

# Library Auto-Push

# Library Auto-Push

**Owner:** FlowForge **Implemented:** 2026-04-17 (Hive Activation Phase 2 T4) **Plist:**

`~/Library/LaunchAgents/com.alai.library-sync.plist` **Wrapper:** `~/system/tools/library-sync-wrapper.sh`

## Purpose

Before this daemon, `library.js sync` was manual. Result: 26-day-old distributions. Every company ran skills that diverged from the global source.

Now `library.js sync --fix` runs every 5 min, and immediately after, `discover.js --rebuild-index` refreshes the search index.

## Schedule

- `StartInterval`: 300 seconds
- `ThrottleInterval`: 60 seconds (prevents overlap if one run exceeds 5 min)
- Logs: `~/system/logs/library-sync.log` (stdout) + `library-sync.err` (stderr)

## Wrapper flow

```
node ~/system/tools/library.js sync --fix # distribute skills across companies
node ~/system/tools/discover.js --rebuild-index # refresh search index
```

## Pre-first-run snapshot

Before the daemon's very first run, a snapshot of every company's `.claude/skills/` was saved to:

```
~/system/backups/library-pre-autopush-20260417-0041/
```

If auto-push ever overwrites a legitimate company customization, restore from there.

# Operation

```
# Status
launchctl list | grep library-sync
# LastExitStatus should be 0

# Force a run
launchctl start com.alai.library-sync

# Tail log
tail -50 ~/system/logs/library-sync.log

# Current sync state
node ~/system/tools/library.js status
```

# Drift handling

`library.js sync --fix` will flag company overrides (the company's version of a skill differs from global). Current drift at first-run: 8 items across CodeCraft + Lexicon. This is expected — these are intentional overrides, not bugs. The daemon logs them but doesn't force-overwrite.

If you WANT to force-normalize a company: `node ~/system/tools/library.js push <skill> --company <name>`.

# Rollback procedure

If auto-push corrupts company skills:

```
launchctl unload ~/Library/LaunchAgents/com.alai.library-sync.plist
# restore from snapshot
cp -a ~/system/backups/library-pre-autopush-20260417-0041/<company>/
~/ALAI/<company>/.claude/skills/
# or selective restore per skill
```

Re-enable: `launchctl load` the plist.

# Known issues

- FORGE sync (`library.js forge-sync 10.0.0.2`) currently unreachable — `~/system/ops/forge-connectivity-debt.md`. Auto-push runs OK locally; FORGE deploy waits for network fix.
- `library.js sync --fix` currently swallows stderr in FORGE path. CodeCraft may want verbose mode in a future sprint.

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