

Installing LaBB-CAT

LaBB-CAT is a web-browser based application, and is primarily designed to run on a central web server accessible over the internet, so that multiple collaborators can easily work on the same corpus data from different locations.

However, it is possible to have a ‘private’ installation of LaBB-CAT which runs directly on your personal computer. These instructions explain how to achieve that.

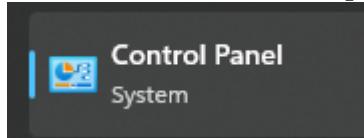


On Windows, before you can install LaBB-CAT, you first must have Java installed.

1. Check Java

Use the following steps to check whether you already have Java installed.

1. Press the Start menu button.
2. Type Control Panel
3. Select the *Control Panel* option that appears.



4. Type Java

If a *Java* icon appears as shown in Figure 1, then you already have Java, and can skip section 2.

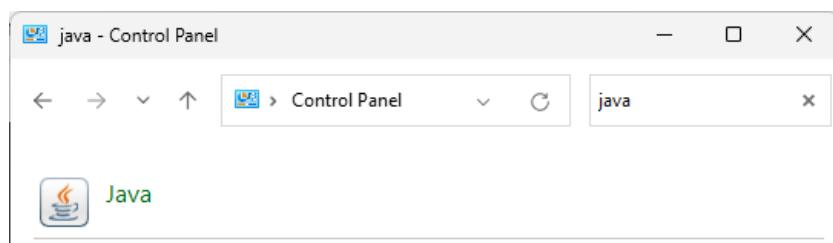


Figure 1: Java in the Control Panel

If there’s no *Java* icon in the Control Panel, follow the steps in the next section to install it.

2. Install Java

1. Open the Java website in your browser:
<https://www.java.com/>
2. Press the *Download Java* button.
3. Press the *Download Java* button on the next page and save the resulting installer file.
4. Click the installer to run it.



Figure 2: The Java installer

5. Press *Install*.

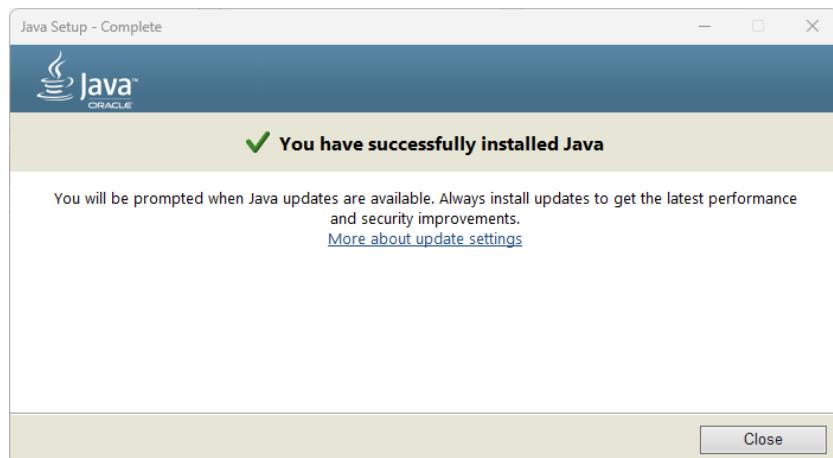


Figure 3: Java installation is complete

6. Press *Close*.

3. Install LaBB-CAT

Once Java is installed, you can install LaBB-CAT:

- (1) Open the following page in your web browser:
<https://sourceforge.net/projects/labbcat/files/install/>
This page has all versions of the LaBB-CAT installer, both for personal computer installations
and also for web-server installations. The files are listed most recent first.
- (2) Download the first file named *install-labbcat_yyyymmdd.jar* (where *yyyymmdd* are numbers).
- (3) Double-click on the file you just downloaded to open it.

You should see the LaBB-CAT installer program (Figure 4).

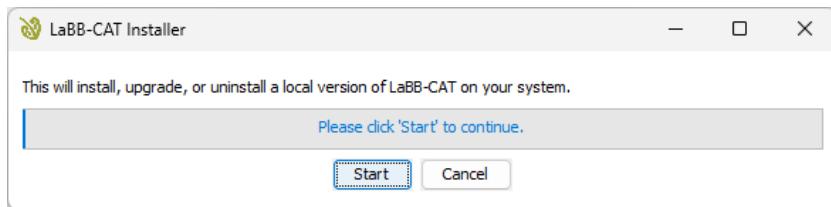


Figure 4: LaBB-CAT Installer

- (4) Press *Start*.

You should see a progress bar while components are installed and files are copied.

Once the installation is finished, the progress bar will be all blue, and there will be a button labelled *Finished* (Figure 15).

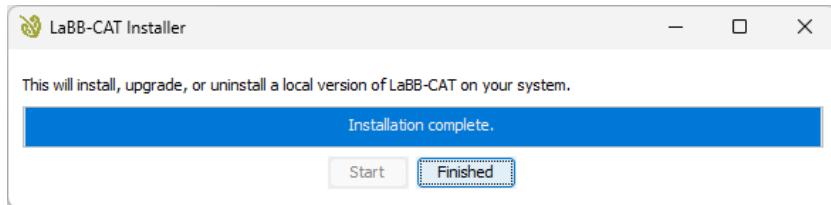


Figure 5: Installer finished

- (5) Press *Finished*.

The LaBB-CAT Server application will appear, as shown in Figure 6.

Then your default web browser will open on your LaBB-CAT home page, as shown in Figure 7.



Figure 6: LaBB-CAT Server

A screenshot of a web browser window displaying the LaBB-CAT license page. The browser bar shows the URL "localhost:64631/license?next=/index". The page content includes a navigation menu with links like "home", "search", "upload", "participants", "transcripts", "dictionaries", "layer managers", "utilities", "documentation", "corpora", "transcript types", "transcript attributes", "participant attributes", "projects", "elicitation tasks", "episode organiser", "media tracks", "word layers", "segment layers", "phrase layers", "span layers", "text conversions", "converters", "dashboard", "system attributes", and "activity". Below the menu, the text "LaBB-CAT" is displayed. A section titled "GNU AFFERO GENERAL PUBLIC LICENSE Version 3, 19 November 2007" is shown, with a "Edit" button next to it. The text of the license follows, starting with "Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org>". The page also features a decorative green and yellow floral graphic in the bottom right corner.

Figure 7: LaBB-CAT is successfully installed and running

(6) If you are shown the LaBB-CAT Licence page, scroll to the bottom and press *I Agree*.

As seen in Figure 8, in your Start Menu, you will see that there is a LaBB-CAT app that can be used to start and access LaBB-CAT from now on.

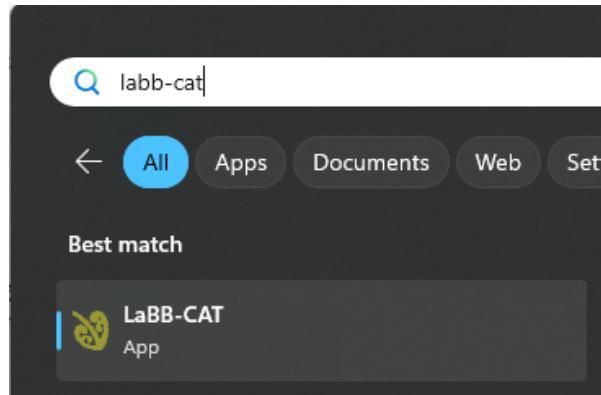


Figure 8: Use Start/LaBB-CAT to open LaBB-CAT

This starts the LaBB-CAT Server app (Figure 6), which must be running when you're using LaBB-CAT. It can be closed once you've finished working with LaBB-CAT.



! Important

LaBB-CAT can only be installed on newer M-series Macs.
These instructions will not work for older Intel-based Macs. Sorry!

On OS X, there are two prerequisites that must be installed before you can install LaBB-CAT:

1. Homebrew
2. Java

You may already have one or other of these installed; if so, you can skip the corresponding section below.

1. Install Homebrew

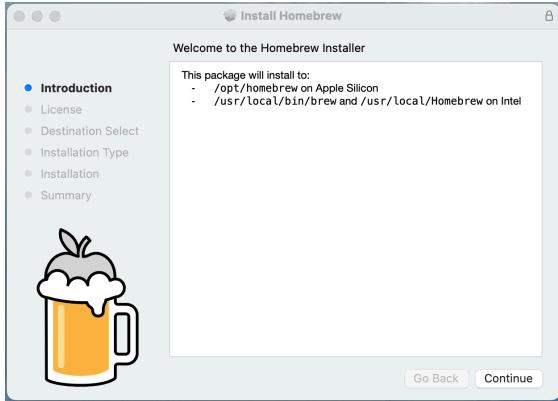
Homebrew is a ‘package manager’ for Mac computers, which allows you to install other programmes, including Java.

1. Open the following page in your web browser:
<https://github.com/Homebrew/brew/releases/latest>
2. Scroll down to the *Assets* section.

A screenshot of a GitHub page showing the 'Assets' section for Homebrew version 4.4.0. It lists three download options: 'Homebrew-4.4.0.pkg', 'Source code (zip)', and 'Source code (tar.gz)'. The 'Homebrew-4.4.0.pkg' link is highlighted.

Homebrew-4.4.0.pkg
Source code (zip)
Source code (tar.gz)

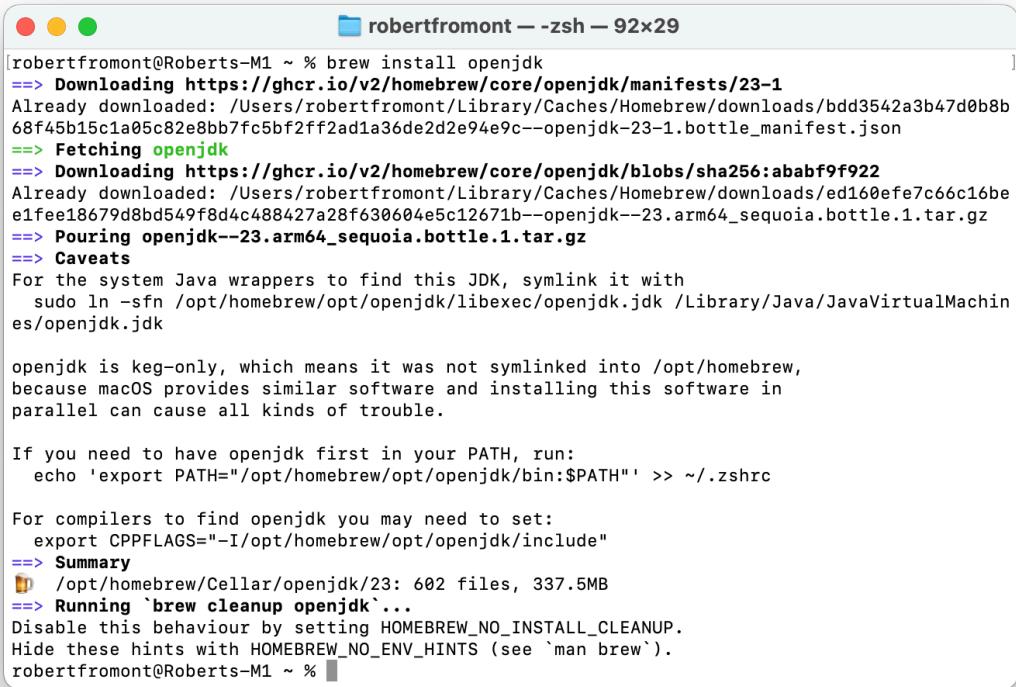
3. Click the file called *Homebrew-n.n.n.pkg* (where *n.n.n* is the version number) to download the file.
4. Once the file has been downloaded, double-click on it to run the installer.



5. Click *Continue*, *Continue*, *Agree* and *Install* to complete the installation.

2. Install Java

1. Open *Launchpad* and type Terminal.
2. Double click *Terminal* to open a command shell.
3. Type in the following command:
`brew install openjdk`
4. Press the return key on your keyboard to enter the command.
Some text will appear in the *Terminal* window while Homebrew downloads everything it needs to install Java
Once it's finished, you'll see the % shell prompt again.



```
[robertfromont@Roberts-M1 ~ % brew install openjdk
==> Downloading https://ghcr.io/v2/homebrew/core/openjdk/manifests/23-1
Already downloaded: /Users/robertfromont/Library/Caches/Homebrew/downloads/bdd3542a3b47d0b8b68f45b15c1a05c82e8bb7fc5bf2ff2ad1a36de2d2e94e9c--openjdk--23-1.bottle_manifest.json
==> Fetching openjdk
==> Downloading https://ghcr.io/v2/homebrew/core/openjdk/blobs/sha256:ababf9f922
Already downloaded: /Users/robertfromont/Library/Caches/Homebrew/downloads/ed160efe7c66c16be1fee18679d8bd549f8d4c488427a28f630604e5c12671b--openjdk--23.arm64_sequoia.bottle.1.tar.gz
==> Pouring openjdk--23.arm64_sequoia.bottle.1.tar.gz
==> Caveats
For the system Java wrappers to find this JDK, symlink it with
  sudo ln -sf /opt/homebrew/opt/openjdk/libexec/openjdk.jdk /Library/Java/JavaVirtualMachines/openjdk.jdk

openjdk is keg-only, which means it was not symlinked into /opt/homebrew,
because macOS provides similar software and installing this software in
parallel can cause all kinds of trouble.

If you need to have openjdk first in your PATH, run:
  echo 'export PATH="/opt/homebrew/opt/openjdk/bin:$PATH"' >> ~/.zshrc

For compilers to find openjdk you may need to set:
  export CPPFLAGS="-I/opt/homebrew/opt/openjdk/include"
==> Summary
🍺 /opt/homebrew/Cellar/openjdk/23: 602 files, 337.5MB
==> Running 'brew cleanup openjdk'...
Disable this behaviour by setting HOMEBREW_NO_INSTALL_CLEANUP.
Hide these hints with HOMEBREW_NO_ENV_HINTS (see `man brew`).
robertfromont@Roberts-M1 ~ %
```

Figure 9: brew install openjdk

3. Install LaBB-CAT

Once Homebrew and Java are installed, you can install LaBB-CAT:

- (7) Open the following page in your web browser:
<https://sourceforge.net/projects/labbcat/files/install/>
This page has all versions of the LaBB-CAT installer, both for personal computer installations
and also for web-server installations. The files are listed most recent first.
- (8) Download the first file named *install-labbcat_yyyymmdd.jar* (where *yyyymmdd* are numbers).
- (9) Double-click on the file you just downloaded to open it.
Most likely you will see a message that the file was “Not Opened” as shown in Figure 10.



Figure 10: *install-labbcat...jar* Not Opened

- (10) Go to the Apple menu and select *System Settings*.
- (11) Select the section labelled *Privacy and Security*.
- (12) Scroll to the bottom and under the **Security** heading you will see a message saying that *install-labbcat_yyyymmdd.jar* “was blocked to protect your Mac.” as shown in Figure 11
- (13) Press *Open Anyway*.
You will see another warning message as shown in Figure 12

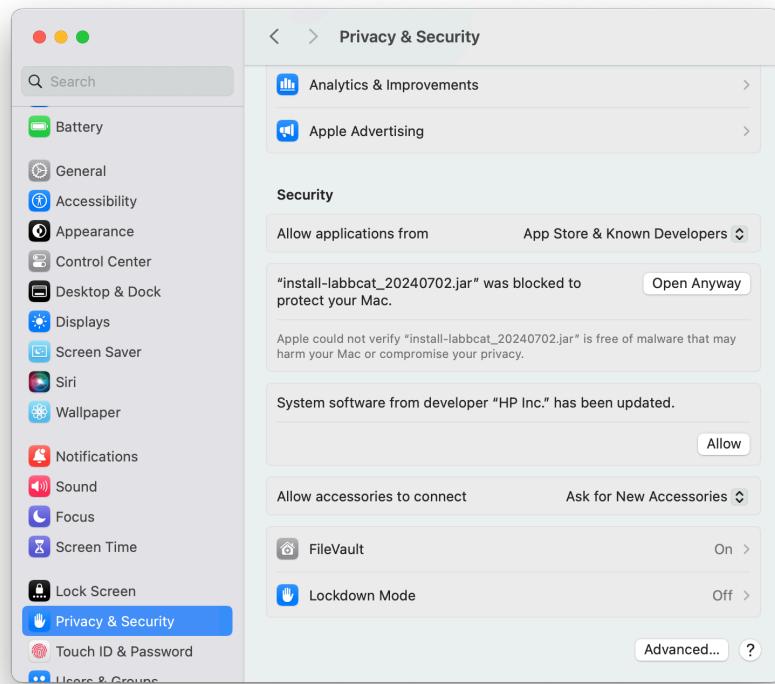


Figure 11: Privacy and Security: Open Anyway



Figure 12: Open Anyway (again)

(14) Press *Open Anyway*.

You may see a request for Java to access your Downloads folder like in Figure 13.



Figure 13: Allow Java access to Downloads

(15) If so, press *Allow*.

You should see the LaBB-CAT installer program (Figure 14).

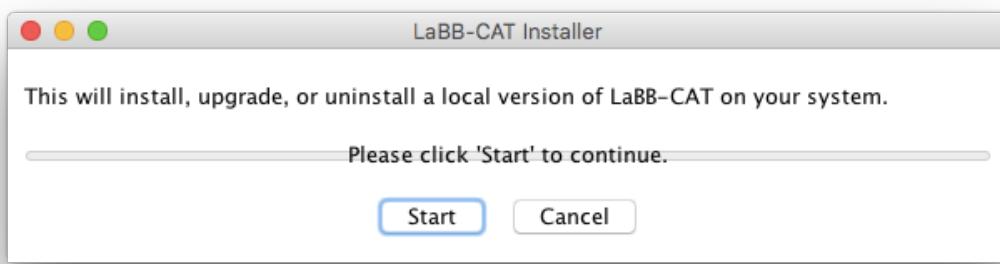


Figure 14: LaBB-CAT Installer

(16) Press *Start*.

You should see a progress bar while components are installed and files are copied.

Once the installation is finished, the progress bar will be all blue, and there will be a button labelled *Finished* (Figure 15).

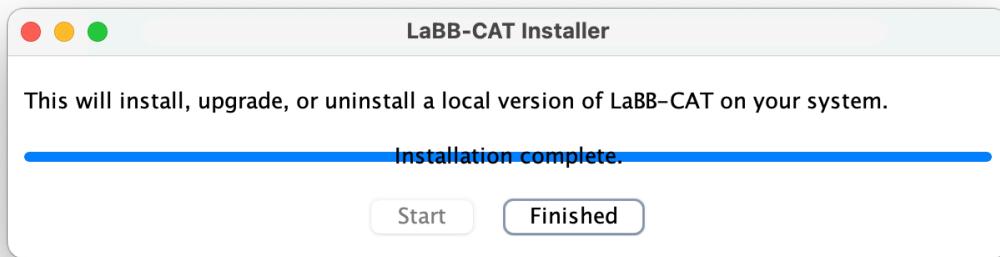


Figure 15: Installer finished

(17) Press *Finished*.

Your default web browser will open on your LaBB-CAT home page, as shown in Figure 16.

(18) If you are shown the LaBB-CAT Licence page, scroll to the bottom and press *I Agree*.

As seen in Figure 17, in your *Applications* folder, you will see that there is a LaBB-CAT entry that can be used to access LaBB-CAT from now on.

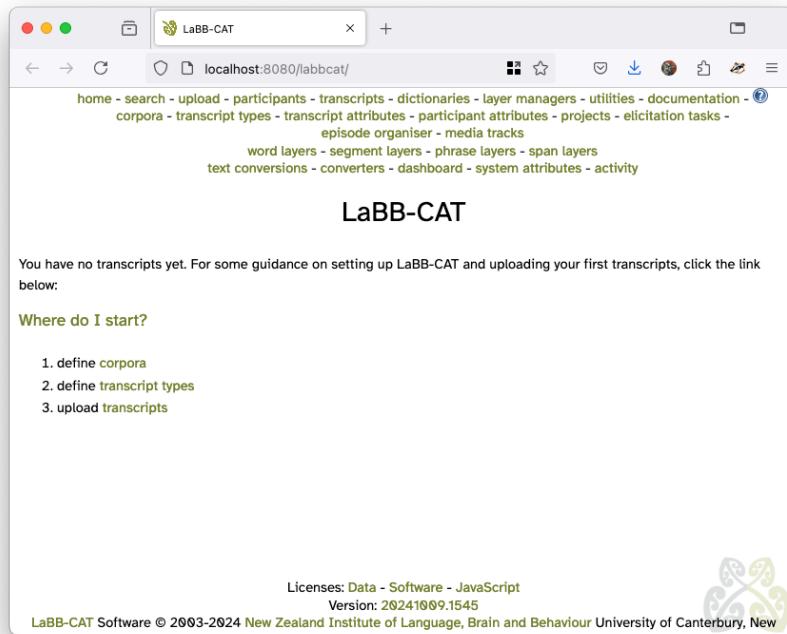


Figure 16: LaBB-CAT is successfully installed and running

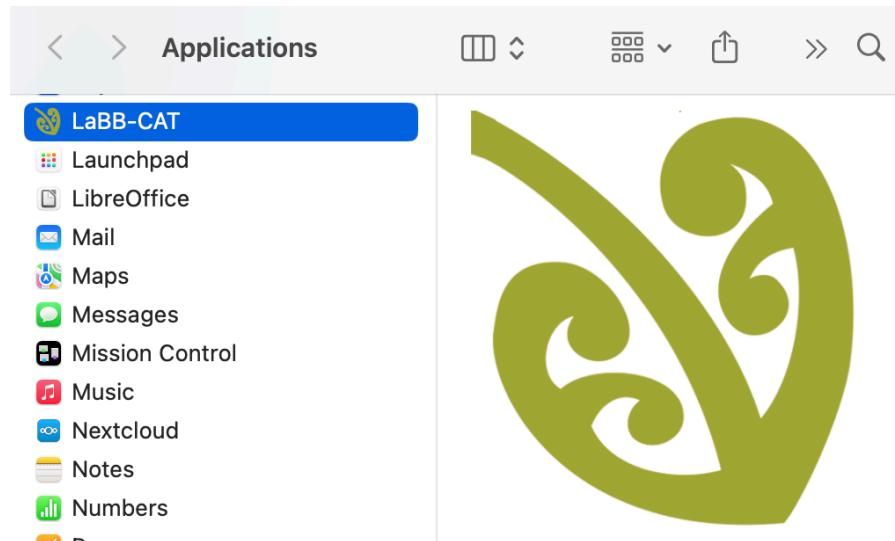


Figure 17: Use Applications/LaBB-CAT to open LaBB-CAT

Uninstalling LaBB-CAT

In future you may want to uninstall LaBB-CAT, in which case you can use the same installer you used to install it.

If you run *install-labbcat_yyyymmdd.jar* and LaBB-CAT is already installed, after pressing *Start* it will offer further options.

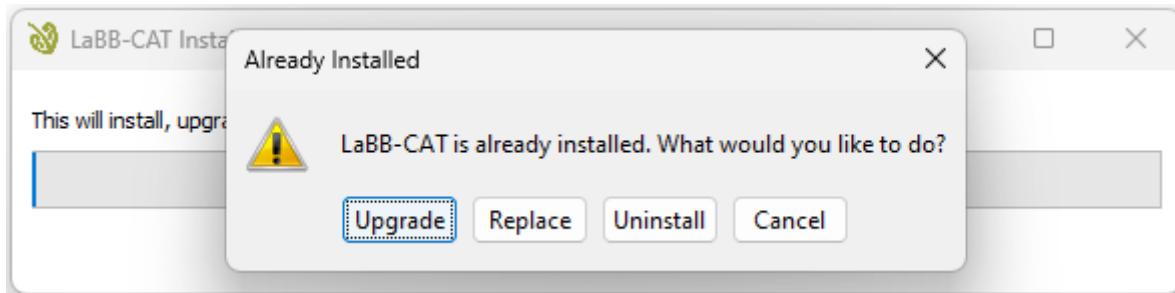


Figure 18: Running *install-labbcat_yyyymmdd.jar* when LaBB-CAT is already installed

The options are:

- **Upgrade** – Install this version of LaBB-CAT, keeping all your corpus data intact.
- **Replace** – Install LaBB-CAT afresh, deleting all your existing corpus data and leaving you with an empty LaBB-CAT installation.
- **Uninstall** – Remove LaBB-CAT from your personal computer.
- **Cancel** – Close the installer without taking any action.