

Endpoint checks miss what breaks. Journeys don't.

Checksum's API Agent generates stateful, multi-step journeys that mirror how your product actually uses its API. Tests ship as standard PyTest, wired between steps automatically, that your team owns.

API TESTING AGENT

82% lower test failure rate	1000s of endpoints covered in days	40+ step chains verified end-to-end	0 repo connection required to start	100% standard PyTest, no lock-in
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THE PROBLEM

Any tool can hit an endpoint. Few verify it works.

Real APIs have hundreds of endpoints and millions of parameter combinations. Manual testing doesn't scale, and generating tests ad hoc isn't continuous or systematic.

Spec-based tools confirm a route exists or matches a schema. They miss what actually breaks in production: an ID that has to carry between steps, or a state that has to hold across a sequence.

THE SOLUTION

Stateful journeys, not isolated calls.

The API Agent generates multi-step journeys that mirror how your product actually uses its API: create a resource, capture the ID, read it, update it, verify the result.

Dynamic values like IDs and tokens are captured and wired between steps automatically. Tests cover error cases alongside successful flows.

Tests ship as standard PyTest your engineers can read, run, and own.

64.8%

of engineering leaders say AI-generated code requires more review time than human-written code

HOW IT WORKS

Four steps, zero manual test debt.

Start from a spec	Feed it an OpenAPI spec, Swagger docs, or captured real traffic via SDK. No repo connection required to begin.
Generate journeys	Multi-step, stateful tests that span endpoints, capturing IDs and tokens and wiring them between steps.
Ship as PyTest	Readable, standard PyTest delivered to your pipeline. No proprietary format, no lock-in.
Maintain coverage	When an endpoint or schema changes, Checksum finds the affected journeys and proposes updates for your review.

WHY CHECKSUM

What other tools can't offer.

- ✓ **Autonomous, not a copilot.** Agents run in the background and come back with complete, stateful test journeys. No babysitting, no back-and-forth prompting.
- ✓ **Coverage that scales with your API.** Thousands of endpoints and millions of parameter combinations covered in days, not months.
- ✓ **PyTest you can read and own.** Standard, readable PyTest with dynamic values wired between steps automatically. No proprietary format.
- ✓ **Maintains itself as your API evolves.** When an endpoint or schema changes, affected journeys are identified and updates are proposed for your review.
- ✓ **No repo connection required to start.** Feed it an OpenAPI spec, Swagger docs, or captured traffic, and reach meaningful coverage in days.

GETTING STARTED

Real tests in your pipeline before you commit to anything.

Every new customer goes through a structured Proof of Value (POV) before signing. Checksum handles access, goal-setting, and technical setup. Your team will have a fully running test suite in its repo, with daily regression cycles, by the end of the POV. Throughout, you have a dedicated solutions engineer on Slack.

Book a demo at checksum.ai