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🧪 [testing improvement] Add unit tests for load_hashes in sync_repo_map.py #5

(Open) **DaRipper91** wants to merge 1 commit into `main` from

`testing-improvement-load-hashes-6…` 🗐

💬 Conversation 1   ◦ Commits 1   ▤ Checks 0   ▣ Files changed 2

DaRipper91 commented 4 minutes ago   (Owner)

🎯 What: The testing gap addressed

The `load_hashes` function in `sync_repo_map.py` was previously untested. This PR adds comprehensive unit tests for this function and refactors the script to be import-safe, allowing for easier unit testing.

📊 Coverage: What scenarios are now tested

- **Missing Hash File:** Verifies that `load_hashes` returns an empty dictionary `{}` when the `.last_hashes.json` file does not exist.
- **Valid JSON Content:** Verifies that `load_hashes` correctly parses and returns the hash dictionary from a valid JSON file.
- **Invalid JSON Content:** Verifies that `load_hashes` handles `json.JSONDecodeError` gracefully and returns an empty dictionary `{}` when the file contains malformed JSON.

✨ Result: The improvement in test coverage

- **Import-Safe Structure:** The script no longer executes side-effects (like fetching data from GH or creating directories) upon import, enabling clean unit tests.
- **Robustness:** Added automated verification for the core change-detection mechanism (loading previous hashes).
- **Test Infrastructure:** Introduced a testing pattern using `unittest.mock` and `pytest` that can be extended to other functions in the script.

🤖 Mention @copilot in a comment to make changes to this pull request.

○ 🐙 ✏️ **test: add unit tests for load_hashes and refactor for testability** ⋯ 1b6b86c

google-labs-jules (bot) commented 4 minutes ago   Contributor

👋 Jules, reporting for duty! I'm here to lend a hand with this pull request.

When you start a review, I'll add a 👀 emoji to each comment to let you know I've read it. I'll focus on feedback directed at me and will do my best to stay out of conversations between you and other bots or reviewers to keep the noise down.

I'll push a commit with your requested changes shortly after. Please note there might be a delay between these steps, but rest assured I'm on the job!

For more direct control, you can switch me to **Reactive Mode**. When this mode is on, I will only act on comments where you specifically mention me with `@jules` . You can find this option in the **Pull Request** section of your global Jules UI settings. You can always switch back!

New to Jules? Learn more at jules.google/docs.

For security, I will only act on instructions from the user who triggered this task.

☺

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Use the web editor or the command line to resolve conflicts before
continuing.

📄 sync_repo_map.py

Merge pull request ▾   You can also merge this with the command line. <u>View command line instructions.</u>

Reviewers   ⚙

No reviews

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No one—<u>assign yourself</u>

Labels   ⚙

None yet

Projects   ⚙

None yet

Milestone   ⚙

No milestone

Development   ⚙

Successfully merging this pull request may close these issues.

None yet

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1 participant