Guide: letting an extra computer contribute computing power

For the Single-user version of TrevantAI. The same text is available in the Help centre.

What is this about?

TrevantAI uses a language model (the "local AI") that runs on a computer, with the program Ollama. The faster the graphics card, the faster the answers. If TrevantAI is on a computer with a basic graphics card, and you also have a computer with a good graphics card (for example a desktop), that second computer can take over the computing work.

In this guide the two computers are called:

- **the TrevantAI computer**: the computer on which TrevantAI is installed;
- **the extra computer**: the computer that contributes computing power (for example the desktop with the good graphics card).

The **TrevantAI installation program** puts everything on the extra computer: **Ollama** (which runs the language model), the **TrevantAI agent** (a small program that connects to TrevantAI) and the **models**. You link the extra computer once with a **link text** from TrevantAI; after that it contributes whenever it is switched on, even when nobody is signed in.

If you use macOS on the extra computer, or want to do everything by hand, follow the **Appendix** at the end.

What happens when everything works

- As soon as the extra computer is on and connected, it contributes: with questions in the chat, sparring, automatic filling, translating and splitting articles. How is determined by the workstation's **preference** (step 4):
  - *This computer first*: AI work goes **to the extra computer first**;
  - *When I am sitting at it*: AI work goes to the extra computer first **while you are sitting at that computer** (you use TrevantAI in the browser on that computer); if you work elsewhere, it only steps in;
  - *Only step in* (the default): the TrevantAI computer does the work; the extra computer only steps in when the TrevantAI computer is busy.
- If the extra computer is off, asleep or busy, **the TrevantAI computer does the work itself**, as before. Nothing is lost.
- If the extra computer drops out in the middle of an answer (for example because it goes to sleep), the answer starts again on the TrevantAI computer. Under the answer you then see: "The computer that was producing this answer dropped out. The answer is starting again on another computer."
- **The search index** (making documents searchable) always stays on the TrevantAI computer. Your documents themselves are never copied to the extra computer; only the pieces of text needed for one question go there briefly, and the agent stores none of

them.
- The extra computer only uses **exactly the same model** that TrevantAI uses for that task. This way an answer never depends on the computer on which it was produced. A model may also be **only** on the extra computer (for example a large model that does not fit on the TrevantAI computer); the extra computer then always does that task, and if it is off, TrevantAI reports: "The model … is not on any computer that is currently switched on."

What you need

Go through this list before you start.

The extra computer

- Windows 10 or 11 (64-bit) or a common Linux version (64-bit).
- Preferably an NVIDIA graphics card with at least 8 GB of video memory. The model must fit into it; otherwise the computer works (much) more slowly.
- Free disk space for the models: at least 12 GB; 30 GB or more is recommended.
- Permission to install programs (the installation program asks once for permission from the administrator).
- Internet, for downloading Ollama and the models.

Both computers

- On the same network, for example at home via the same router (cable or Wi-Fi).

The TrevantAI computer

- TrevantAI has been installed with the installation program (then the connection is secured and the firewall is set correctly), and is on.
- If TrevantAI was installed in another way, first make the TrevantAI computer reachable (Appendix, step B1).

Allow about half an hour in total, most of which is waiting for the models to download.

Step 1 – Creating a link text in TrevantAI

On the **TrevantAI computer** (or on another computer on which you use TrevantAI in the browser):

1. Open **Admin > Computing power**. At the top is **Workstations (computing pool)**.
2. Under **Workstation name**, enter a recognisable name, for example "Study desktop".
3. Choose **Create link code**. A green box appears. Under **With the installation program (recommended):** it shows the **link text**: one line starting with `https://`, for example `https://studeerkamer-pc.local:3001/api#koppelcode=XMYU-XZVS-FX8C&uitgever=…`.
4. Choose **Copy** next to the link text.
5. Take the link text to the extra computer: email it to yourself, put it in a text file on a USB stick, or paste it into a chat message to yourself.

The link text contains the address of the TrevantAI computer, the **link code** and the **fingerprint** of the TrevantAI computer's security. With that fingerprint the extra computer checks that it is connecting to the real TrevantAI computer. The link code is valid for **7 days** and works **once**. If you have lost the text or it expired before the computer was linked, choose **New code** at the workstation.

Step 2 – Starting the installation program on the extra computer

1. Put the TrevantAI installation program on the extra computer (the same program with which TrevantAI was installed):
   - **Windows**: the zip file `TrevantAI-installatie-…-windows.zip`. Right-click it, choose **Extract All**, and in the extracted folder start **TrevantAI installatie.exe**. If Windows shows "Windows protected your PC", choose **More info** and **Run anyway**.
   - **Linux**: the file `TrevantAI-installatie-…-linux.AppImage`. Make it executable (right-click > Properties > Allow executing file as program, or in a terminal `chmod +x` followed by the file name) and start it.
2. Choose the language and **Next**.
3. Choose **Let this computer contribute computing power** and **Next**.
4. The program checks the computer (operating system, memory, video card, disk space, Ollama and internet). If an item says **Problem**, solve that first and choose **Check again**. With **Note** you can continue. Choose **Next**.

Step 3 – Pasting the link text

1. Click in the **Link text** field and paste the link text from step 1 (Ctrl+V).
2. Choose **Next**. The program checks the link text: can the TrevantAI computer be reached, and does the fingerprint match? The link code is not used yet at this point.
3. If a message appears, see "Troubleshooting".

Step 4 – Choosing the preference

Choose when this computer gets the work:

- *This computer first*: choose this if the extra computer is faster than the TrevantAI computer, and also to test the link.
- *When I am sitting at it*: choose this for the computer at which you often work yourself. If you are sitting at it, it computes first; if you work on another computer, it only steps in. TrevantAI recognises this from the network address of the browser and of this computer; that address is not stored anywhere.
- *Only step in* (default): choose this if the extra computer is less powerful than the TrevantAI computer.

Choose **Next**. The preference can always be changed later in TrevantAI, under **Settings > My workstation**.

Step 5 – Installing

1. The **Overview** shows the TrevantAI computer, the preference and what will be put on this computer. Choose **Install**.
2. Windows or Linux asks once for **permission from the administrator**. Give it.
3. The program shows each step with a progress bar: downloading Node.js and, if necessary, Ollama, preparing the agent, linking this computer, starting the agent as a background service and connecting it, and downloading the AI models. Downloading the models (a few gigabytes) takes the longest.
4. **Done** says: "This computer now contributes", with the name of the workstation. With **Open status page** you can see what the agent is doing.

If a model fails (for example because of an interrupted internet connection), the computer is still linked. **Done** names the model; install it later from TrevantAI (see "Everyday use").

If something goes wrong, the program removes what it had already installed and says what went wrong. If it went wrong **after** linking, the link code has already been used: then create a new link text in TrevantAI and revoke the old workstation (Admin > Computing power > **Revoke**).

Step 6 – Checking in TrevantAI

In **Admin > Computing power > Workstations** (the overview refreshes every 15 seconds):

- **Status**: *Online* (green) and *inside the office*. In the Single-user version, "inside the office" means: on the own network.
- **Graphics card**: the card and memory of the extra computer. With a card from another brand, it says "No NVIDIA card reported"; that is not a problem.
- **Models**: the number, and "Same model as the server: …" with the tasks the extra computer can perform.
- Choose **Test**: "… responds within … ms" means that the connection works.

Then ask a question in the TrevantAI chat. If the extra computer does the work, the answer says "Computed on Study desktop" below it (the name of your workstation); if the TrevantAI computer did it, it says "Computed on this computer".

The extra computer itself has the agent's **status page**: `http://localhost:47800`. It shows whether the agent is connected, whether Ollama is running, which models are present and how many requests are running right now (never their content), with the buttons **Pause** and **Resume**. The page can only be opened on that computer itself.

Everyday use

- **No action needed.** The agent and Ollama run as a background service and start automatically with the computer, even when nobody is signed in. If the extra computer is on, it contributes; if it is off, the TrevantAI computer does the work.

- **Sleep mode.** If the extra computer goes to sleep, the connection drops; when it wakes up, the agent reconnects automatically (after a few seconds to a minute). If it should always be available, switch off sleep mode on the extra computer or set it to a longer time.
- **Laptop away from home.** If you take the TrevantAI computer with you (train, hotel), the extra computer is usually not reachable and the laptop does the work itself. This happens automatically.

- **Not contributing for a while (pausing).** If you need the extra computer yourself, pause it. This can be done in three places:

  - in TrevantAI under **Settings > My workstation**: under "How long" choose *1 hour*, *Until tomorrow 07:00* or *Until resumed* and click **Pause**;
  - in TrevantAI under **Admin > Computing power**, button **Configure** at the workstation;
  - on the extra computer itself, on the status page (`http://localhost:47800`), button **Pause**. That pause lasts until you click **Resume** or the agent restarts (for example after a restart of the computer).

  While paused, the extra computer does no AI work; the TrevantAI computer takes over. A question that is already running is still completed. With **Resume** it contributes again.

- **Changing the preference.** Under **Settings > My workstation** (or in **Admin > Computing power**, button **Configure**) choose *This computer first*, *When I am sitting at it* or *Only step in* and click **Save**. If you only tested the extra computer briefly and it is less powerful than the TrevantAI computer, set it back to *Only step in*.

- **When I am sitting at it.** With that preference, **Settings > My workstation** shows "You are now sitting at this computer" as long as TrevantAI recognises you there: you have used TrevantAI in the past ten minutes in the browser on the extra computer itself. If you then work on another computer, the extra computer goes back to only stepping in.
- **Installing a model from TrevantAI.** If you choose a different model in TrevantAI, or a model failed during installation, install it as follows: **Admin > Computing power**, button **Configure** at the workstation, then **Install model**. You can only choose from the models that TrevantAI uses. The status page of the extra computer shows the progress, and you can also stop the installation there. Until the model is there, the extra computer does not perform that task.
- **A model only on the extra computer.** If a large model does not fit on the TrevantAI computer, it can be on the extra computer only. In **Admin > Settings > AI > Local AI models** such a model is marked "on a workstation"; you can choose it there for a task without downloading it to the TrevantAI computer. If the extra computer is off, nobody performs that task, and TrevantAI reports that the model is not on any computer that is currently switched on.
- **The agent updates itself.** If a new version of TrevantAI comes with a new agent, the agent automatically fetches it from the TrevantAI computer, verifies it and restarts. You do not need to do anything; it only happens when the extra computer has nothing to do for a moment.

- **Updating Ollama.** If you update Ollama on the TrevantAI computer, also do so on the extra computer. On Windows, the Ollama installed by the installation program is in `C:\ProgramData\TrevantAI-agent\ollama`. If a new installation program comes with a newer Ollama, it offers the option **Update Ollama from version … to …** on the extra computer; the AI models and the link stay, and if the new version does not start, the previous one is restored automatically. If Ollama is installed separately from TrevantAI (on Linux, or your own installation on Windows), update it via **https://ollama.com/download**.
- **Revoked.** If the workstation has been revoked in TrevantAI, the agent stops and no longer starts automatically. Then disconnect the computer with the installation program (see "Disconnecting the extra computer again"), or link again with a new workstation.

Which documents may go to the extra computer?

Each document shows **Where may the local AI process this document?**, with check boxes. In the Single-user version these are:

- **Central AI server**: this is the TrevantAI computer itself.
- **Own device**: this is the extra computer (your own workstation). With **also outside the office** also when that computer is not on the same network.

By default everything is ticked. If a confidential document should never leave the TrevantAI computer, tick only **Central AI server** (quick choice **Strict**). If you untick everything (**No AI**), the document goes to no language model at all, but can still be found with Search.

If a document may only be processed on the extra computer and that computer is off, TrevantAI says so honestly: "No computer is currently available on which these sources may be processed."

For a question involving several documents, the strictest document applies.

Troubleshooting

Messages from the installation program

What you see	Probable cause	What to do
"This is not a complete link text."	Only part of the text was copied, or the field contains something else	Copy the link text again with the **Copy** button in TrevantAI, and paste it in full.
"The TrevantAI computer … cannot be reached."	The TrevantAI computer is off, the computers are not on the same network, or the name (ending in `.local`) is not found	Switch on the TrevantAI computer and check the network. If the name does not work, replace the name in the link text with the numeric address of the TrevantAI computer (shown in TrevantAI under **Admin > Settings > Other computers > Working on another computer**).
"This address is outside the own network and is not secured (https)."	The link text contains an address outside the own network without HTTPS	Install TrevantAI with the installation program (then the connection is secured), or use an address on the own network.

What you see	Probable cause	What to do
"… the link text has no fingerprint."	TrevantAI was not installed with the installation program, or the link text has been shortened	Create a new link text in TrevantAI. Without TrevantAI's own security: follow the **Appendix**.
"Warning: … does not have the security from the link text."	A computer other than the TrevantAI computer is answering, or the link text is damaged	Copy the link text again from TrevantAI. If this happens again, do not link and ask for help: another device on the network may be pretending to be the TrevantAI computer.
"This computer already contributes to TrevantAI."	The agent has already been installed on this computer	Nothing to do: the computer is already contributing. If you want to link again, first disconnect the computer (see "Disconnecting the extra computer again").
"The link code in the link text is unknown, expired or already used."	The link text is older than 7 days, or has already been used	In TrevantAI, choose **New code** at the workstation, or create a new workstation, and use the new link text.
"Too many failed attempts."	After several wrong link codes, TrevantAI waits for a while	Try again in a quarter of an hour, with a new link text.
"The agent does not connect to the TrevantAI computer."	Linking succeeded, but the agent cannot get in afterwards, for example because the TrevantAI computer was just switched off	The link code has already been used. Create a new link text, revoke the old workstation and try again. If it keeps failing, include the log when you ask for help.
"TrevantAI cannot be installed without permission from the administrator."	The request for permission was refused or closed	Choose **Try again** and give permission. On a work computer, this sometimes requires the IT department.
"Not all AI models were downloaded" on **Done**	Interrupted internet connection or too little disk space	The computer is linked. Install the model later from TrevantAI (**Configure > Install model**).

The installation program writes a **log**: if an error occurs, the screen says where it is. It contains no passwords and no link code.

After installation

What you see	Probable cause	What to do
Status **Offline** in TrevantAI	The extra computer is off or asleep, or not on the network	Switch on the computer. The agent reconnects automatically.
Server model missing: …	That model is not on the extra computer	**Configure > Install model** in Admin > Computing power.
"The model … is not on any computer that is currently switched on."	The model for this task is only on a workstation that is currently off	Switch on the workstation, or install the model on the TrevantAI computer (Admin > Settings > AI > Local AI models).

What you see	Probable cause	What to do
Status **Paused** in TrevantAI	The workstation has been paused, in TrevantAI or on the status page	**Resume** in Settings > My workstation, or on `http://localhost:47800` on the extra computer.
`http://localhost:47800` does not open	The agent is not running	Restart the extra computer. If that does not help: Windows: open **Services** (Windows key, type `services.msc`) and start **TrevantAI-agent**; Linux: `sudo systemctl restart trevantai-agent`.
Online, but the work still goes to the TrevantAI computer	The preference is set to *Only step in* (or to *When I am sitting at it* while you work elsewhere), the extra computer is busy or lacks the model, or the document may only be processed on the central server	Under **Configure**, choose the preference *This computer first*; look at "Same model as the server" and at the document's check boxes.
When I am sitting at it does not work: "You are now sitting at this computer" does not appear	TrevantAI sees the browser and the agent with a different network address, for example because of a VPN on the extra computer	Choose *This computer first* while you use a VPN.
Status **Revoked**, or the agent stops	The workstation has been revoked	Disconnect the computer (see "Disconnecting the extra computer again") and link again with a new workstation.
Answers are slower than on the TrevantAI computer	The model does not fit into the graphics card of the extra computer	Choose *Only step in*, use a computer with more video memory, or revoke the workstation.

Security and privacy

- The agent itself makes an **outgoing** connection to TrevantAI. No port is open on the extra computer; Ollama and the status page can only be reached from that computer itself.
- The connection is **encrypted**. The agent only trusts the TrevantAI computer with the **fingerprint** from the link text; another device pretending to be the TrevantAI computer is refused.
- The agent does **only** two things: having text produced and requesting the list of models (and, at the administrator's request, installing a model). It refuses everything else.
- The agent **stores nothing**: no questions, no answers, no log with content. A question is only held briefly in the memory of the extra computer while it is being answered.
- The agent runs as a **background service** with its own, restricted account (Linux: the user `trevantai-agent`; Windows: a service).
- Of the link code and the key, TrevantAI only stores an irreversible fingerprint (hash). The key itself is only on the extra computer, in `agent.json`: Windows `C:\ProgramData\TrevantAI-agent`, Linux `/opt/trevantai-agent`. Only the service and administrators can read the file.

- Creating, linking, revoking and attempts with an unknown key are recorded in the TrevantAI security log.
- Outside the own network, the agent only connects via HTTPS.

Disconnecting the extra computer again

With the installation program, on the extra computer:

1. Start the installation program. It sees that this computer contributes computing power. Choose **Disconnect this computer** and **Next**.
2. On **Windows** there is the check box **Keep the AI models** (ticked by default). TrevantAI's Ollama is removed, but the models (often several gigabytes) stay; if the computer contributes again later, they do not need to be downloaded again. On **Linux**, Ollama and the models stay installed (system software).
3. Choose **Disconnect** and give permission from the administrator.

The program stops the agent, **signs the workstation off** from TrevantAI (TrevantAI then shows it as *Revoked*, and the security log records "disconnected with the installation program") and removes the agent with its key.

If the TrevantAI computer cannot be reached at that moment, disconnecting still goes ahead. **Done** then asks you to revoke the workstation yourself: in TrevantAI, **Admin > Computing power > Workstations** > **Revoke** at the workstation.

Only revoking in TrevantAI (without the installation program) is also possible: the connection is then closed immediately and the agent stops, but it stays on the extra computer until you disconnect it with the installation program.

You can always let the computer contribute again later: create a new link text in TrevantAI and follow the steps from step 1.

Appendix – Linking by hand (also for macOS)

Use this appendix if the installation program cannot be used: on a Mac, or if you want to do everything yourself. The agent then runs under your own user account.

B1. Making the TrevantAI computer reachable

If TrevantAI was installed with the installation program, skip this step: the connection is secured and the firewall is set correctly.

Otherwise the agent connects to `http://` + the network address of the TrevantAI computer + `:3001`, for example `http://192.168.1.20:3001`.

The network address. TrevantAI already puts it in the link text (B4). You can also look it up yourself:

- **Windows**: press the Windows key, type `cmd` and press Enter. Type `ipconfig` and press Enter. For the active connection (Ethernet or Wi-Fi), look for the line **IPv4 Address**, for example `192.168.1.20`.

- **macOS**: System Settings > Network > the active connection (Wi-Fi or Ethernet) > Details. The **IP address** is shown there.
- **Linux**: open a terminal and type `hostname -I`. The first address starting with 192.168., 10. or 172. is usually the right one.

An address can change after the router restarts. Set a fixed address for the TrevantAI computer in the router ("DHCP reservation"), or link again if the address changes.

The firewall on the TrevantAI computer:

- **Windows**: right-click Start, choose **Terminal (Admin)** and run:

  ```
  New-NetFirewallRule -DisplayName "TrevantAI" -Direction Inbound -Protocol TCP -Local
  Port 3001 -Action Allow -Profile Private
  ```

  Also check that the network is set to **Private** (Settings > Network & internet > the connection > Network profile type: Private).

- **macOS**: if the firewall is on, macOS asks the first time whether "node" may receive incoming connections. Choose **Allow**.

- **Linux** (with ufw): `sudo ufw allow from 192.168.0.0/16 to any port 3001 proto tcp`

Checking: on the extra computer, open the address in the browser with `/instellingen/publiek` added, for example `http://192.168.1.20:3001/instellingen/publiek`. If you see a line of text starting with `{`, TrevantAI is reachable.

For advanced users: if the TrevantAI file `backend/.env` contains the line `LUISTER_ADRES=127.0.0.1`, TrevantAI only listens to its own computer. Remove that line and restart TrevantAI.

B2. Installing Ollama on the extra computer

1. On the extra computer, go to **https://ollama.com/download**.
2. Choose your operating system:
   - **Windows**: download `OllamaSetup.exe`, open the file and follow the steps.
   - **macOS**: download the file, open it and drag Ollama into the Applications folder. Start Ollama once from Applications.
   - **Linux**: open a terminal and run: `curl -fsSL https://ollama.com/install.sh | sh`
3. Check in a command window (Windows: Windows key, `cmd`, Enter; macOS: Terminal; Linux: a terminal): `ollama --version`. A version number appears.

By default, Ollama only listens to its own computer. That is how it should be: do not change it.

B3. Installing the same models

The models are listed on the TrevantAI computer in **Admin > Settings > AI > Local AI models**, per task. Install each of them on the extra computer:

```
ollama pull ministral-3:8b
```

(replace the name with the name from TrevantAI, exactly, including everything after the colon). The model for the search index (`nomic-embed-text`) is not needed. Check with `ollama list`. A missing model can also be installed later from TrevantAI (**Configure > Install model**).

B4. Creating a link text and downloading the agent

On the TrevantAI computer:

1. Create a link text as in **step 1** (Admin > Computing power, name, **Create link code**). Under **Without the installation program:** is the command for the agent, with the link text in it.
2. Choose **Copy** next to that command, and put it in a text file.
3. Choose **Download agent**. You receive the file `trevantai-agent.js`.
4. Put both files on the extra computer, in a folder of their own:
   - Windows: `C:\TrevantAI-agent`
   - macOS and Linux: a folder `trevantai-agent` in your home folder

B5. Installing Node.js on the extra computer

1. Go to **https://nodejs.org** and download the **LTS** version (22 or higher).
2. Install: on Windows the `.msi` file, on macOS the `.pkg` file (the default settings are fine); on Linux follow the instructions on nodejs.org under "Package manager".
3. Check in a **new** command window: `node --version`. The number must start with `v22` or higher.

B6. Linking the extra computer

1. Open a command window **in the agent's folder**:
   - **Windows**: open the folder `C:\TrevantAI-agent` in File Explorer, click in the address bar, type `cmd` and press Enter.
   - **macOS** and **Linux**: in Terminal, type `cd ~/trevantai-agent` and press Enter.

2. Paste the command from B4, for example:

   ```
   node trevantai-agent.js --koppel "https://studeerkamer-pc.local:3001/api#koppelcode=XMYU-XZVS-FX8C&uitgever=…"
   ```

   and press Enter. Put the link text in quotation marks.

3. If all goes well, you will see, among other things:

   ```
   Linked as workstation "Study desktop". The key is stored in ...
   Connected to TrevantAI as "Study desktop" (inside the office).
   ```

The key is now stored in `.trevantai-agent.json` in your user folder, and the fingerprint of the TrevantAI computer in `.trevantai-agent-uitgever.pem` next to it. The link code no longer works.

4. As long as this window is open, the computer contributes.

The agent reports in the language of the computer; you choose a different language with `--taal en` (or `nl`, `de`, `fr`, `es`, `it`, `pt`). From now on, you start the agent with just:

```
node trevantai-agent.js
```

B7. Checking and choosing the preference

Check in TrevantAI as in **step 6**. Then choose **Configure** at the workstation and under **Preference for the owner's own work** one of the three options from **step 4**, and click **Save**. While the extra computer is doing work, the agent window shows lines such as `Request /api/generate started` and `… finished (2.1 s)`.

B8. Starting the agent automatically

Without this step, after every restart you have to type `node trevantai-agent.js`.

Windows

1. Open Notepad and put in it:

   ```
   @echo off
   cd /d C:\TrevantAI-agent
   node trevantai-agent.js
   ```

2. Choose **File > Save as**, under "Save as type" choose **All files**, and save it as `C:\TrevantAI-agent\start-agent.cmd`.

3. Press **Windows key + R**, type `shell:startup` and press Enter.
4. Drag `start-agent.cmd` with the **right mouse button** into the Startup folder and choose **Create shortcuts here**.
5. If you do not want to see the window: right-click the shortcut > **Properties** > under **Run** choose **Minimized**.

The agent now starts after signing in to Windows.

macOS

1. Look up where Node.js is: type `which node` in Terminal (for example `/usr/local/bin/node`).

2. Create the file: `nano ~/Library/LaunchAgents/nl.trevantai.agent.plist` and paste into it (replace `USER` with your user name and the path to node with what `which node` returned):

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/Prop
ertyList-1.0.dtd">
<plist version="1.0">
<dict>
  <key>Label</key><string>nl.trevantai.agent</string>
  <key>ProgramArguments</key>
  <array>
    <string>/usr/local/bin/node</string>
    <string>/Users/USER/trevantai-agent/trevantai-agent.js</string>
  </array>
  <key>RunAtLoad</key><true/>
  <key>StandardOutPath</key><string>/Users/USER/trevantai-agent/agent.log</string>
  <key>StandardErrorPath</key><string>/Users/USER/trevantai-agent/agent.log</string>
</dict>
</plist>
```

Save with **Control + O**, Enter, and close with **Control + X**.

3. Activate: `launchctl load ~/Library/LaunchAgents/nl.trevantai.agent.plist`

Messages (no questions or answers) are written to `~/trevantai-agent/agent.log`. To stop: `launchctl unload ~/Library/LaunchAgents/nl.trevantai.agent.plist`.

Linux

1. Look up where Node.js is: `which node` (for example `/usr/bin/node`).
2. Create the file: `mkdir -p ~/.config/systemd/user && nano ~/.config/systemd/user/trevantai-agent.service` and paste into it (adjust the path to node if it is different):

```
[Unit]
Description=TrevantAI-agent
After=network-online.target

[Service]
ExecStart=/usr/bin/node %h/trevantai-agent/trevantai-agent.js
WorkingDirectory=%h/trevantai-agent
Restart=on-failure
RestartSec=30
RestartPreventExitStatus=2 3

[Install]
WantedBy=default.target
```

3. Activate: `systemctl --user daemon-reload && systemctl --user enable --now trevantai-agent`

4. Also when nobody is signed in: `sudo loginctl enable-linger $USER`

Messages: `journalctl --user -u trevantai-agent -f`. To stop: `systemctl --user disable --now trevantai-agent`.

Why not always restart? If the workstation is revoked, or TrevantAI no longer recognises the key, the agent deliberately stops (with code 2 or 3). It should then not keep trying again.

Disconnecting with this method: revoke the workstation (see above), switch off automatic starting (shortcut out of the Startup folder, `launchctl unload …` or `systemctl --user disable --now trevantai-agent`) and delete `.trevantai-agent.json`, `.trevantai-agent-uitgever.pem` and the agent's folder.

Problems with this method

What you see	What to do
`TrevantAI cannot be reached at …`	Check B1 in the browser of the extra computer: address, firewall rule, network set to Private.
`This agent requires Node.js 22 or later.` or `'node' is not recognized`	Install Node.js (B5) and open a new command window.
`Ollama cannot be reached at http://127.0.0.1:11434.`	Start Ollama (Windows: Start menu > Ollama). The agent tries again automatically.
`http://localhost:47800` does not open	The agent is not running, or the port is in use (message in the agent window); in that case choose, for example, `--status-poort 47801`.
`TrevantAI does not (or no longer) recognise this key.`	The workstation has been revoked: create a new link text and link again (B6).

Terms

Term	Meaning
TrevantAI computer	The computer on which TrevantAI runs. In the choice per document it is called "Central AI server".
Extra computer / workstation	The computer that contributes computing power. For you, this is the "Own device".
Installation program	The TrevantAI program with which you install TrevantAI or let a computer contribute computing power.
Ollama	The program that runs the language model on a computer.
Model	The language model, for example `ministral-3:8b`. The extra computer uses exactly the same model as TrevantAI.
Agent	The program on the extra computer that connects to TrevantAI (`trevantai-agent.js`).
Background service	A program that starts with the computer and keeps running, even when nobody is signed in.
Link text	One line from TrevantAI with the address, the link code and the fingerprint; you paste it into the installation program.

Term	Meaning
Link code	Single-use code (valid for 7 days) in the link text.
Fingerprint	Characteristic of the TrevantAI computer's security; it lets the extra computer recognise the real TrevantAI computer.
Key	The agent's permanent access after linking; stored in `agent.json` (or `.trevantai-agent.json` with the Appendix).
Preference	Where the owner's AI work goes first: *This computer first*, *When I am sitting at it* or *Only step in*.
Network address	The address of a computer on the own network, for example `192.168.1.20`.
Inside the office	In the Single-user version: on the own network.
Status page	The page `http://localhost:47800` on the extra computer, showing the state of the agent and the buttons Pause and Resume.
Pause	Temporarily no AI work on the extra computer; the TrevantAI computer takes over.