

# x\_make\_github\_clones\_x â€” Repository Synchronisation Discipline

x\_make\_github\_clones\_x keeps a local working directory aligned with a curated set of GitHub repositories. It talks directly to the GitHub REST API, respects our visitor pipeline contracts, and writes machine-auditable run reports so the command center always knows what happened.

## Capabilities

- Fetch repository metadata with optional name filters and fork inclusion.
- Clone or update repositories on disk, with safe fallback for corrupt working trees.
- Emit JSON run reports that satisfy the json\_contracts schemas used by the visitor and release dashboards.
- Honour X\_ALLOW\_TOKEN\_CLONE so sensitive clones only happen when explicitly authorised.

## Quickstart

1. python -m venv .venv then \.venv\Scripts\Activate.ps1 on Windows.
2. pip install -e .[dev] once dev extras are available, or pip install -e . for a minimal setup.
3. python -m x\_make\_github\_clones\_x.x\_cls\_make\_github\_clones\_x --username eye4357.
4. Inspect reports under reports/ for a full audit trail.

## Quality Gates

| Check | Command || --- | --- || Formatter | python -m black . || Linter | python -m ruff check . || Typing | python -m mypy --package x\_make\_github\_clones\_x || Static Analysis | python -m pyright || Tests | pytest |

## Change Control

- Release notes live in CHANGELOG.md.
- Run reports belong in artifacts/reports/ when you stage evidence for a change control bundle.
- Telemetry normalisation moved to the dedicated ./x\_make\_telemetry\_vector\_x repository.