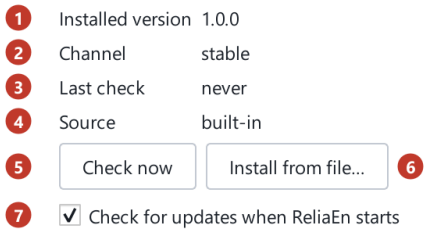
Updates and backups: checking for a new release, installing it from a folder, and the backups an update makes

Menu: Help ▸ Updates…

Part 1 — What the function does

What it does. Help ▸ Updates… checks whether a newer ReliaEn release exists and installs it. A release is two files: a signed manifest, reliaen-update.json, which says what the release is, and its installer. ReliaEn reads them from the ReliaEn update site, from a site mirror your IT sets up, or from a folder you choose - a computer with no network is updated from a USB drive. Every release is checked against its signature before anything is offered, and nothing is installed without your click.



The Updates dialog

- ① Installed version: the version of ReliaEn on this computer.
- ② Channel: stable.
- ③ Last check: never, or the date and time of the last check.
- ④ Source: built-in (the ReliaEn update site), or the site mirror's address, or the sentence that says checks are switched off on this computer.
- ⑤ Check now: asks the source for the newest release and says what it found.
- ⑥ Install from file…: reads the two release files from a folder; nothing goes over the network.
- ⑦ Check for updates when ReliaEn starts: on unless you or the computer's policy switch it off.

From which data. The installed version, and the release's manifest from the source or the folder.

When an engineer uses it. When the start-up line says a new version is available, when IT announces a release, or when a computer without network gets a release on a USB drive.

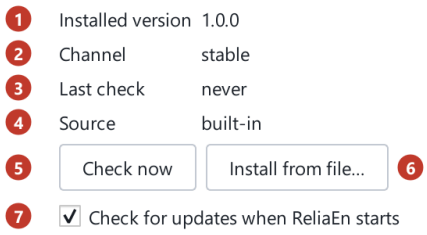
When not to use it.

Situation	Use instead
The licence is to be renewed	Help ▸ Licence… (chapter 1.1): an update never changes the licence
ReliaEn is installed for the first time	The installer itself (chapter 1.1)

Part 2 — The example's input data

Setting. A technician brings a release on a USB drive to a control-room computer with no network, to see whether it is newer than the ReliaEn there.

Input	Value
Installed version	1.0.0
The folder on the USB drive	reliaen-update.json of release 1.0.0 - a release file of ReliaEn's update test suite, signed with its test key

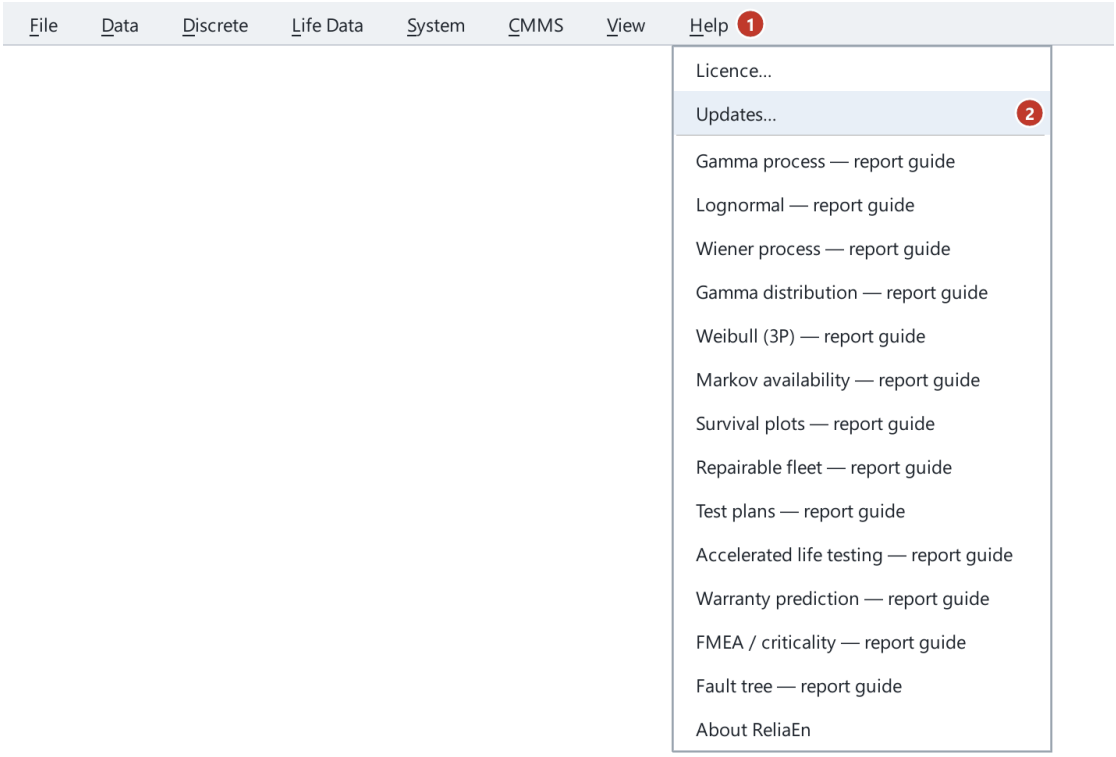


The dialog as it opens

- ① Installed version: 1.0.0.
- ② Channel: stable.
- ③ Last check: never, or the date and time of the last check.
- ④ Source: built-in; the folder route below uses no source at all.
- ⑤ Check now: asks the source for the newest release and says what it found.
- ⑥ Install from file...: reads the two release files from a folder; nothing goes over the network.
- ⑦ Check for updates when ReliaEn starts: on unless you or the computer's policy switch it off.

Part 3 — How to use it, step by step

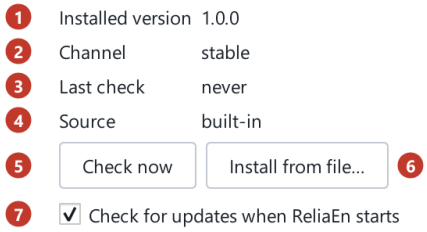
1. **Choose Help ▸ Updates….**



Step 1 — the menu path

- ① Help: the menu.
- ② Updates…: the entry to click.

2. **In the dialog Updates, click Install from file….**

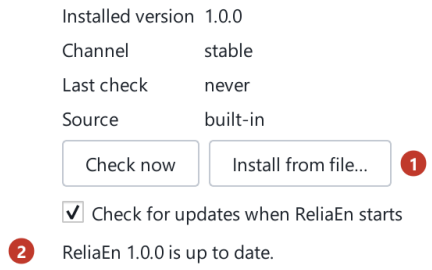


Step 2 — the dialog

- ① Installed version: the version of ReliaEn on this computer.
- ② Channel: stable.
- ③ Last check: never, or the date and time of the last check.
- ④ Source: built-in (the ReliaEn update site), or the site mirror's address, or the sentence that says checks are switched off on this computer.
- ⑤ Check now: asks the source for the newest release and says what it found.
- ⑥ Install from file…: the button to click.
- ⑦ Check for updates when ReliaEn starts: on unless you or the computer's policy switch it off.

3. ⑥ **In the folder chooser Folder with the release files, choose the USB drive's folder and click Select Folder.** ReliaEn reads the manifest, checks its signature and compares the release with the installed version.

Part 4 — The result



The dialog's answer

- ① Install from file..., the button that was clicked.
- ② The message line: ReliaEn 1.0.0 is up to date.

The release in the folder is the version already installed, so nothing is offered and nothing changes.

Part 5 — How to interpret the results

Up to date is an answer. The sentence names the version it compared. A folder with a newer release instead opens the group Updates in the same dialog, with the rows Version, Built, Size and Notes and the buttons Download and install, Skip this version and Later.

What Download and install does. It asks first about unsaved work, as File ▸ Exit does, and stops if you cancel. It copies or downloads the installer, checks its size and checksum against the signed manifest, then closes ReliaEn and installs the release; the new version starts and reopens the CMMS file that was open. If the new version does not start, the previous one is put back.

What ReliaEn refuses. A manifest whose signature does not verify, a release older than the installed one, and a release beyond what the licence covers are refused in one sentence on the message line, and nothing is installed.

The backups. An update changes the program folder only: your projects, CMMS files, licence and settings stay. When the new version opens a CMMS database file of an older format, it first makes a backup beside the file, named ….pre-update.<old>-to-<new>.<time>.bak, and checks it; if the upgrade fails, the backup is copied back and the database is unchanged. ReliaEn keeps the three newest backups of each database. A database on a PostgreSQL server is not backed up by ReliaEn: back it up before you install an update.