

PermitSense — On-Premise Technical Brief

Prepared for IT & security review · July 2026

Overview

PermitSense turns county permit records into a prioritized, tiered lead list for roofing and home-service contractors, covering 13 trade categories. The On-Premise build runs the exact same application as the Cloud product — same routes, same UI, same feature set — packaged as a single Windows installer with a local embedded database in place of a hosted one.

Architecture, Cloud vs. On-Premise

	Cloud	On-Premise
Client	Any modern browser	Any modern browser, on your LAN
Application	Hosted & managed by Nerds Show	Runs as a native Windows Service on your server
Database	Managed, hosted database	Local embedded database file on the same server
Sai AI assistant	Included (uses AWS Bedrock)	Optional add-on — your own AWS Bedrock account
Network exposure	Managed by us	Reachable on your LAN at a configurable port (default 3000)

System Requirements

- Windows 10/11 or Windows Server — 64-bit (x64)
- Administrator rights for the one-time install
- A machine reachable by your team's devices on your local network
- Outbound internet access only if the optional Sai AI add-on is enabled (to reach AWS Bedrock) — otherwise the Standard build makes zero external network calls

Installation Overview

- Run the installer (.exe) — a portable Node.js runtime ships inside the package, so nothing else needs to be installed first.
- PermitSense is installed as a Windows Service that starts automatically on boot and restarts automatically if it ever crashes.
- A Windows Firewall rule for the chosen port is configured automatically.
- Logs rotate automatically; uninstalling from Windows “Apps” cleanly removes the service.

Data Handling & Security

All lead and permit data is stored locally in an embedded database file on your own server — nothing is transmitted to or stored by Nerds Show. If the optional Sai AI assistant is enabled, natural-language queries are sent to your organization's own AWS Bedrock account using credentials you provide after installation; those credentials are never bundled with the installer. Disabling the AI add-on removes this as a consideration entirely.