

n8n dependency watch

Exposure Watch builds a small component manifest from an n8n workflow file. It checks exact package versions against OSV records. It also watches later files for important structure changes.

WHERE IS DATA PROCESSED?

Core work is local, with a separate consent-led network step

GOAL

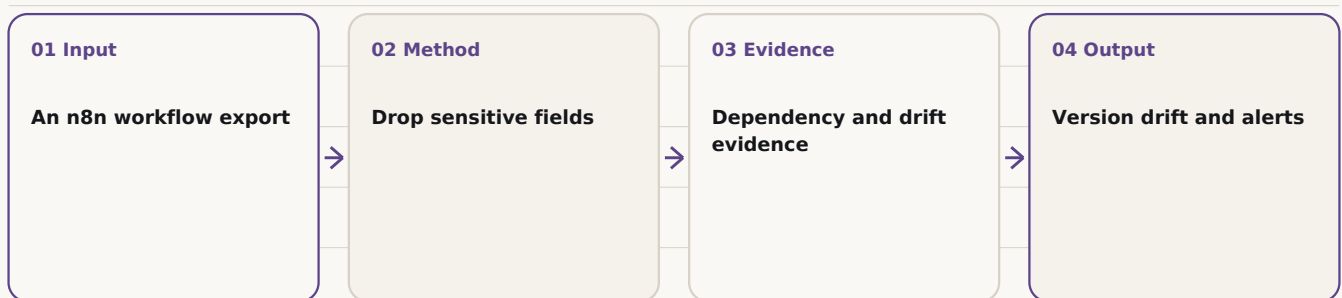
Reads a workflow export locally and tracks version drift.

WHO IS IT FOR?

For n8n teams that need to watch dependency and structure drift without storing the raw workflow file.

TECHNICAL FLOW

Input, method, evidence, and output



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HOW DOES IT WORK?

Step 1

Read the workflow locally

The n8n JSON file opens in the browser. The raw workflow is not sent to the server.

Step 2

Drop sensitive fields

Prompts, node names, credential IDs, webhook paths, and free-form parameter values are not kept.

Step 3

Build a bounded manifest

The manifest keeps node and package types. It also keeps confirmed versions, credential types, outbound domains, capabilities, and a structure hash.

Step 4

Check owner and save

The Community session becomes a short-lived identity. The Worker checks the input. It then writes an owner-scoped D1 record.

Step 5

Check exact versions with OSV

Only a confirmed exact npm version is matched with OSV. A package with no known version stays a coverage gap.

Step 6

Create drift and alerts

Cron checks again. A new advisory or different structure hash creates a history item and alert.

LIMITS

The workflow is not executed. A clean OSV result is not a security verdict and cannot show unpublished vulnerabilities.