

Avanti Control Systems Inc. 518-921-4368 <https://avanticontrolsystems.com>

How to Setup the Cattron Remote IQ bridge

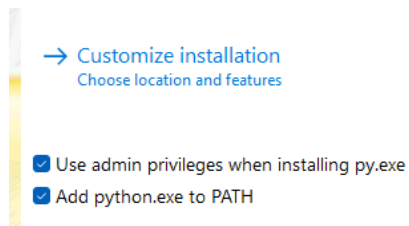
Prerequisites:

Microsoft SQL or SQL Express instance installed

200mb free hard drive space

50mb of ram free

- 1.) We need to install python. Navigate to <https://www.python.org/downloads/> and download the latest version. (currently 3.13.7)
- 2.) Run the downloaded file. Check the 2 boxes and click customize installation



Use the following custom options

Optional Features

- ☐ Documentation
Installs the Python documentation files.
- ☒ pip
Installs pip, which can download and install other Python packages.
- ☒ td/tk and IDLE
Installs tkinter and the IDLE development environment.
- ☒ Python test suite
Installs the standard library test suite.
- ☒ py launcher ☒ for all users (requires admin privileges)
Installs the global 'py' launcher to make it easier to start Python.

Click next

Advanced Options

- ☒ Install Python 3.13 for all users
- ☒ Associate files with Python (requires the 'py' launcher)
- ☒ Create shortcuts for installed applications
- ☒ Add Python to environment variables
- ☒ Precompile standard library
- ☐ Download debugging symbols
- ☐ Download debug binaries (requires VS 2017 or later)
- ☐ Download free-threaded binaries (experimental)

Customize install location

C:\Program Files\Python313

Browse

Back

Install

Cancel

Click install

If it asks to expand the path do so before finishing the installation.

- 3.) Install required python libraries by opening an Administrator command prompt by opening the start menu typing CMD then click on run as administrator

Type the following commands:

pip install requests

pip install pyodbc

- 4.) the script here: https://avanticontrolsystems-my.sharepoint.com/:u:/g/personal/sgoldstein_accsautomate_com/Eb6WJjGKzZ9GnOjBf4w1iKIBb2Acge4Dib06D0ofWxB0Yg?e=GqCHRC

- 5.) Edit the script using notepad. Change the information in the API Credentials, Database connection Variables, and Loop Configuration areas

```
# API credentials
email = "apiuser@yourdomain.com" # API username from the RemoteIQ dashboard
password = "Apiuserpassword"

# Database connection variables
server = "computernamiorip\\SQLEXPRESS" # replace with your instance
database = "master" # this is the default database probably dont need to modify
username = "sa" # create username that only has access to the catttron table, first run use SA to create the table then switch
password_db = "databaseuser"
table_name = "dbo.Cattron" # Table with schema

# Loop configuration
loop_interval = 1 # Interval between full fetch-and-write cycles in seconds (e.g., 5 minutes for testing)
loop_delay = 1.0 # Delay between page requests within a cycle in seconds
```

- 6.) Save the script and run it by double clicking it. It will display what it is doing and any errors it encounters. You can minimize it and it will run in the background. You can autostart it by creating a shortcut in the public startup folder.