ASSURE · CHECKING CODE BEFORE IT SHIPS

Which code warnings are real, and who says so?

Before new software goes out, someone has to accept the risk of shipping it, usually on the strength of a long list of automated warnings nobody trusts. Assure points to the exact line of code behind each warning, runs three automatic checks on it, and can record who agreed it was real.

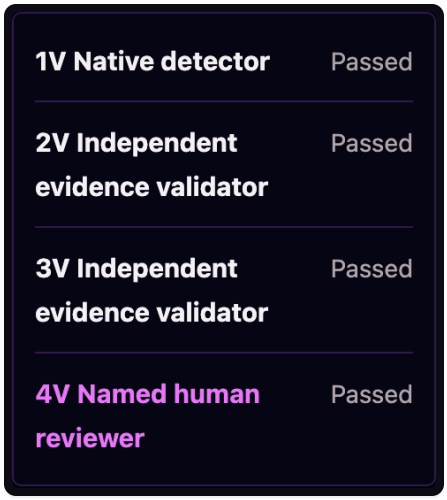
One warning, start to finish

We tried Assure on a small practice project with a flaw planted on purpose. Assure found it: on line 9 of one file, text typed by a website visitor goes straight into a database command, which could let an attacker read or change customer data. It showed the exact line, explained the risk in plain steps, and said how to fix it.

Then it checked its own work. A first check spotted the problem. A second, independent check re-read the same line from a frozen copy of the code, to confirm it was really there. A third tried to rule the warning out using Assure's own rules for spotting false alarms, and could not. These three are automatic and use no AI, so the same code always gives the same answer. A fourth step is a person: we recorded a reviewer's sign-off, and the warning now shows it.



The exact line, as it was when checked.



Three automatic checks, then a named person.

That changes the release meeting. Instead of a pile of unnamed warnings and a chat message that says "ship it", the person accepting the risk sees the warnings that held up, the line behind each one, and who agreed it was real.

Assure also prints two lists a manager can take into an audit or a plan to replace old encryption: every place the code uses the kinds of encryption future quantum computers are expected to break, and the outside software packages the project relies on.

Assure is an engineering candidate, not a finished product. It reads software written in two programming languages, JavaScript and TypeScript, and has only been tried on practice projects. It is not yet approved for your source code, for installation at your site, or for production use. Checking code does not prove the running system is safe.

Next: the manager guide tells this warning's story in full, and the evaluation brief describes a four-week trial on practice projects.