## **Installing Praat Browser Integration**

When you are browsing a LaBB-CAT corpus (either installed on your own computer or on a server), the transcript page can integrate directly with Praat so that you can open utterance in Praat directly from your browser.

### Important

LaBB-CAT's browser integration with Praat currently **does not work** with *Safari*, so if you're using a Mac, ensure you try the steps below in Google Chrome, Microsoft Edge, or Mozilla Firefox.

In order for this to work, you need some software installed on your local computer:

### 1. Install Praat

If you don't already have Praat, or you have a version older than 6.2.05, download and install Praat from the Praat website:

## http://praat.org

### 2. Install Java if it's not already installed

Java may already be installed on you system. The steps for discovering if Java is already installed, and how to install it if it's not, depend on your operating system:



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.

Java Setup - Welcome				- 0	×
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Th This version of th Commercial use Click Install to ac No personal info	e terms under which this ver Updat le Java Runtime is licensed of of this software requires a cept the license agreement prmation is gathered as par	sion of the software is lici ed License Agreement only for your personal (no use. separate license from Ora and install Java now or cli system. t of our install process. <u>D</u>	ensed have changed. In-commercial) deskto acle or from your soft ck Remove to uninsta etails on the informati	op and laptop ware vendor. Il it from your ion we collect	
Change destination	ı folder		Install	Remov	e
	Figure 2:	The Java inst	aller		
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Java Setup - Complete				- 0	$\times$
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# Figure 3: Java installation is complete

Close

✓ You have successfully installed Java

You will be prompted when Java updates are available. Always install updates to get the latest performance and security improvements. <u>More about update settings</u>

6. Press Close.

5.



#### Important

These instructions are for newer M-series Macs, and will not work for older Intel-based Macs. Sorry!

On OS X, there are a various ways to install Java. You can try the Java website in your browser: https://www.java.com/

Or you can use the 'Homebrew' package management system.

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 programes, 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.
  - Assets 3

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

- I. Open Launchpad and type Terminal.
- 2. Double click *Terminal* to open a command shell.
- 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 — -zsh — 92×29 [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/bdd3542a3b47d0b8b 68f45b15c1a05c82e8bb7fc5bf2ff2ad1a36de2d2e94e9c--openjdk-23-1.bottle\_manifest.json ==> Fetching openjdk ==> Downloading https://ghcr.io/v2/homebrew/core/openjdk/blobs/sha256:ababf9f922  ${\tt Already\ downloaded:\ /Users/robertfromont/Library/Caches/Homebrew/downloads/ed160efe7c66c16be}$ e1fee18679d8bd549f8d4c488427a28f630604e5c12671b--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 -sfn /opt/homebrew/opt/openjdk/libexec/openjdk.jdk /Library/Java/JavaVirtualMachin es/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 4: brew install openjdk

#### 3. Install the Praat Integration browser extension

1. In LaBB-CAT, open any transcript.

- 2. On the top-right of the transcript page, above the playback controls, there's a Praat icon Solution click it.
- 3. Follow the instructions that appear (these vary depending on what web browser you use).

You may need to grant a browser extension permission to install, and it's possible you will need a connection to the internet in order to download this extension.

## 4. Install the Praat Messaging Host

- 1. Once you've installed the browser extension, return to the transcript page.
- 2. Press *OK* on the message that appears, to reload the page.
- 3. Click on any line, and select the 'Open Text Grid in Praat' option on the menu.

You will see a page with three-step instructions for finishing the Praat integration.

Assuming you already have Praat and Java installed, you just have to do the third step. i.e. download and run a program called "install-jsendpraat.jar".

- 4. Click the *install-jsendpraat.jar* link, save the resulting file.
- 5. Double-click the program you just saved.
- 6. On the window that appears, press the *Install* button.



If so:

- a. Press Done.
- b. Click the Apple icon on the top left corner of the screen to open the menu.
- c. Select System Settings...
- d. On the left hand side, select the *Privacy and Security* option.
- e. Scroll to the bottom of the page. Under *Security* you should seem a message saying *"install-sendpraat.jar" was blocked to protect your Mac*

•••	< > Privacy & Security			
Q Search				
Hothorions	Security			
🐠 Sound	Allow applications from App Store & Known Developers 🗘			
C Focus				
Screen Time	"install-jsendpraat.jar" was blocked to protect Open Anyway your Mac.			
Lock Screen	Apple could not verify "install-jsendpraat.jar" is free of malware that may harm your			
🕛 Privacy & Security	Mac or compromise your privacy.			
Mouch ID & Password	Some system software requires your attention before it can be used.			
😕 Users & Groups	Dataila			
Internet Accounts	Details			
Game Center	Allow accessories to connect Ask for New Accessories 🗘			
iCloud				
Wallet & Apple Pay	Image: Second secon			
🥅 Keyboard	Lockdown Mode Off >			
💽 Trackpad				
Printers & Scanners	Advanced ?			

f. Press *Open Anyway* You will see a warning message:

?
Open "install-jsendpraat.jar"?
Apple is not able to verify that it is free from malware that could harm your Mac or compromise your privacy. Don't open this unless you are certain it is from a trustworthy source.
Move to Trash
Open Anyway
Done

g. Press *Open Anyway* You may see a further prompt to allow this:

Privacy & Security
You are attempting to open an app that may cause harm to your Mac or compromise your privacy
An administrator's Touch ID or enter an administrator's password to allow this.
Use Password
Cancel
Finally you should see the installer open:
Install Praat Messaging Host
This will install support for interacting with Praat directly from your web browser. Please click 'Install' to continue.
0%
Install Uninstall Cancel Then you can press <i>Install</i> .

- 7. You also may be asked where Praat is installed; Navigate to the location where Praat is installed, and double-click the "Praat.exe" file (on some systems the file may simply be called "Praat"). The Praat program may open, and then immediately close, as LaBB-CAT tests it can communicate with Praat.
- 8. Close the instructions page.

If in doubt, check the ⑦ online help on the transcript page; it has a section explaining how to set up Praat integration on various browsers and operating systems.

Now Praat integration has been set up, and you should be able to access Praat options in the transcript page from now on...