

DocsSyncQueue

September 4, 2026

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Kind: Service

Source: `atloria-monorepo/apps/api/src/git-sync/docs-sync-queue.service.ts`

The 'docs-sync' queue registration (B1 outbound mirror). Present in EVERY api pod for

ENQUEUE (settings save / sync-now / the cron sweep just add a job); processing lives in

GitSyncMirrorWorker, gated by DOCS_REPO_WORKER — the mirror reads the substrate repo

(read-only `git show` / `ls-tree` at a pinned sha) which only the worker deployment mounts.

Mirrors the docs-repo / docs-cr enqueue/worker split exactly.

Jobs are DEDUPED per project via a deterministic jobId (`mirror-<projectId>` — BullMQ

rejects ':' in custom ids): a burst of substrate commits collapses to one pending mirror. `removeOnComplete` AND `removeOnFail` are BOTH `true` : a retained job with the same jobId makes

BullMQ silently ignore a later `add()`, wedging the next mirror. The `ProjectDocsSync` cursors

(`lastSourceSha` vs `headCommit`) are the retry source of truth — the cron sweep re-enqueues.

`DocsSyncQueue` registers the outbound `docs-sync` BullMQ queue in every API pod and provides the enqueue boundary for documentation mirror requests. Settings saves, manual “sync now” actions, and cron sweeps add deduplicated per-project jobs; actual Git processing is performed separately by `GitSyncMirrorWorker` when `DOCS_REPO_WORKER` is enabled.

Methods

Method	Signature	Returns	Description
onModuleInit	onModuleInit()	void	
enqueueMirror	enqueueMirror(projectId: string)	Promise<boolean>	Enqueue a coalesced mirror for a project.
onModuleDestroy	onModuleDestroy()	Promise<void>	

Dependencies

- ConfigService

Where it refuses work

- DocsSyncQueue stops the work with an early return when `!this.queue` .

When something fails

- DocsSyncQueue handles failure in 2 places: it logs it and continues in 1, and turns it into a return value in 1.

Diagram

```
sequenceDiagram
    participant API as API Pod
    participant Queue as DocsSyncQueue
    participant BullMQ as BullMQ / Redis
    participant Worker as GitSyncMirrorWorker
    participant Repo as Substrate Repository

    API->>Queue: enqueueMirror(projectId)
    Queue->>Queue: Build jobId: mirror-<projectId>
    Queue->>BullMQ: add("docs-sync", payload, { jobId })

    alt Job already pending for project
        BullMQ-->>Queue: Deduplicated / existing job
    else New job
        BullMQ-->>Queue: Job queued
    end

    Worker->>BullMQ: Consume docs-sync job
    Worker->>Repo: git show / git ls-tree at pinned SHA
    Worker->>Worker: Mirror docs to docs repository
```

Worker->>BullMQ: Complete or fail job
Note over BullMQ: removeOnComplete and removeOnFail are true

Usage

```
import { Injectable } from '@nestjs/common';
import { DocsSyncQueue } from '../git-sync/docs-sync-queue.service';

@Injectable()
export class ProjectSettingsService {
  constructor(private readonly docsSyncQueue: DocsSyncQueue) {}

  async saveDocsSettings(projectId: string): Promise<void> {
    // Persist project settings first.
    // await this.projectRepository.update(projectId, settings);

    const queued = await this.docsSyncQueue.enqueueMirror(projectId);

    if (!queued) {
      // A mirror job may already be pending for this project.
      // The cron sweep can retry later if cursors remain out of sync.
      return;
    }
  }
}
```

AI Coding Instructions

- Use `enqueueMirror(projectId)` as the only API-side path for requesting outbound documentation mirrors; do not perform Git mirror work in API pods.
- Preserve deterministic job IDs in the `mirror-<projectId>` format. BullMQ custom job IDs cannot contain `:`.
- Keep `removeOnComplete: true` and `removeOnFail: true`; retaining completed or failed jobs can cause later `add()` calls with the same ID to be silently ignored.
- Treat `ProjectDocsSync.lastSourceSha` versus `headCommit` as the retry source of truth. The cron sweep should re-enqueue projects whose cursors are not aligned.
- Keep worker-only repository access inside `GitSyncMirrorWorker`, gated by `DOCS_REPO_WORKER`; API pods should only register and enqueue queue jobs.

Relationships

- `DEPENDS_ON` → `configservice`

Referenced By

- `GitSyncModule` (MODULE_PROVIDES)
- `GitSyncService` (DEPENDS_ON)