LehrPuls

FOR IT DEPARTMENTS AND PRIVACY OFFICERS

The laptop is the server. No account, no cloud, no data processor.

LehrPuls is a desktop application for Windows and macOS. Questions, participants and answers live in a local database with the instructor. Students use only the browser on their smartphones. There is no LehrPuls cloud, no vendor account and no activation server.

Local on the room Wi-Fi

The laptop accepts connections on TCP 8712; devices connect directly. Works without internet.

Online via the relay: end-to-end

AES-256-GCM; the key sits in the fragment of the join address, which the browser never sends to any server. The relay sees nothing readable.

Minimal network needs

Outbound TCP 443 to relay.lehrpuls.com (relay) and lehrpuls.com (update notice, version number only). No inbound rules.

0
servers, databases, accounts and data processors on your side

443
the only outbound port on the online path (HTTPS and WSS)

/S
silent install: /S /AllUsers or /S /CurrentUser, signed installer

%OneDrive%
data folder via group policy (LEHRPULS_DATA_DIR) for shared computers

What lives where

- **Data** (questions, courses, sessions, answers, license) in SQLite in the user profile or in the data folder you set
- **Relay** keeps connection data and encrypted content only for the duration of the session; counts numbers for capacity only
- **Read-only API** optional, 127.0.0.1:8716 only, with key, anonymized by default; lockable via LEHRPULS_API_SPERRE=1
- **License** is a signed key (ed25519), personal, no activation server

What you get

- **IT guide** with group policy, network rules, test plan and troubleshooting
- **Privacy dossier** (EN/DE): data flows, DPIA template, approval checklist
- **Checksums** (SHA-256) of the installers on the download page; code signing for Windows and macOS
- **Deletion periods** per course in the app; sample privacy notice included

For the DPIA: The controller remains the institution or the instructor; the vendor processes no personal data of students. The online path is an encrypted pass-through without knowledge of the key. The classification with reasoning is in the privacy dossier.

Approval in one afternoon

Verify the installer, set two user variables, allow outbound 443, run the test plan — the IT guide describes every step. I answer questions directly.

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