,7
                                                            View full file [2]
     72
                                         m.workers[i].ChunkInfo = chunk
                89
                                         m.workers[i].Progress = progre
     73
                90
                                         m.workers[i].Error = errorChar
     74
                91
                92
                                         m.workers[i].RateLimiter = m.r
                                }
     75
                93
     76
                94
     77
                                // Start workers
                95
-165,6 +183,13
                                                            View full file [2]
                                for {
    165
               183
    166
               184
                                         n, err := resp.Body.Read(buff€
    167
               185
                                         if n > 0 {
                                                  // Apply rate limiting
               186
                        +
           !
               187
                                                  if w.RateLimiter != n-
           ⚠
                                                           if rateLimiter
               188
               189
                                                                    returr
               190
                                                           }
                                                  }
               191
               192
!
    168
           1
               193
                                                  if _, writeErr := file
    169
               194
⚠
           ⚠
                                                           return fmt.Err
△
    170
               195
                                                  }
-344,6 +369,31
                                                            View full file 🖸
    344
               369
                                defer func() { _ = file.Close() }()
    345
               370
    346
               371
                                 _, err = io.Copy(file, resp.Body)
    347
                                // Copy with rate limiting if enabled
               372
           !
               373
                                if m.rateLimiter != nil {
               374
                                         buffer := make([]byte, 32*1024
```

```
Codecov
                                    TOT {
           315
           376
                                             n, readErr := resp.Boo
                                             if n > 0 {
           377
           378
                                                      // Apply rate
           379
                                                      if rateLimiter
           380
                                                               returr
           381
                                                      }
           382
           383
                                                      if _, writeErr
           384
                                                               returr
           385
                                                      }
           386
                                             }
           387
                                             if readErr == io.EOF
           388
           389
                                                      break
           390
           391
                                             if readErr != nil {
           392
                                                      return fmt.Err
           393
                                             }
           394
                                    return nil
           395
           396
                            _, err = io.Copy(file, resp.Body)
           398
349
           399
                            return err
350
           400
```

# **y** pkg/ratelimit/parser.go

9 84.00% 84.00%

-0,0 +1,113 View full file ☑

```
// Sanity check for very small rates
68
69
               if result > 0 && result < 1 {</pre>
70
                       return 0, fmt.Errorf("rate tod
71
               }
72
73
               return result, nil
74
      + }
75
      + // FormatRate formats a rate in bytes per se
76
      + func FormatRate(bytesPerSec int64) string {
77
78
               if bytesPerSec == 0 {
                       return "unlimited"
79
80
               }
```

```
81
     82
                    const (
     83
                             KB = 1024
     84
                             MB = KB \times 1024
     85
                             GB = MB \times 1024
     86
            +
                    )
     87
            +
     88
                    switch {
     89
                    case bytesPerSec >= GB:
                             if bytesPerSec%GB == 0 {
     90
                                     return fmt.Sprintf("%
     91
     92
                             return fmt.Sprintf("%.1fGB/s",
⚠
     93
     94
                    case bytesPerSec >= MB:
                             if bytesPerSec%MB == 0 {
     95
            +
                                     return fmt.Sprintf("%c
     96
            +
     97
                             return fmt.Sprintf("%.1fMB/s";
     98
     99
                    case bytesPerSec >= KB:
                             if bytesPerSec%KB == 0 {
    100
                                     return fmt.Sprintf("%
    101
    102
                             return fmt.Sprintf("%.1fKB/s",
    103
    104
                    default:
                             return fmt.Sprintf("%d bytes/s
    105
                    }
    106
    107
            + }
    108
            + // ValidateRate checks if a rate string is \
    109
    110
            + func ValidateRate(rateStr string) error {
                    _, err := ParseRate(rateStr)
    111
    112
            +
                    return err
    113
            + }
```

### ✓ internal/core/downloader.go

#### 7 **81.06% 33.33% -0.79%**

View full file ☑				
"github.com/forest6511/godl/internal/s				
"github.com/forest6511/godl/pkg/errors				
"github.com/forest6511/godl/pkg/progre				
<pre>+ "github.com/forest6511/godl/pkg/ratel-</pre>				
"github.com/forest6511/godl/pkg/types"				
-1253,6 +1254,14 View full file ☐				
) (int64, error) {				
<pre>buffer := make([]byte, options.ChunkS-</pre>				
+ // Create rate limiter if max rate is				
<pre>+ var rateLimiter ratelimit.Limiter</pre>				
<pre>+ if options.MaxRate &gt; 0 {</pre>				
+ rateLimiter = ratelimit.NewBar				
+ } else {				
+ rateLimiter = ratelimit.NewNu				

```
1263
                                }
              1264
  1256
              1265
                                var totalBytes int64
  1257
              1266
              1267
                                lastProgressUpdate := time.Now()
  1258
-1272,6 +1281,15
                                                            View full file 🖸
  1272
              1281
                                         // Read chunk
              1282
                                         n, err := src.Read(buffer)
  1273
  1274
              1283
                                         if n > 0 {
              1284
                                                  // Apply rate limiting
             1285
                                                  if rateLimiterErr := r
             1286
                                                           return totalBy
             1287
                                                                    rateL-
             1288
                                                                    errors
             1289
                                                                    "Down1
             1290
                                                           )
                                                  }
             1291
                       +
              1292
                                                  written, writeErr := (
  1276
              1294
                                                  if writeErr != nil {
  1277
              1295
  1278
              1296
                                                           return totalBy
```

#### ✓ cmd/godl/main.go

#### 6 67.47% 66.67% -0.05%

```
-20,6 +20,7
                                                             View full file [2]
                                 "github.com/forest6511/godl/internal/s
     20
                 20
                                 "github.com/forest6511/godl/pkg/cli"
     21
                 21
     22
                 22
                                 "github.com/forest6511/godl/pkg/plugir
                 23
                                 "github.com/forest6511/godl/pkg/ratel-
                                 "github.com/forest6511/godl/pkg/types'
     23
                 24
     24
                 25
                                 "github.com/forest6511/godl/pkg/ui"
     25
                 26
                          )
-60,6 +61,7
                                                             View full file [2]
     60
                                 proxy
                                                     string
                 61
     61
                 62
                                 output_format
                                                     string
     62
                 63
                                 continuePartial
                                                     bool
                                                     string // Maximum do
                 64
                                 maxRate
                                 // Plugin-related configurations
     63
                 65
     64
                 66
                                 plugins
                                               []string
     65
                 67
                                 storageURL
                                               string
-704,6 +706,16
                                                             View full file 🖸
⚠
    704
                706
                                          }
    705
                                 }
                707
    706
                708
                709
                                 // Configure max rate if specified
           !
                                 if cfg.maxRate != "" {
                710
           ⚠
               711
                                          if maxRateBytes, err := ratel
                                                   options.MaxRate = maxF
               712
                        +
           713
                                          } else {
                        +
           714
                                                   // Note: Error handlir
           715
                                                   fmt.Fprintf(os.Stderr
                        +
                                          }
               716
                        +
                                 }
                717
```

```
718
    707
                                 return options
                719
    708
                720
                          }
    709
                721
-869,6 +881,12
                                                             View full file 🖸
    869
                881
                                          "Add custom header (can be use
    870
                882
    871
                883
                                 flag.Var(&headerFlags, "H", "Add custo
                                 flag.StringVar(
                884
                                          &cfg.maxRate,
                885
                        +
                                          "max-rate",
                886
                887
                888
                                          "Maximum download rate (e.g.,
                889
                                 )
    872
                890
    873
                                 // Initialize headers map and plugins
                891
                892
                                 cfg.headers = make(map[string]string)
    874
-891,6 +909,13
                                                            View full file [2]
                                          cfg.plugins = append(cfg.plug-
    891
⚠
                909
⚠
    892
           \triangle
                910
                                 }
    893
                911
                                 // Validate max-rate if specified
                912
                                 if cfg.maxRate != "" {
                913
                                          if err := ratelimit.ValidateRa
                914
                        +
                                                   return nil, "", fmt.Er
                915
                                          }
                916
                917
                                 }
                918
    894
                919
                                 // Handle -c as an alias for --concurr
    895
                920
                                 cWasSet := false
    896
                921
-1413,6 +1438,8
                                                             View full file [2]
   1413
                                                       Number of concurre
               1438
                                 --concurrent N
                                 --chunk-size SIZE
                                                       Chunk size for cor
   1414
               1439
                                                       Examples: 1MB, 512
   1415
               1440
                                                       Maximum download r
               1441
                                 --max-rate RATE
                                                       Examples: 1MB/s, 5
               1442
                                                       Force single-threa
   1416
               1443
                                 --no-concurrent
                                                       Disable colored of
   1417
               1444
                                 --no-color
                                 --interactive
                                                       Enable interactive
   1418
               1445
-1440,6 +1467,7
                                                             View full file [2]
                            %s https://example.com/file.zip
   1440
               1467
                            %s --concurrent 8 https://example.com/larg
   1441
               1468
   1442
               1469
                            %s --chunk-size 2MB https://example.com/f
                            %s --max-rate 1MB/s https://example.com/la
               1470
                            %s --plugin oauth2 https://api.example.com
   1443
               1471
   1444
                            %s --storage s3://mybucket/downloads/ http
               1472
   1445
               1473
-1449,5 +1477,5
                                                            View full file 🖸
                            %s plugin enable oauth2
   1449
               1477
                            %s plugin config oauth2 --set client_id=x>
   1450
               1478
   1451
               1479
```

```
1452 - `, appName, appName, appName, version, appNa + `, appName, appName, appName, appName, version, appName, 1453 1481 }
```

# ✓ internal/concurrent/worker.go

### 3 **84.62% 55.56% -3.00%**

-6,6 +6,8		View full file 🗹
6	6	"io"
7	7	"net/http"
8	8	"time"
	9	+
	10	<pre>+ "github.com/forest6511/godl/pkg/ratel-</pre>
9	11	)
10	12	,
11	13	<pre>type Progress struct {</pre>
-17,12 +19,13		View full file [2]
17	19	}
18	20	J
19	21	type Worker struct (
	21	<pre>type Worker struct { -    ID    int</pre>
20		
21		- Client *http.Client
22		- ChunkInfo *ChunkInfo
23		- URL string
24		<ul><li>Progress chan&lt;- Progress</li></ul>
25		- Error chan<- error
	22	+ ID int
	23	+ Client *http.Client
	24	<pre>+ ChunkInfo *ChunkInfo</pre>
	25	+ URL string
	26	+ Progress chan<- Progress
	27	+ Error chan<- error
	28	+ RateLimiter ratelimit.Limiter // Share
26	29	}
27	30	
28	31	// NewWorker creates a new download worker.
-49,7 +52,7		View full file 🗹
49	52	}
50	53	
51	54	// Try download with retry logic
52		<pre>- err := w.downloadChunk()</pre>
32	55	+ err := w.downloadChunk(ctx)
53	56	if err != nil {
		if w.Error != nil {
54	57 50	w.Error <- fmt.Errorf
55	58	
-76,7 +79,7	7.0	View full file 🗹
76	79	}
77	80	// 1 1 101 1 6 11 1 7 1 1
78	81	// downloadChunk performs the actual chunk o
79		<pre>- func (w *Worker) downloadChunk() error {</pre>
	82	+ func (w *Worker) downloadChunk(ctx context.
80	83	maxRetries := 3
81	84	baseDelav := 100 * time.Millisecond

	0.5	0.0	
82 85	85		
+96,7 View full file 2		-93,7 +96,7	
93 96 }	96		
94 97	97	94	
95 // Attempt download	98	95	
96 - err := w.performDownload()		96	
99 + err := w.performDownload(ct	99		
97	100	97	
98 101 return nil	101	98	
99 102 }	102	99	
+117,7 View full file [2		-114,7 +117,7	
117 }	117	114	
115 118	118	115	
116 // performDownload performs a single down	119	116	
- func (w *Worker) performDownload() error		117	
120 + func (w *Worker) performDownload(ctx cont	120		
121 // Create range request	121	118	
req, err := http.NewRequest("GET",	122	119	
l20	! 123	! 120	
S +148,13 View full file [2	}	-145,6 +148,13	
148 // Read from response body	148	145	
n, err := resp.Body.Read(bu	149	146	
if n > 0 {	150	147	
151 + // Apply rate limit	151		
! 152 + if w.RateLimiter !=	! 152		
<u>↑</u> 154 + ret	<u>154</u>	(	
<u>↑</u> 155 + }	<u>↑</u> 155	(	
156 + }			
157 +	157		
		149	
160	160	150	
161 // Send progress up	161	151	
godl.go 1 <b>60.14% 66.67% +3.54%</b>	)	> godl.go	
okg/ratelimit/limiter.go 0 100.00% 100.00% -	> pkg/ratelimit/limiter.go		
okg/types/types.go 0 <b>100.00%</b> - <b>0.00%</b>	pes/types.go	> pkg/typ	

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