

ProjectDiag AI

Self-diagnosing admin panel for small PHP sites and servers

- One panel instead of a pile of one-off “run once and delete” scripts
- Checks, previews and only then repairs: nothing destructive without confirmation + CSRF
- Backups, permissions, SSL, database and archive integrity, recent changes
- Print and Copy on every report so results can be handed to anyone (or an AI)
- Czech, English, German and Russian; light and dark theme

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1 Where it came from

It started as a site for the owner's wife. Whenever the site returned a 500 error, an AI wrote a throw-away script ("run once, then delete"). After a while there were more than three of them, so they were gathered into one diagnostics panel — which grew into an independent project with about ninety check modules and four languages.

Idea: when something breaks, press a button and get a ready report instead of searching, and give an AI the full report instead of a partial screenshot so it does not "go down a tunnel" and fix the wrong thing.

2 What it checks

Area	What you get
Server permissions	Check → Preview → Apply. Items are classed normal / special / attention / repair; only safe fixes are offered.
Backups	Integrity of databases and archives; 2 regular + 1 monthly snapshot per project.
SSL	Certificate validity and trust.
Links	Broken-link scan with an SSRF filter.
Recent changes	What changed on the site in the last hour.
Icons and files	Duplicate icon detection that never removes the last legitimate copy.
Notifications	Optional Telegram alerts.

3 Safety principles

- Every destructive action is POST + CSRF + explicit confirmation, never a plain link.
- Repairs are named functions, never an arbitrary shell command built from data; group is changed, owner never.
- "Preview" shows the exact plan before "Apply"; after applying, a real re-scan confirms the result and a log line is written.
- Secrets and security databases live outside the web-accessible folder.

4 Interface

- Every information window has Print and Copy buttons at the top.
- Colour carries meaning: green go, yellow look, red danger, blue information.
- Language order: Czech, English, German, Russian. Light/dark theme is manual.
- Same list with Download / Delete in each row wherever a clean-up is offered.

5 Status and honesty

A line-by-line audit of all check modules has been completed; the main systemic findings (missing CSRF on destructive GET actions, a security database inside the web root, an unsafe chown command repeated six times) were fixed. The project is offered for trial and feedback; remaining rough edges are listed rather than hidden.

Authors. Andrei Pasunko (mechanic, Czechia) — idea, requirements and testing on a live server. Code and logic together with AI assistants Claude (Anthropic), ChatGPT, Gemini and DeepSeek. A demonstration of what a non-programmer can build with AI — shown honestly, with its rough edges.

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