

CrWorker

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CrWorker

Kind: Class

Source: [atloria-monorepo/apps/api/src/change-request/cr.worker.ts](https://github.com/atloria-monorepo/apps/api/src/change-request/cr.worker.ts)

CrWorker — the single, gated consumer of the 'docs-cr' queue (S2.1 branch lifecycle + S2.3 merge writeback).

Only spins up where DOCS_REPO_WORKER===true (the deployment that mounts the docs-repos PVC); api pods enqueue-only. Jobs:

- 'cr-open' stages the CR's proposed content on a cr/ branch cut from main.
- 'cr-merge' THE writeback: conflict-gates each file against CURRENT POSTGRES (the serving source of truth — NOT lagging git main), then writes the effective content back to Postgres through DocumentService under a per-document CAS (revisions created; the outbox → reconciler then projects main — that projection commit is the merge commit, authored by the MERGER, GitHub-style). The CR branch is never git-merged and is KEPT for audit.
- 'cr-refresh' recomputes diffCache/conflictState against current main; status untouched.
- 'cr-restage' commits a pendingResolution onto the CR branch as the RESOLVER's author.

Git-branch work runs under the same FAIL-CLOSED per-project commit lock the committer uses;
merge writeback is DB-only and deliberately does NOT hold the lock (DocumentService calls must never sit inside a git-lock window).

INVARIANT: the repo is checked back out to `main` in a finally, even when staging throws

mid-way — the reconciler commits to whatever branch is checked out, so a repo left on a CR

branch would silently route the next DB-wins rebuild onto the proposal branch.

Implements: `OnModuleInit` , `OnModuleDestroy`

Methods

Method	Signature	Returns
<code>onModuleInit</code>	<code>onModuleInit()</code>	<code>void</code>
<code>dispatch</code>	<code>dispatch(data: DocsCrJob)</code>	<code>Promise<void></code>
<code>handle</code>	<code>handle(crId: string)</code>	<code>Promise<void></code>
<code>handleMerge</code>	<code>handleMerge(crId: string)</code>	<code>Promise<void></code>
<code>handleRestage</code>	<code>handleRestage(crId: string)</code>	<code>Promise<void></code>
<code>openChangeRequest</code>	<code>openChangeRequest(crId: string)</code>	<code>Promise<void></code>
<code>mergeChangeRequest</code>	<code>mergeChangeRequest(crId: string)</code>	<code>Promise<void></code>
<code>refreshChangeRequest</code>	<code>refreshChangeRequest(crId: string)</code>	<code>Promise<void></code>
<code>restageResolution</code>	<code>restageResolution(crId: string)</code>	<code>Promise<void></code>
<code>onModuleDestroy</code>	<code>onModuleDestroy()</code>	<code>Promise<void></code>

Where it refuses work

- `CrWorker` stops the work with `CrPermanentError` when `files.length === 0` — “change request has no files”.
- `CrWorker` stops the work with `CrPermanentError` when `files.length === 0 || files.some((f) => !f.path && !f.delete)` — “change request has no staged files to merge”.
- `CrWorker` stops the work with `CrPermanentError` when `!parseDocsPath(f.createPath)` .
- `CrWorker` stops the work with `CrPermanentError` when `!repoPath` — “document not in served set”.
- `CrWorker` stops the work with `CrPermanentError` when `!parts` .
- `CrWorker` stops the work with `CrPermanentError` when `!served` .

When something fails

- `CrWorker` handles failure in 12 places: it lets it reach the caller in 8, logs it and continues in 2, turns it into a return value in 1, and discards it silently in 1. A failure discarded silently leaves no trace for whoever debugs this later.

Referenced By

- `ChangeRequestModule` (`MODULE_PROVIDES`)