

Zoom Autojoiner Gui

User Manual



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# Introduction

TL;DR A tool to join Zoom meetings quickly. Comes with a GUI. Prior configuration needed.

## Goals

* To serve as a meeting notice board (see Todo)
* To remind that it is time to join a meeting
* To aid in typing long meeting IDs and passcodes

## Use Scenario

You are working on an assignment, and you are so focused that you forget that your meeting is now. When you realise that you had the meeting, you open WhatsApp Web to get the passcode and ID. It takes 10 minutes to load, only to show you that it can't connect to the phone. Now you scramble about for your cell phone. You are furious as Fingerprint Unlock fails. Finally, you copy the Meeting ID to the Zoom interface, enter the passcode wrongly once, and join the meeting. Once you join, you realise that you have joined in your mother's account.

Now you found this. You just add your meeting in the intuitive interface and BAM! When it is time, you will find your cursor automatically moving, and you will now remember about the meeting, and you can get ready while we do the clicking for you!

## What **not** to use this program for

* Overloading Zoom Servers with Join Meeting requests
* Attending your classes/meetings on your behalf
* Other uses that do not fit in to the goals of this program

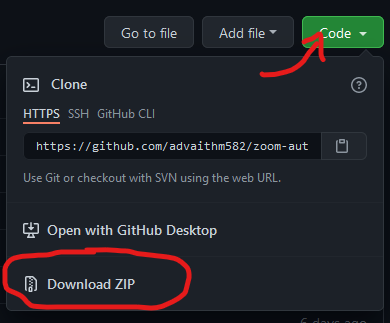
# Installation

## Python installation

1. Go to <https://www.python.org/ftp/python/3.9.6/python-3.9.6-amd64.exe>.
2. In the installation options, choose Advanced.
3. Ensure Add to PATH, Tcl/TK is selected, and press Next.
4. Once setup is finished, disable max path length limit.

## GitHub Download

1. In the repository, select the green ‘Code’ button and click ‘Download ZIP’. Unzip the folder once done.



## Installing dependencies

1. In the folder, in the address bar, type ‘cmd’ 
2. In Command Prompt, type *pip install -e .*
3. Wait for the installation to complete.

## Creating the logs folder

ZAJ needs a place to store application logs. Inside the *zoom\_autojoiner\_gui* folder, create another folder called *logs*.

If the folder exists, delete the *.gitkeep* file.

# Configuration

## Adding the screenshots

Add the following screenshots in a folder *images* in *zoom\_autojoiner\_gui*. Don’t forget to pin Zoom to the taskbar.

|  |  |  |
| --- | --- | --- |
| File Name | Description of the screenshot | Example |
| zoom\_taskbar.png | A picture of Zoom in the taskbar. |  |
| join\_btn.png | A picture of the blue Join button in the Zoom home screen. to the right of orange New Meeting. |  |
| name\_box.png | A picture of your name in the Join meeting box. Below the Meeting ID prompt. |  |
| join\_btn\_after\_mtg\_id.png | The Join Meeting button in the Meeting ID page. |  |
| Join\_meeting\_btn.png | The Join Meeting button in the Enter Passcode page. |  |

## Configuration file

|  |
| --- |
| **WARNING:** This portion of the user manual is outdated!!! Also, with detailed comments in the config files (see below), this portion of the manual may be considered redundant.   * [Application Configuration Sample File](https://github.com/advaithm582/zoom-autojoiner-gui/blob/main/zoom_autojoiner_gui/config/application-default.ini) * [Extensions Configuration Sample File](https://github.com/advaithm582/zoom-autojoiner-gui/blob/main/zoom_autojoiner_gui/config/extensions-default.ini) |

Please configure the JSON file *config.json*.

|  |  |
| --- | --- |
| Key | Value |
| ICON\_FILE | The File used by Tcl/Tk to display the favicon. Do not change this unless you wish to change the favicon. |
| PYAG\_PICS\_DIR | This directory contains all `.png` files required for the Autojoiner to function. See below for instructions. |
| DB\_URL | SQLAlchemy DB URI to be used. You can also connect to a common database server and then, Whoa! You have a network-wide Meeting Notice Board! |
| THEME\_FILE | A simple theme file to change the appearance of the window. You can meddle around with the colors, fonts, etc. |
| MY\_NAME | The name Autojoiner will change to when you join the meeting. Required. |

# Launching the Application

On most systems, double-clicking \_\_init\_\_.py will do the trick. Or else, create a bat file to do the same:

For windows:

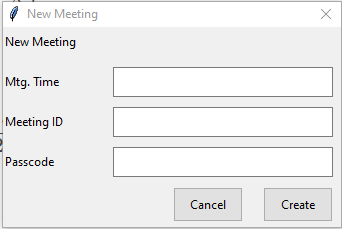
CD zoom\_autojoiner\_gui

py \_\_init\_\_.py

Or else, [compile using PyInstaller](#_Compile_using_PyInstaller).

# Adding a meeting

To add a meeting, go to Meetings -> Add meeting.



|  |  |
| --- | --- |
| Field | Value |
| Mtg. Time | The time of the meeting in ISO format e.g 2021-01-01 17:00:30 |
| Meeting ID | 11 – digit Meeting ID |
| Passcode | Meeting Passcode |

# Updating/Deleting a meeting

Click *Edit Meeting* on the desired meeting and follow same procedure as above.

To delete a meeting, select the Delete option.

# What to do in case the Autojoiner fails

* Use the *Join Meeting* button to join the meeting.
* In case the autojoiner fails multiple times, try one of the following:
  + Recalibrate the autojoiner by retaking the screenshots.
  + Ensure Zoom is pinned to the taskbar.
  + Open the error log (the bottom most one) and search for *traceback* to find the error.
  + Report a bug, and if you can fix it, fork, fix and open a PR.
* ZAJ doesn’t work when the computer is sleeping.

# Appendix

## Compile using PyInstaller

1. Use the following command to install PyInstaller: *pip install pyinstaller*
2. Create a file *ZoomAutojoinerGUI.py* with the following content:
   1. import logging
   2. from datetime import datetime
   3. # I am here because the ZAJ module has some logging work to do..
   4. logging.basicConfig(filename='logs/%s.log' % (datetime.now().strftime("%Y%m%d%H%M%S")), filemode='w', format='[%(asctime)s] [%(name)s:%(levelname)s] [pid:%(process)d, tid:%(thread)d] %(message)s', datefmt='%c', level=logging.DEBUG)
   5. from zoom\_autojoiner\_gui.views import MainWindow
   6. if \_\_name\_\_ == "\_\_main\_\_":
   7. logger = logging.getLogger(\_\_name\_\_)
   8. try:
   9. # logger.info('Attempting to initialise High DPI awareness')
   10. from ctypes import windll
   11. windll.shcore.SetProcessDpiAwareness(1) # High DPI
   12. except:
   13. logger.warning('Windows - Failed to enable High DPI awareness. Maybe not on Windows?')
   14. else:
   15. logger.info('Windows - High DPI awareness Enabled')
   16. try:
   17. # logger.info('Attempting to initialise Window')
   18. window = MainWindow()
   19. except Exception as e:
   20. logger.error("Failed to initialise window, exiting...", exc\_info=True)
   21. exit(1)
   22. else:
   23. logger.info("Window has been initialised.")
   24. window.mainloop()
3. Now use the following command to compile Zoom Autojoiner into an executable:

pyinstaller ZoomAutojoinerGUI.py --onedir -i=ZoomAJIcon.ico --noconsole

1. Go to *dist/ZoomAutojoinerGUI* folder and follow the instructions from Creating the logs folder.
2. Now copy *ZoomAJIcon.ico, default\_theme.thm.json, config.json*.
3. To run the application, just double-click the Executable file. Feel free to create a shortcut.

## Network Notice Board

1. Run *pip install pymysql*
2. Change the *SQLALCHEMY\_DB\_URI* to *mysql+pymysql://<username>:<password>@<IP>/<database>*

Where,

|  |  |
| --- | --- |
| Field | Value |
| Username | MySQL username |
| Password | MySQL password |
| IP | IP address |
| Database | Name of DB in mysql. Please create one. |