Building ION Project onto windows. 5/09/2023

This should be used along with the GIT clone tutorial see the GIT clone tutorial first!

MinGW must be loaded and properly configured prior to compiling ION. These instructions are based on the MinGW-w64 project. The main download page for the versions of MinGW that are recommended.

For 64 bit x86_64-7.1.0-release-posix-seh-rt_v5-rev2.7z

For 32 bit: i686-4.9.3-release-posix-dwarf-rt_v4-rev1.7z
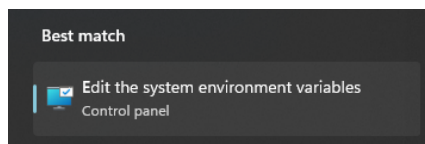
MSYS: MSYS-20111123-src.7z
Utilities: findutils-4.4.2-2
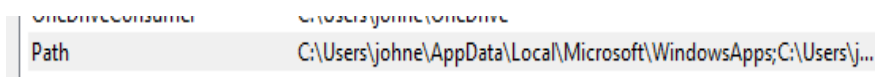
Installation:

- Download an extract MingW, MSYS and it's utilities onto to your computer
    - For example, the directory saved is 'D:/msys & D:/MingW'

- Extract the utilities (just a single .lzma file) and copy paste them into the D:/msys/bin directory

Both D:/mingw32/bin and D:/msys/bin need to be added to the windows path at the beginning of the path to ensure that the find utils work properly.
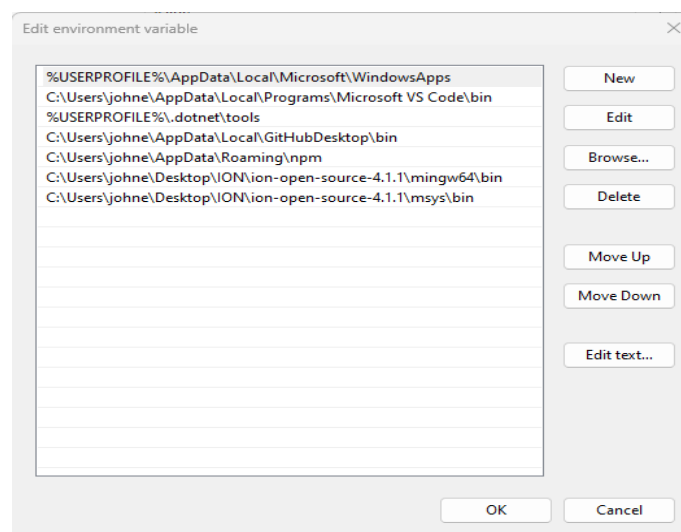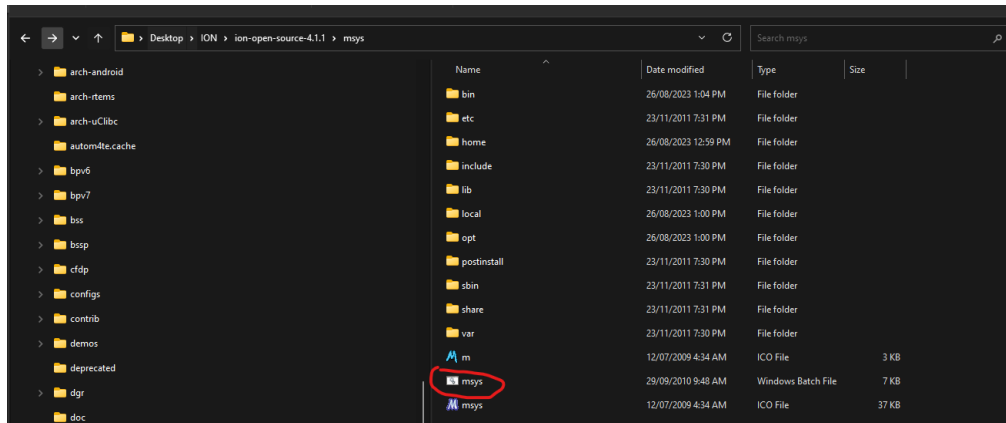- Windows key search for:

- Go to environment variables, look select your path and click edit.

- You will then be able to add the **MingW/Bin and MSYS/bin**

- Open a MSYS console by running the provided batch file: D:/msys/msys.bat.

- CD to where your git clone is

Run the following build commands:
> mkdir -p /home/Administrator
> touch /home/Administrator/.profile
> mkdir /opt
>export HOME=/home/Administrator
> ./mingw-setup
> Make

DONE 😎