INSTALLATION

Installation guide Windows

nmap and Npcap, INSTALL.bat, self-test, license, update, moving to a new computer and uninstalling.

Version 3.0.0 · 12 Nov 2026
HanselCraft · otscan.hanselcraft.de

1 Requirements

- Windows 10 or 11 (64-bit), administrator rights for the installation, approx. 700 MB of free disk space.
- **nmap with the Npcap driver** from `https://nmap.org/download.html` – both have their own licenses and are **not** part of the package.
- For the PDF reports Network check, Device details, Site report and Device directory: Microsoft Edge (included in Windows) or Google Chrome.
- A second network adapter for the plant network (e.g. a USB adapter) is recommended; never scan through the office network.

2 Install nmap and Npcap

1. Open `https://nmap.org/download.html` and download `nmap-<version>-setup.exe` under "Latest stable release self-installer".
2. Run the setup as administrator. Leave the component **Npcap** ticked, read and accept the Npcap license.
3. If nmap is already installed but Npcap is missing: install Npcap from `https://npcap.com/#download`. Without Npcap only connect scans work (no ARP, SYN or UDP scans).

3 Install OTScan 3

1. Extract the ZIP package **completely** into a folder (e.g. on the desktop) – do not start it from inside the ZIP.
2. Double-click `INSTALL.bat` and answer the prompt for administrator rights with "Yes".
3. The window shows whether nmap and Npcap were found, sets up the program, the libraries and the OT scripts (NSE) in the nmap script folder, and creates the desktop icon **OTScan 3**. If nmap is missing, it names the download – install nmap and start INSTALL.bat again.
4. A summary is shown at the end. Close the window.

What	Where
Program	`C:\Program Files\OTScan3` – only administrators can change this folder
Database, settings	`%APPDATA%\OTScan3`
Reports, inventory, Splunk storage, acceptances, templates, backups	Documents (output folder can be changed), subfolders `OTScan3_…`
User manual, help, sample reports	in the program folder: `handbuch\` (English: `index_en.html`), `hilfe\`, `assets\muster\en\`

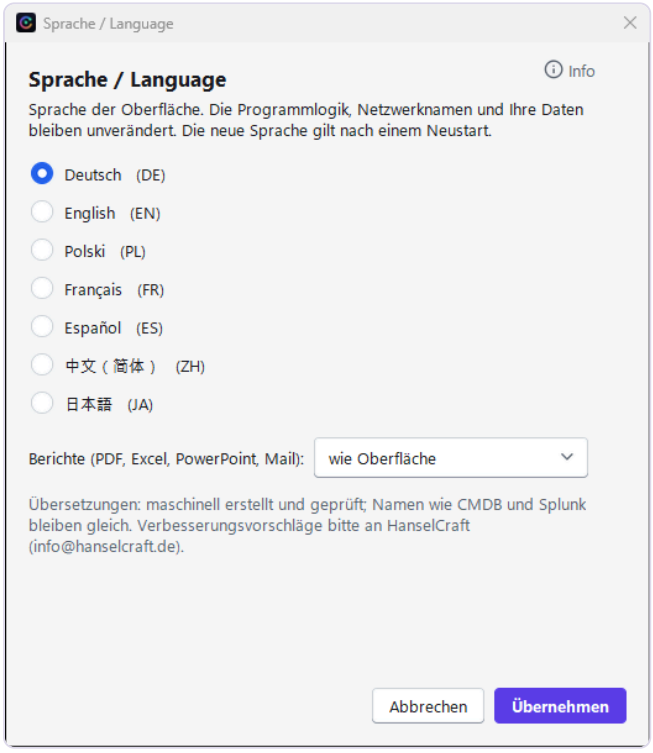
4 Check the installation

`SELBSTTEST.bat` in the package folder checks Python, libraries, nmap, firmware comparison, camera profile, encrypted credentials, a simulated camera and the initial commissioning package. It does not scan any network. The result is written to `Documents\OTScan3_Selbsttest\<time>\Selbsttest_Ergebnis.txt` and ends with "... ok, 0 Fehler" (0 errors).

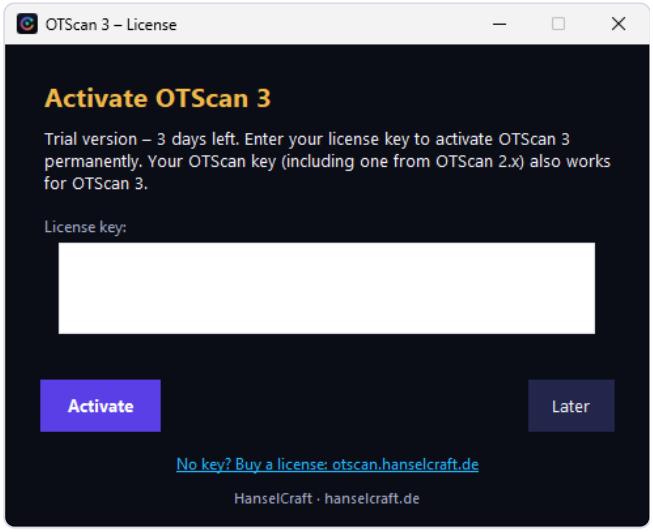
`PRUEFEN.bat` only writes a status report (it installs nothing) – useful when you contact support.

5 First start and license

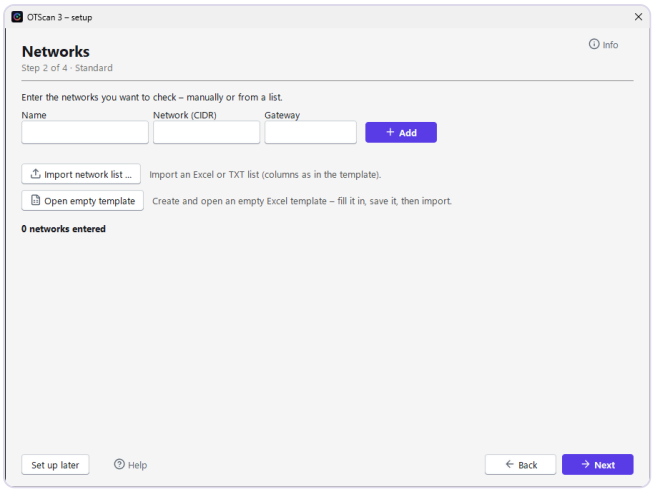
1. Start OTScan 3 from the desktop icon **OTScan 3** – it starts with administrator rights (required for ARP and UDP scans). For tasks that only work without administrator rights (e.g. restoring a backup) the start menu has the entry **OTScan 3 (ohne Admin)** (without admin).
2. Choose the language. The activation window appears: enter the license key and click **Activate** (needs internet once) – or **Later** for the trial version. License keys are available at `otscan.hanselcraft.de`.
3. The setup wizard guides you through networks, CMDB and scan MAC list. To run it again later: Data maintenance → **Setup wizard ...**.



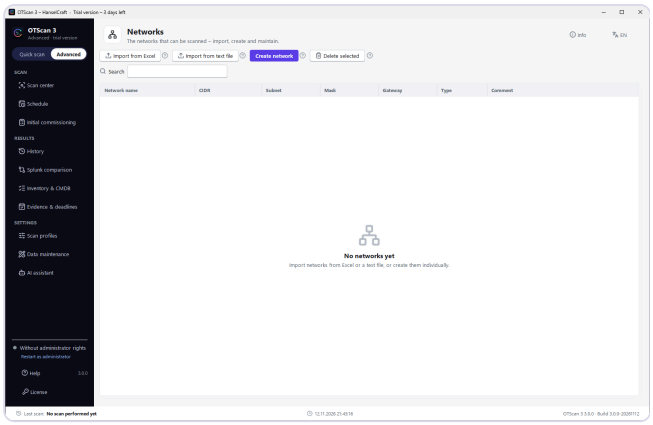
First start: choose the language



License activation / trial version



Setup wizard: networks



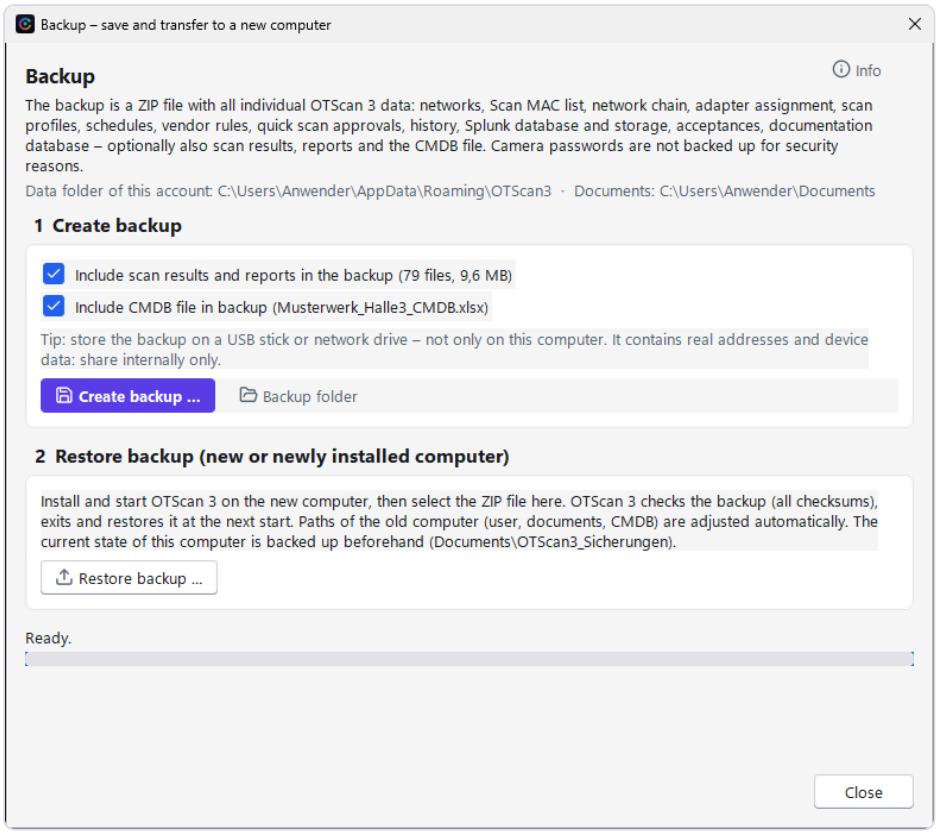
First start: empty workspace

> To release a computer (e.g. before replacing it): **License** at the bottom left → "Release this computer". The key can then be activated on the new computer.

6 Update and moving to a new computer

Update: close OTScan 3, extract the new package and run `INSTALL.bat`. Database and settings are kept.

New computer: on the old computer: Data maintenance → **Backup ...** → **Create backup ...**. On the new computer: install OTScan 3, start it once, **Restore backup ...**, restart OTScan 3. Enter the camera credentials again and check the adapter assignment.



Backup

7 Uninstall

Start menu → **OTScan 3 deinstallieren** (uninstall), or `Deinstallieren.bat` in the program folder, removes the program and the shortcuts. Your data stays in `%APPDATA%\OTScan3` and under Documents until you delete it yourself. Remove nmap and Npcap separately via "Apps & features".

> More help: **Info** on every page (F1), the user manual (`handbuch\index_en.html`) and *OTScan3_Anwenderhandbuch_EN.pdf* in the `docs` folder.