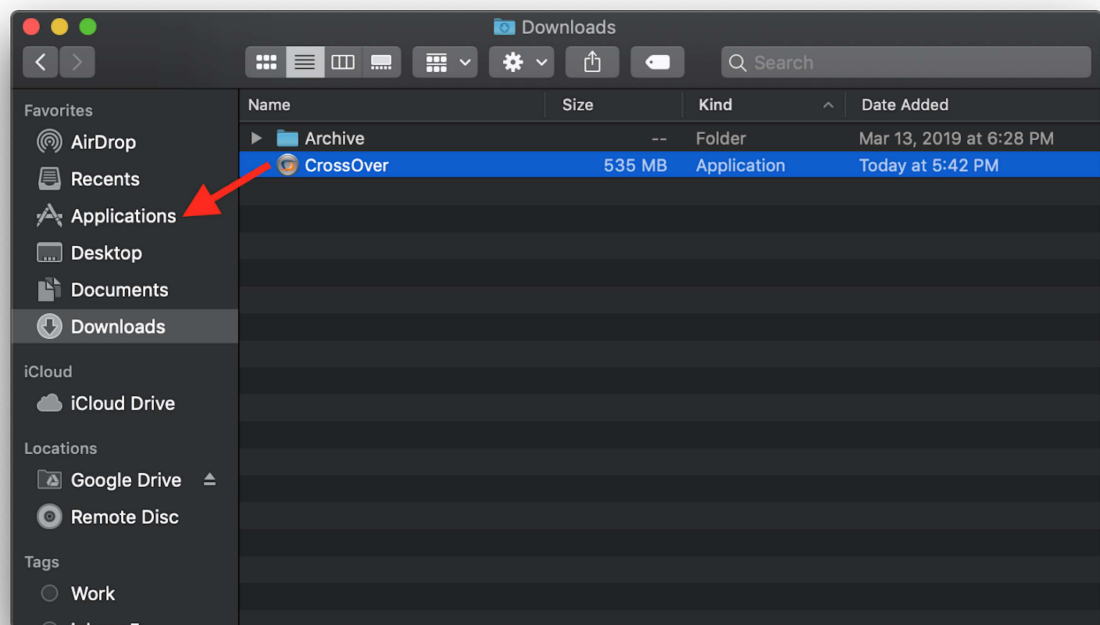


Installing Crossover

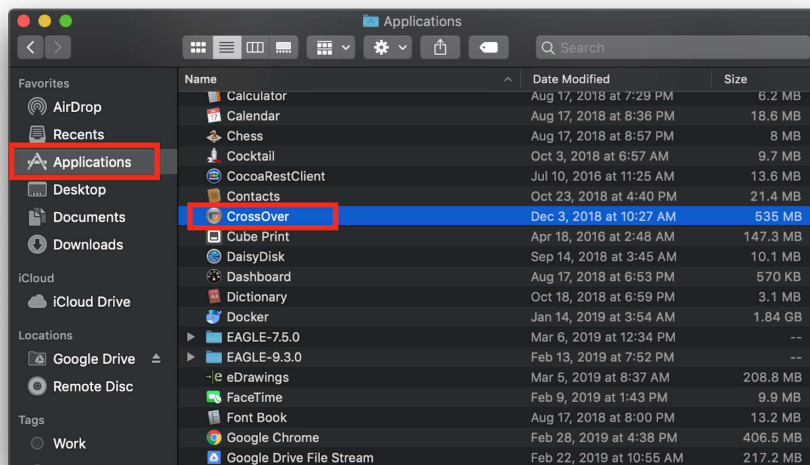
To get BlueDV running on macOS, a Windows emulator is needed first.

1. Download Crossover from here: <https://www.codeweavers.com/products/crossover-mac/>
2. Use free trial or enter purchase info
3. Open folder where Crossover was downloaded into (Usually it's the Downloads folder)
4. Unzip Crossover.zip (Double click on Crossover.zip so that Archive Utility can unzip it) if you haven't already.
5. Drag the file Crossover.app and drop it over Applications. This installs Crossover on your Mac.

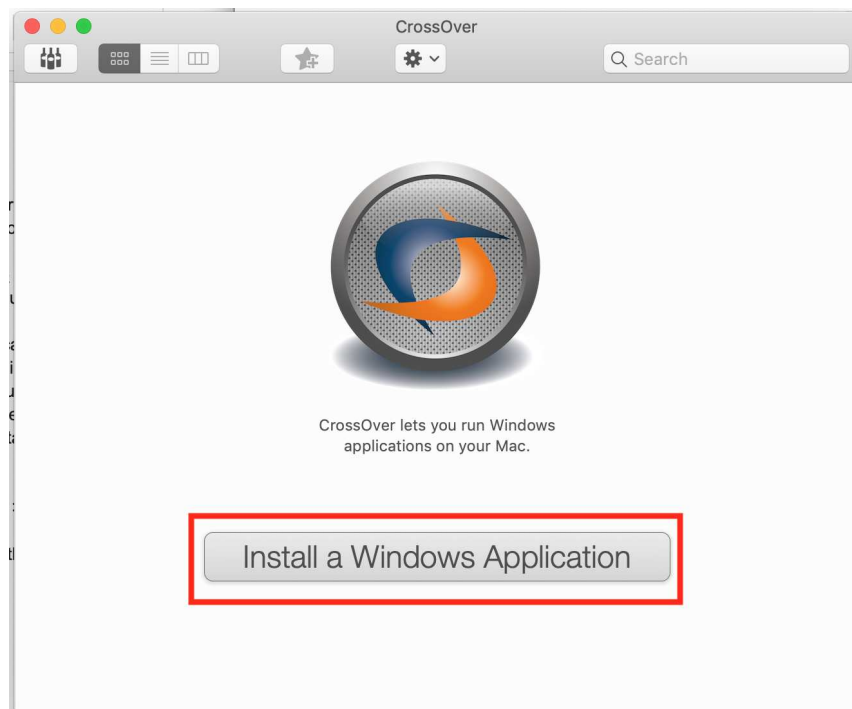


Installing BlueDV Prerequisites

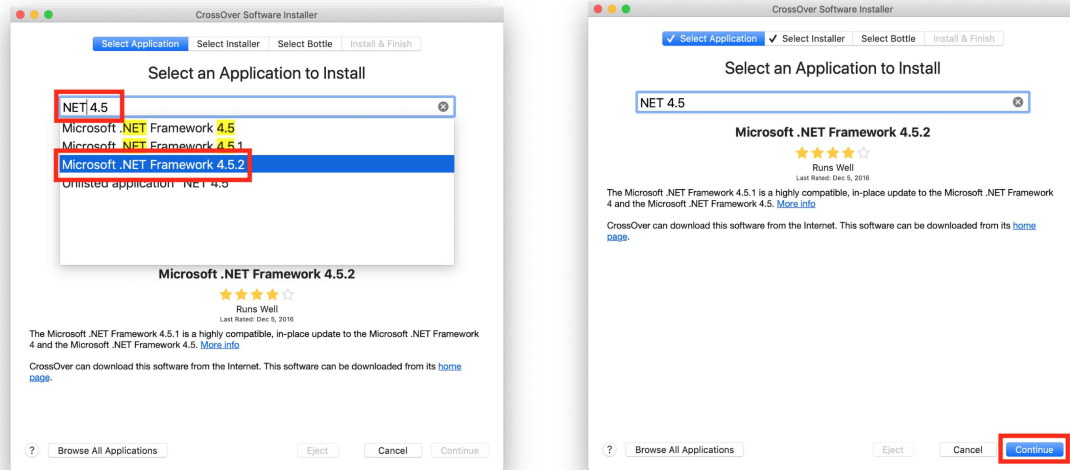
1. Open Crossover
 - a. Click on “Finder”
 - b. Go to the “Applications” folder
 - c. Double click on the Crossover app



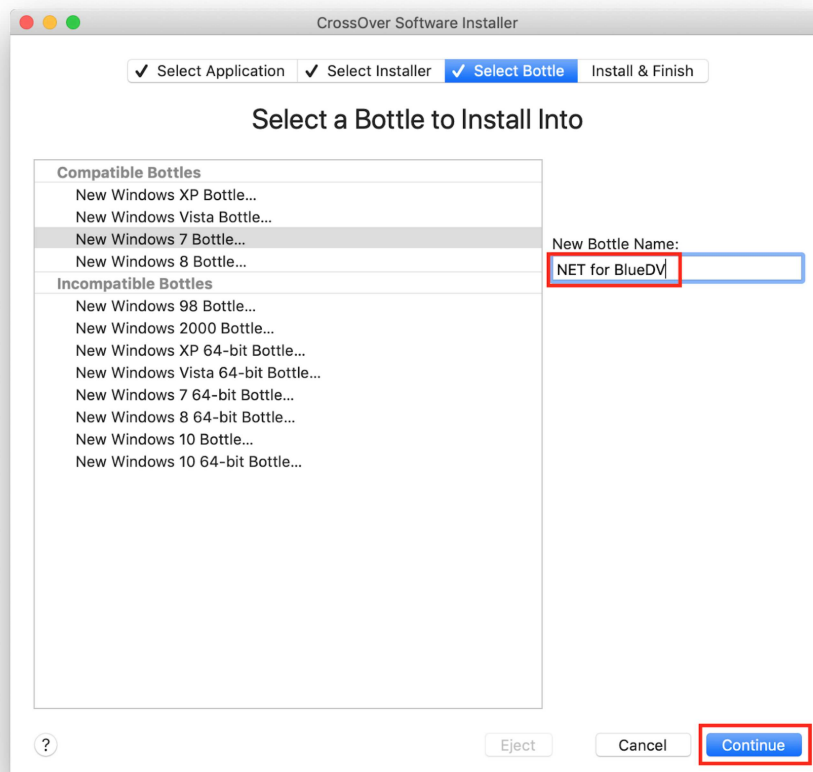
2. Click on “Install a Windows Application”



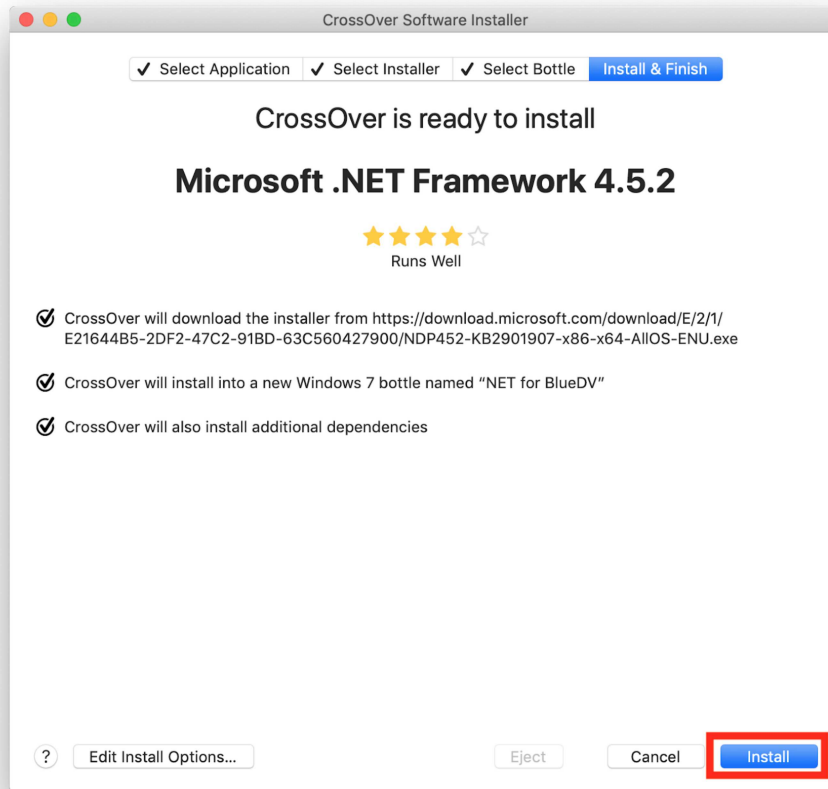
- Under the “Select Application” tab, type in “NET 4.5” and select “Microsoft .NET Framework 4.5.2”. Then press “Continue”



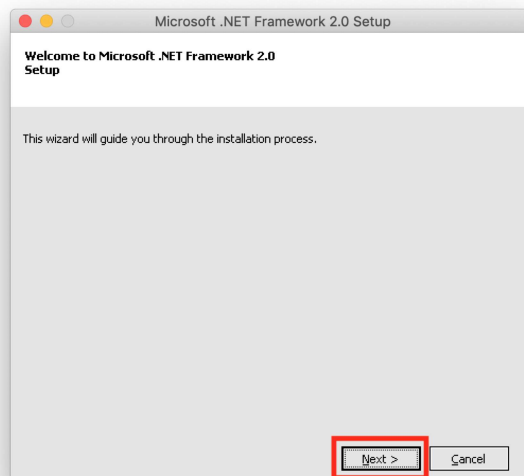
- Select “New Windows 7 64-bit Bottle...”. Then change bottle name to something like “NET for BlueDV” or whatever you would like to call it. Then press “Continue”



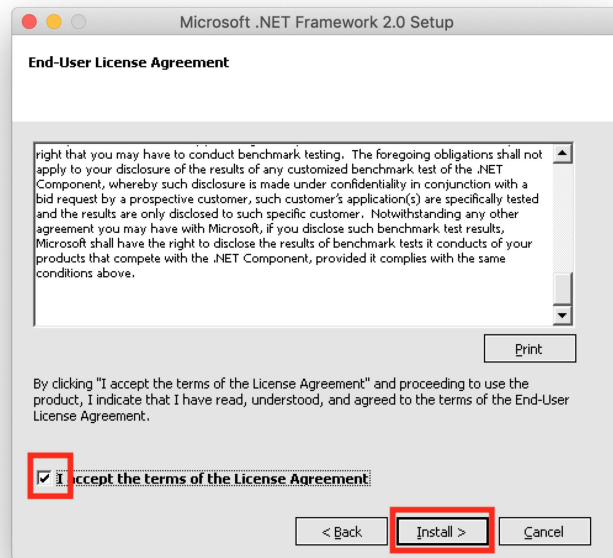
5. Press “Install”



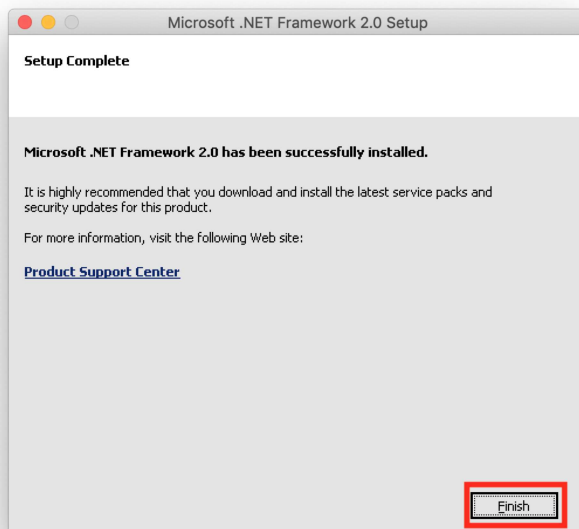
6. Click “Next”



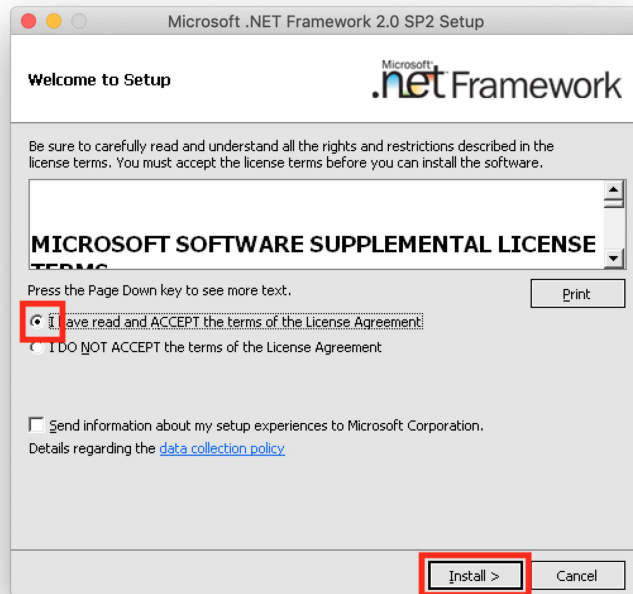
- Click check box to accept license agreement, and then click “Install”



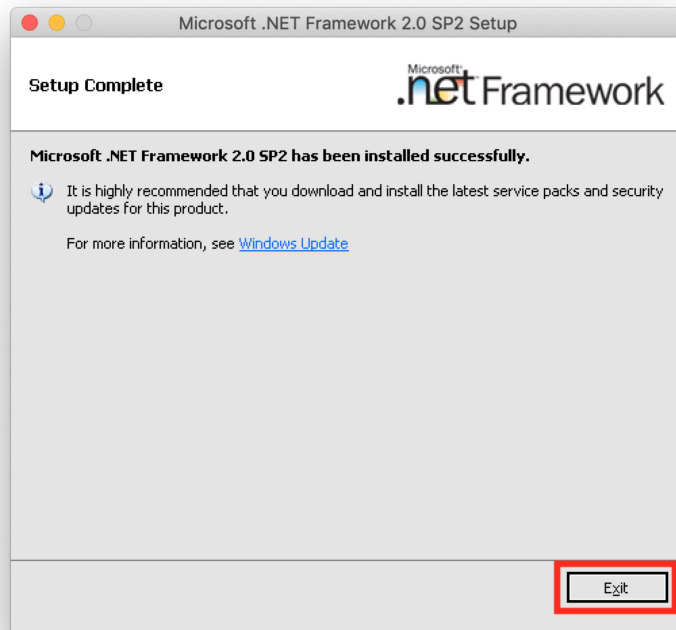
- Click “Finish”



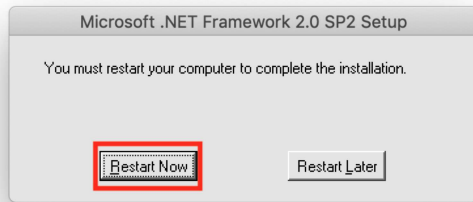
9. Click check box to accept license agreement, and then click “Install”



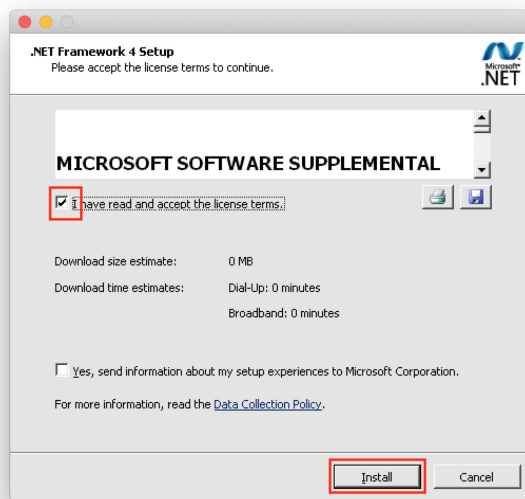
10. Press “Exit”



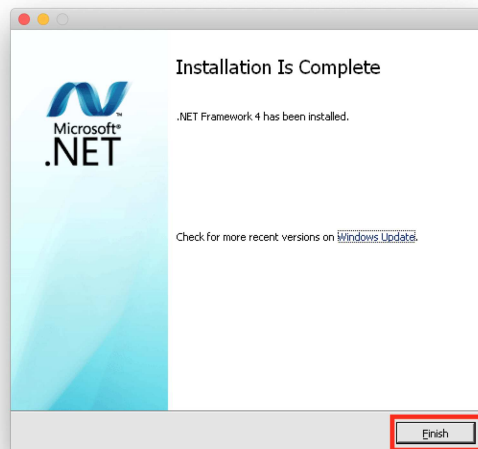
11. Click “Restart Now”



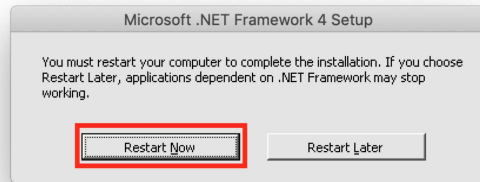
12. Click check box to accept license agreement, and then click “Install”



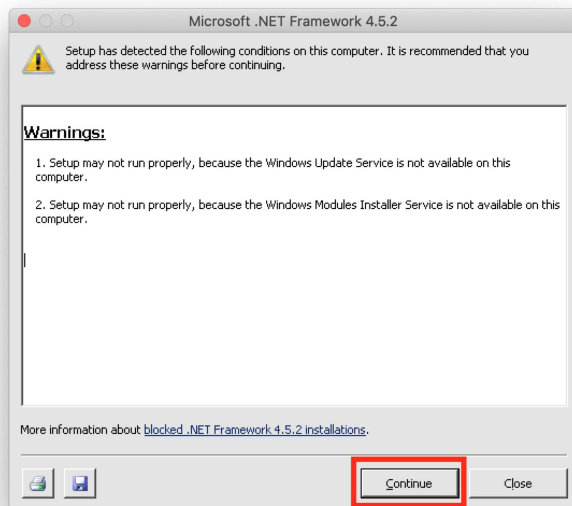
13. Click “Finish”



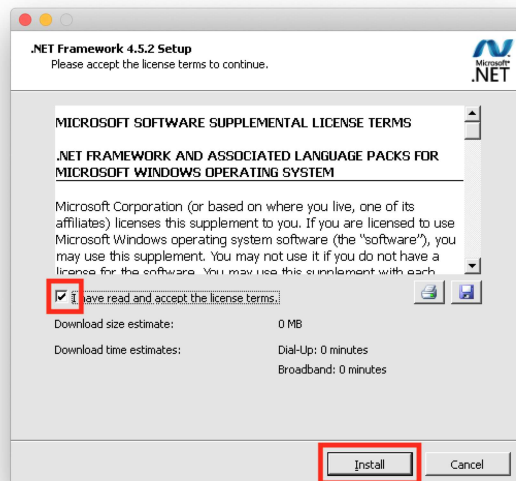
14. Click “Restart Now”



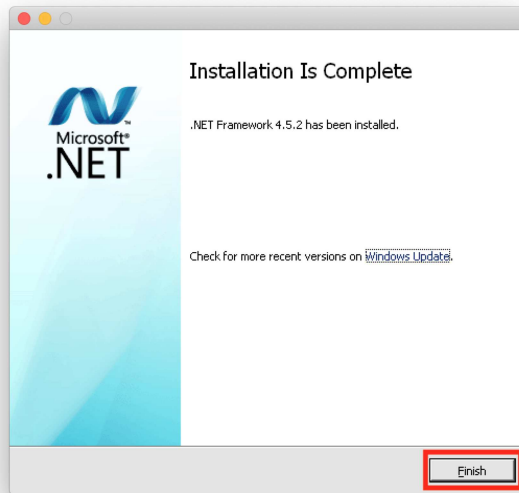
15. Click “Continue”



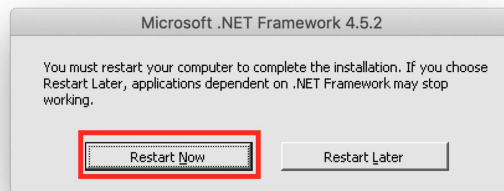
16. Click check box to accept license agreement, and then click “Install”



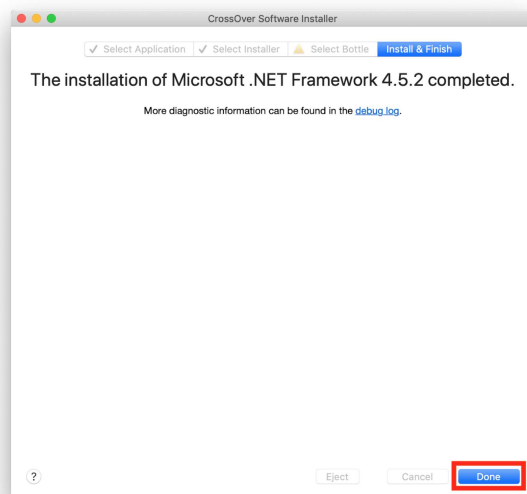
17. Click “Finish”



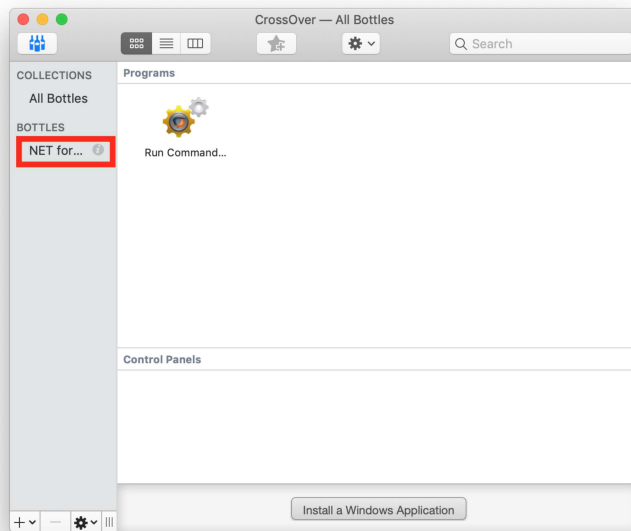
18. Click “Restart Now”



19. Click “Done” to conclude the installation

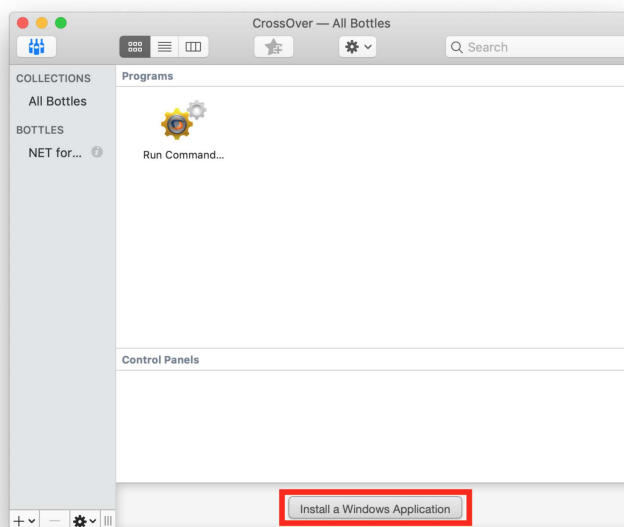


20. You should see something like this. If so, then you have successfully installed .NET 4.5

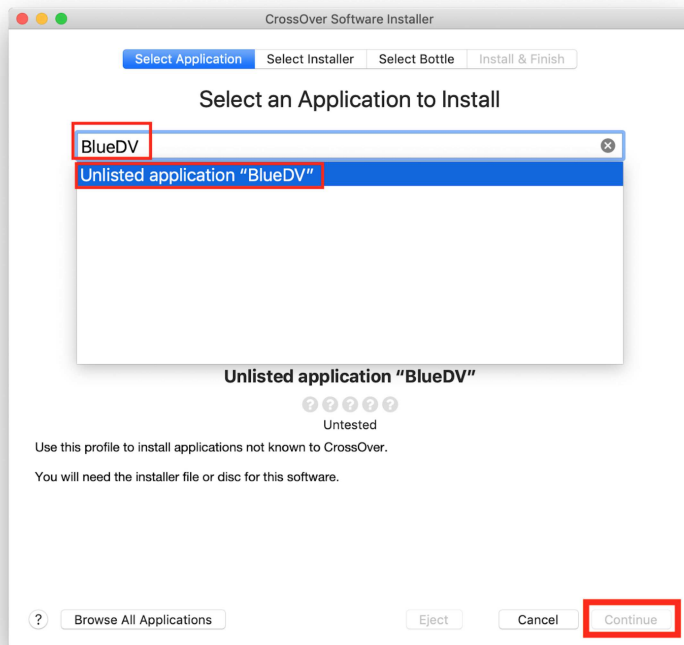


Installing BlueDV

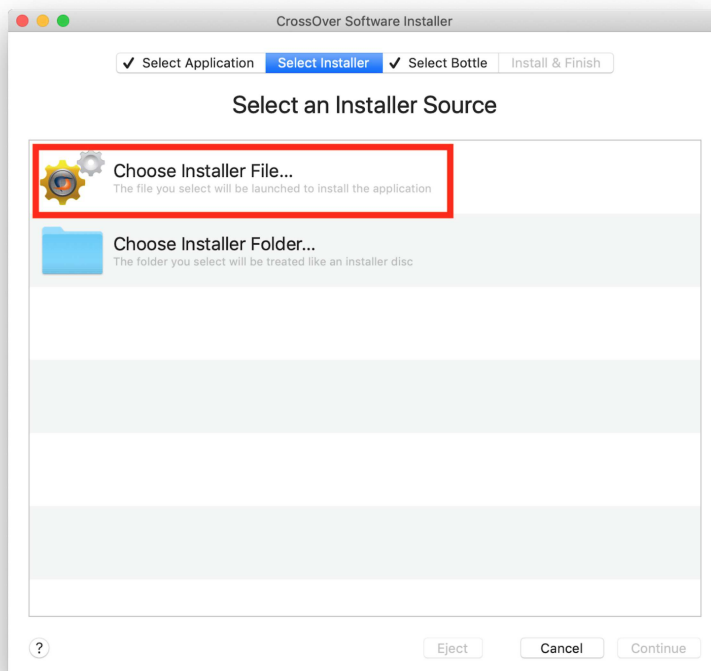
1. Download the latest version of BlueDV for Windows from this page:
<http://software.pa7lim.nl/BlueDV/BETA/Windows>
2. Extract the .MSI from the .zip file (Double click on BlueDV-09548-preBETA.zip so that Archive Utility can unzip it)
3. Click on “Install a Windows Application”



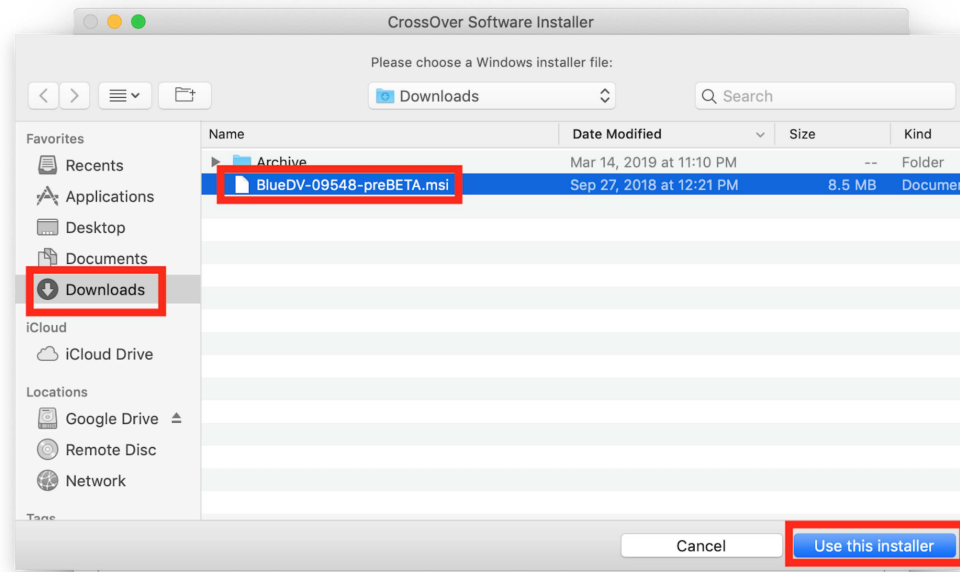
- Under the “Select Application” tab, type in “BlueDV” and select “Unlisted application BlueDV”. Then press “Continue”



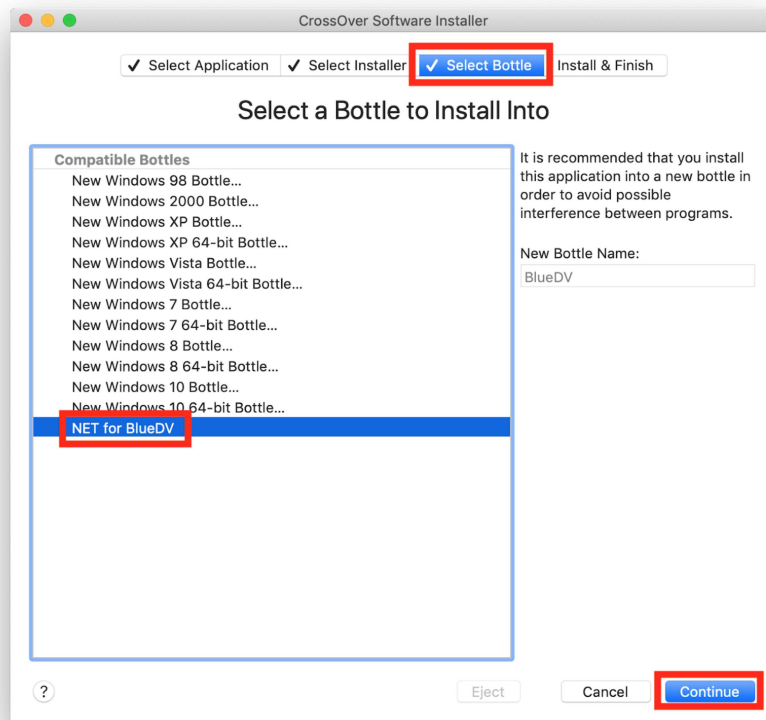
- Click on “Choose Installer File...”



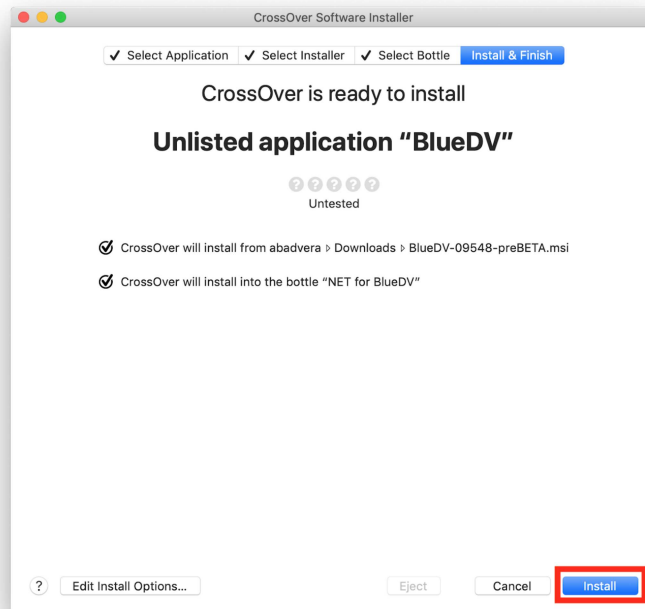
6. Navigate to where you downloaded BlueDV. Select the BlueDV MSI file and press “Use this Installer”. Then press “Continue”.



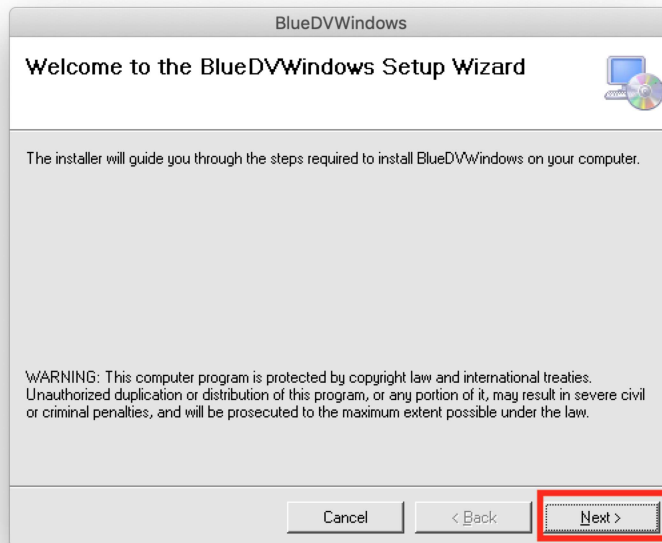
7. Go to the “Select Bottle” tab. Select the “NET for BlueDV” bottle from previous steps. Then press “Continue”



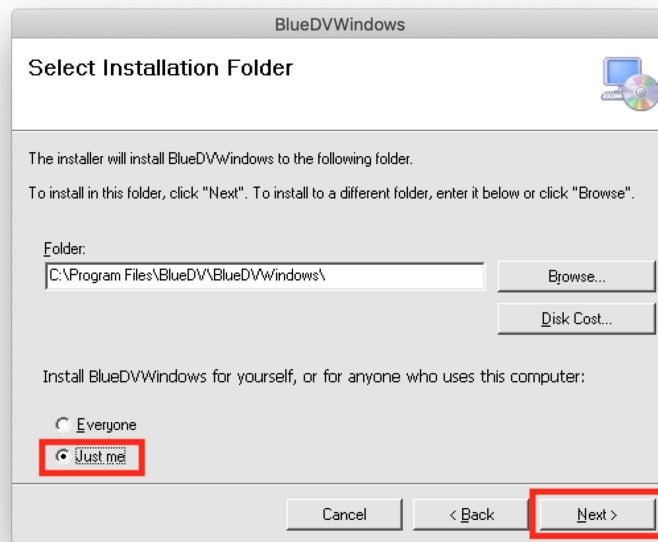
8. Press “Install”



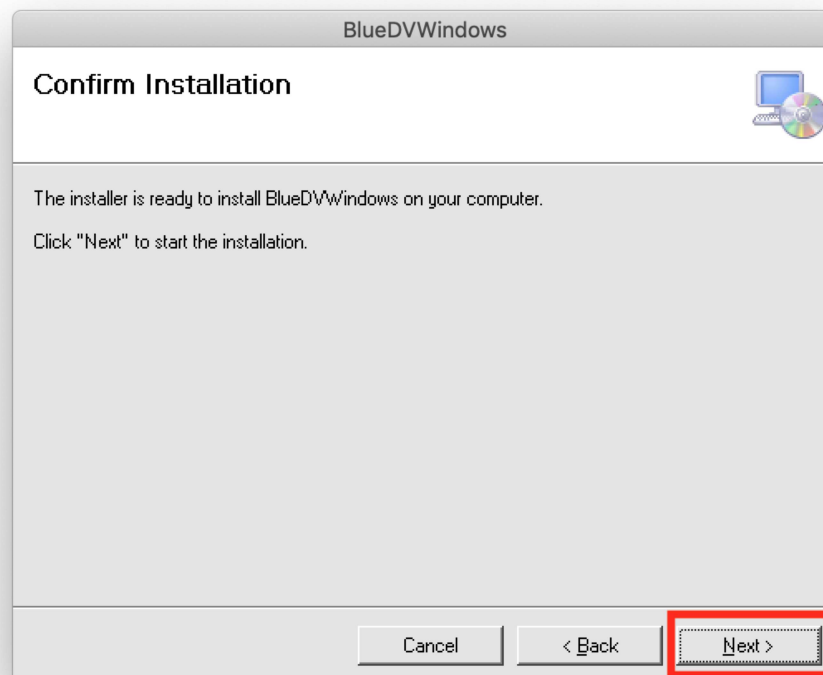
9. Click on “Next”



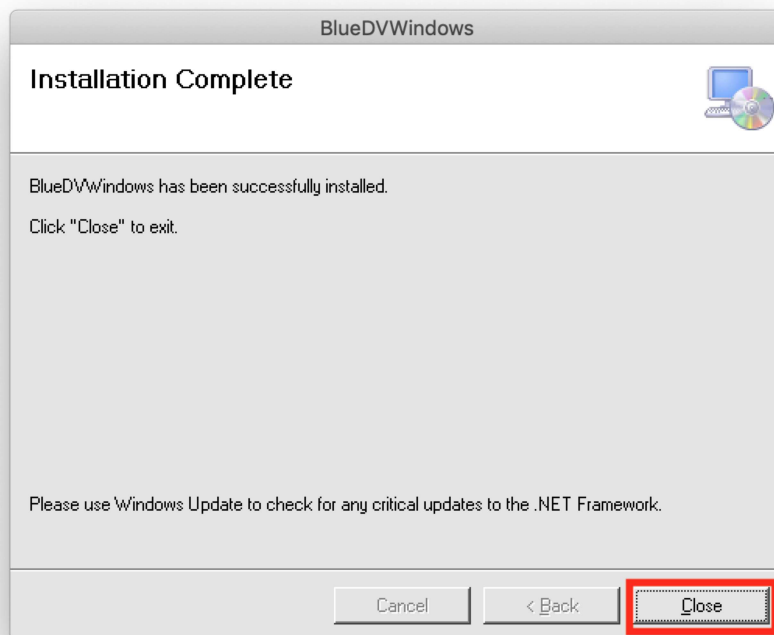
10. Select “Just me” and then press “Continue”



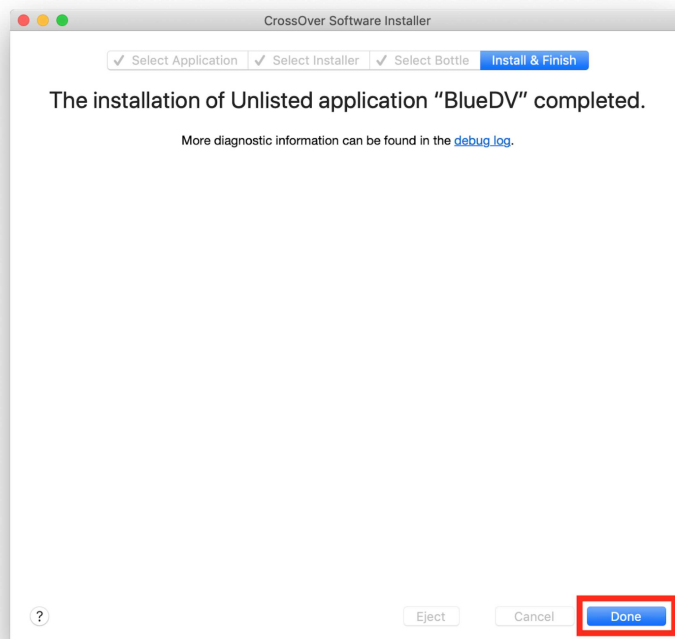
11. Click on “Next”



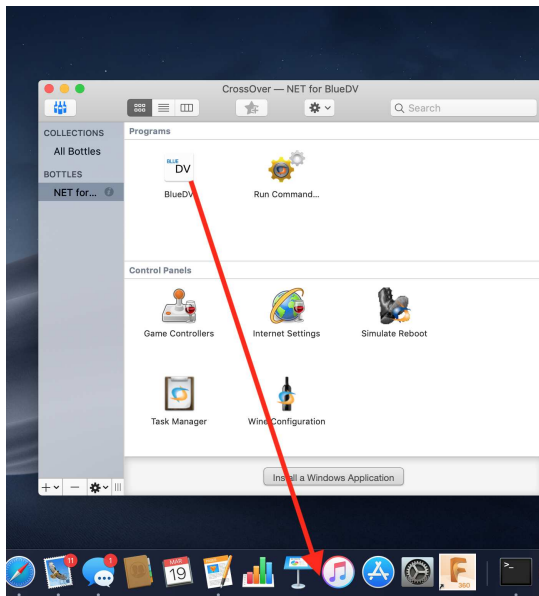
12. Press “Close” on the last pop up window



13. Once installation is finished press “Done”



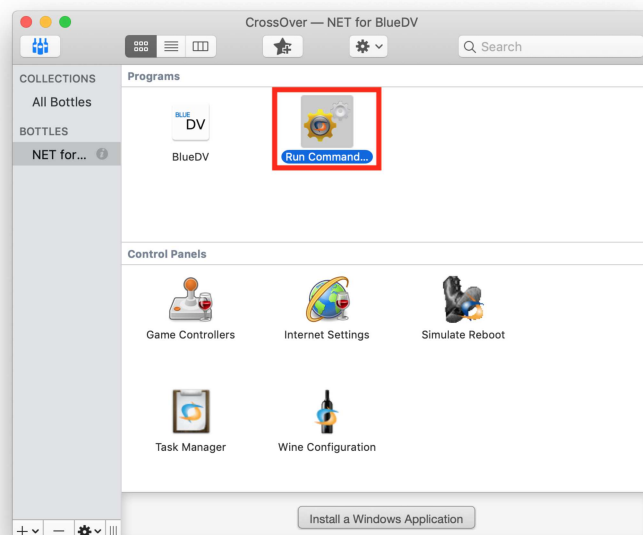
14. You can add the BlueDV icon to the taskbar by dragging and dropping it there



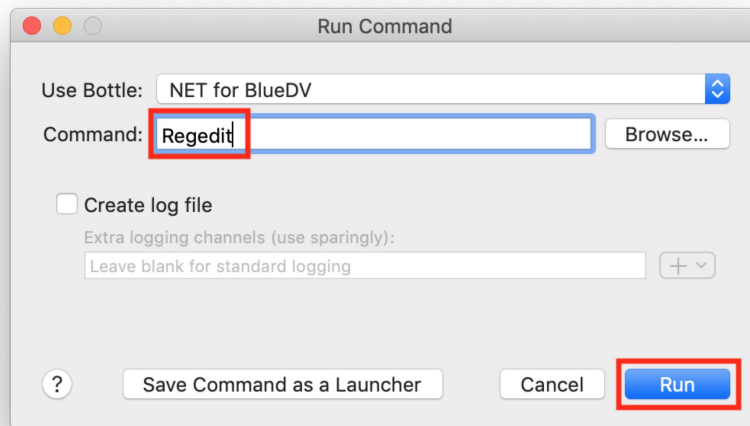
15. To run BlueDV just click on the icon in the taskbar or double-click from within Crossover

Modifying COM Port

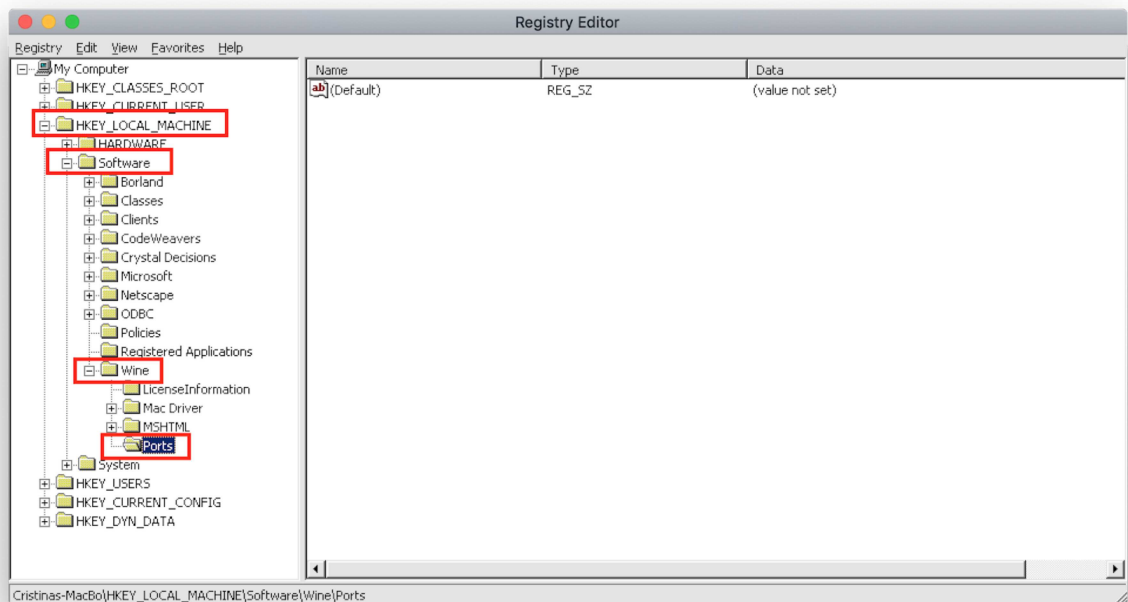
1. Open Crossover
2. Select the bottle where you installed the .NET 4.5 and BlueDV.
3. Double-click on “Run Command”



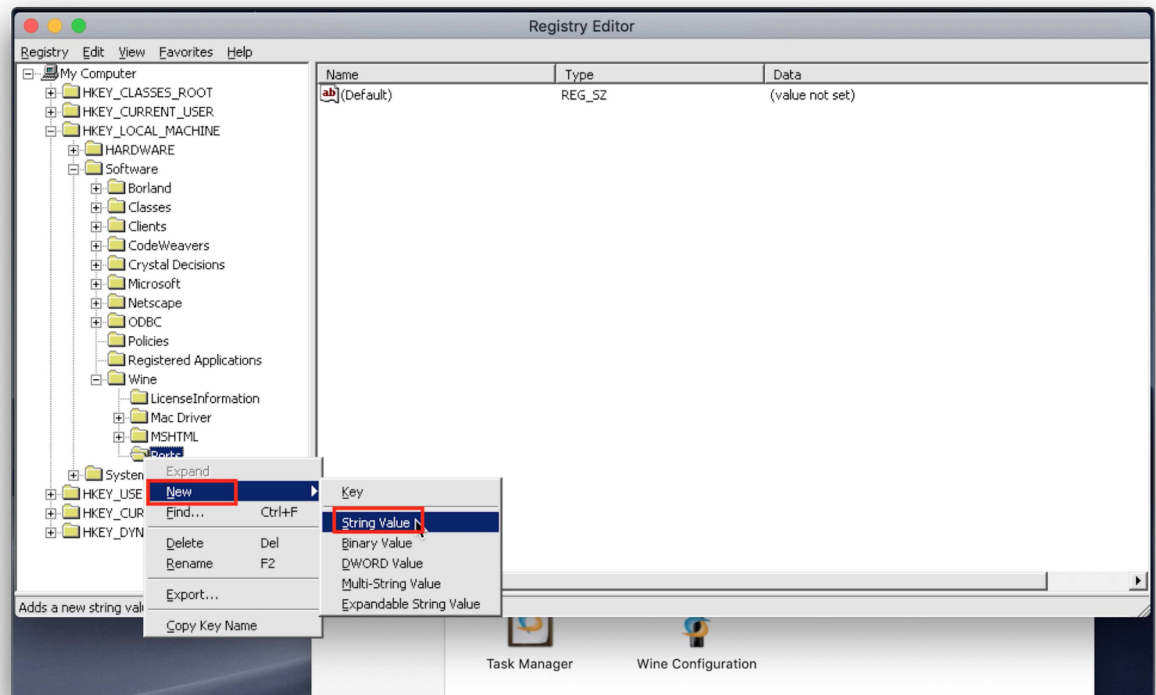
4. Type in “Regedit” into the Command section. Then click on “Run”



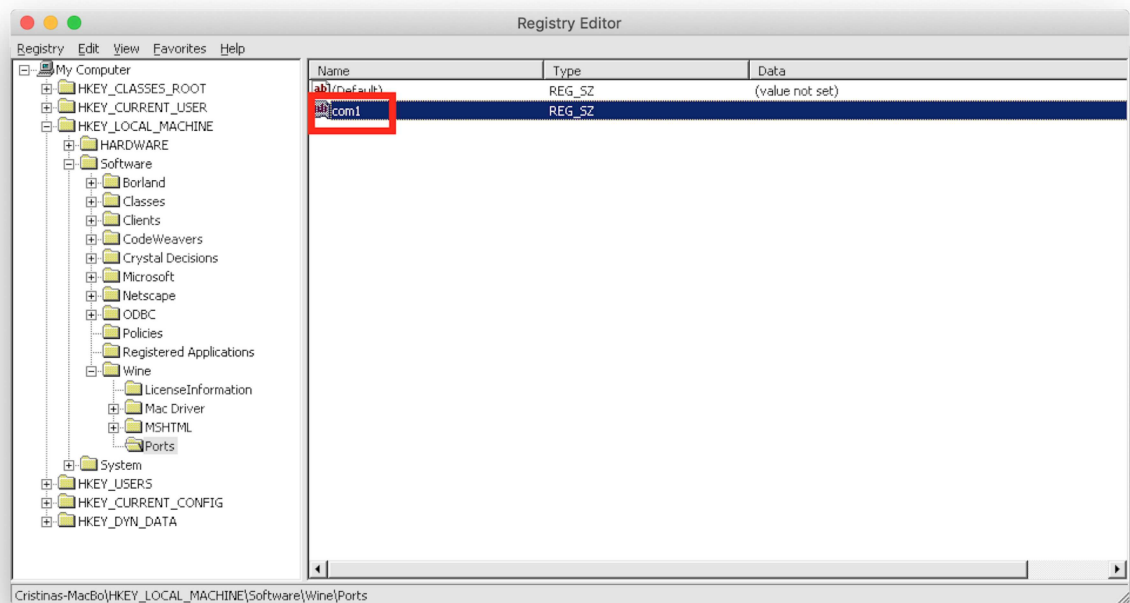
5. Within Regedit, navigate to: *HKEY_LOCAL_MACHINE* -> *Software* -> *Wine* -> *Ports*



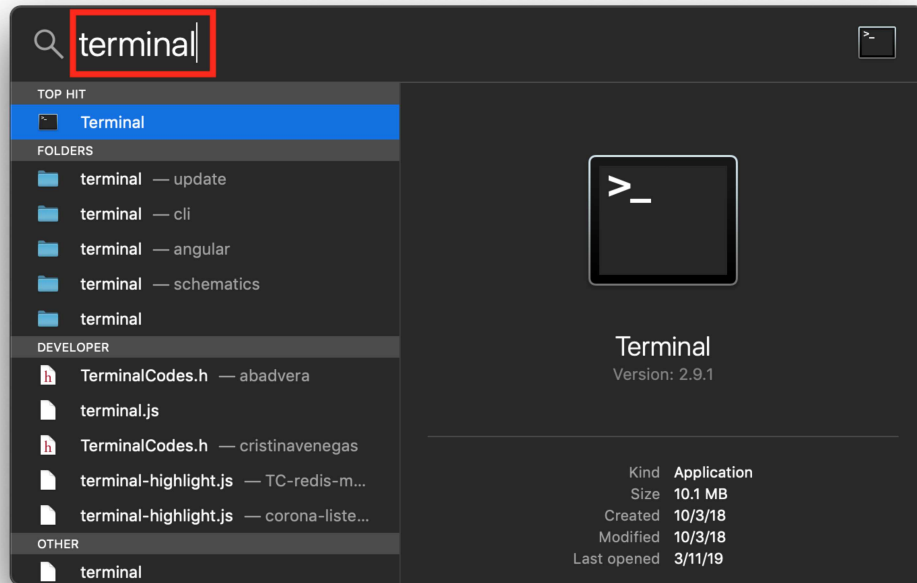
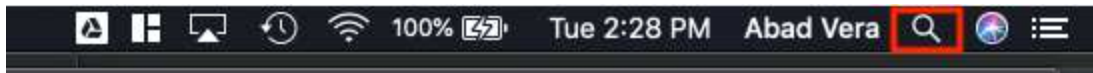
6. Right-click (For trackpad users press down with two fingers) on “Ports”. Then go to *New -> String Value*



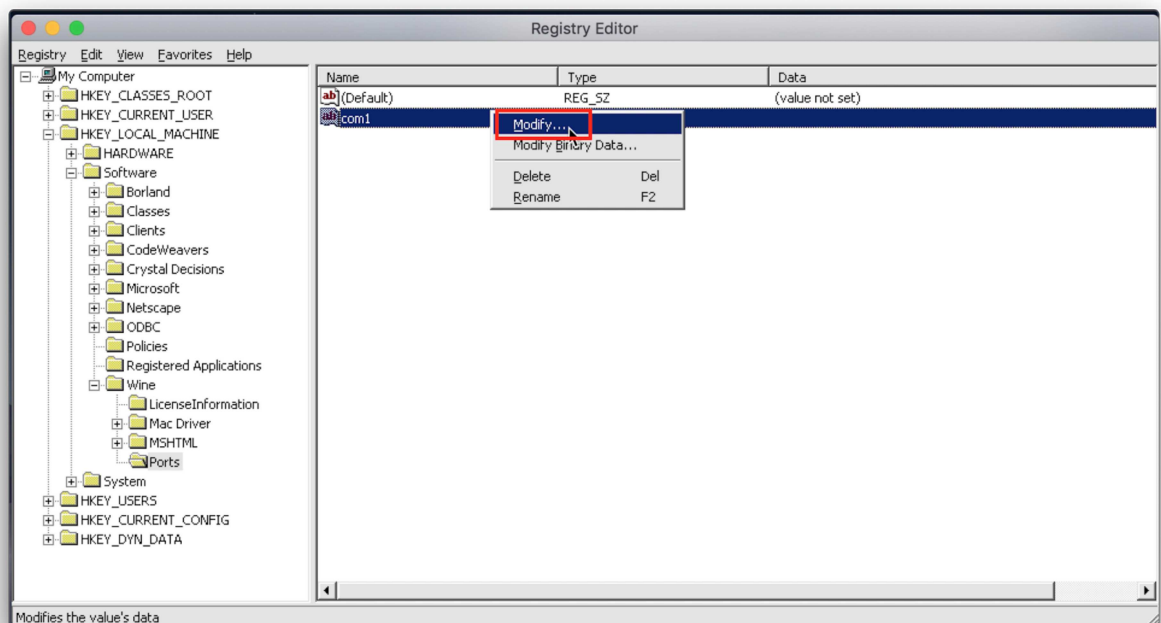
7. Type in “com1” into the string value



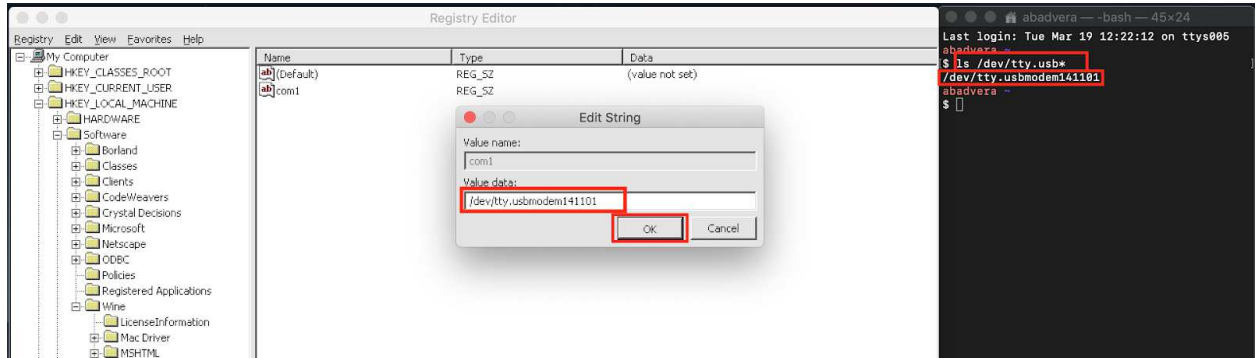
8. Open the Terminal app. Easiest way to do it is by clicking on the Spotlight icon on the top right corner of your screen. Then type “Terminal” and then press Enter



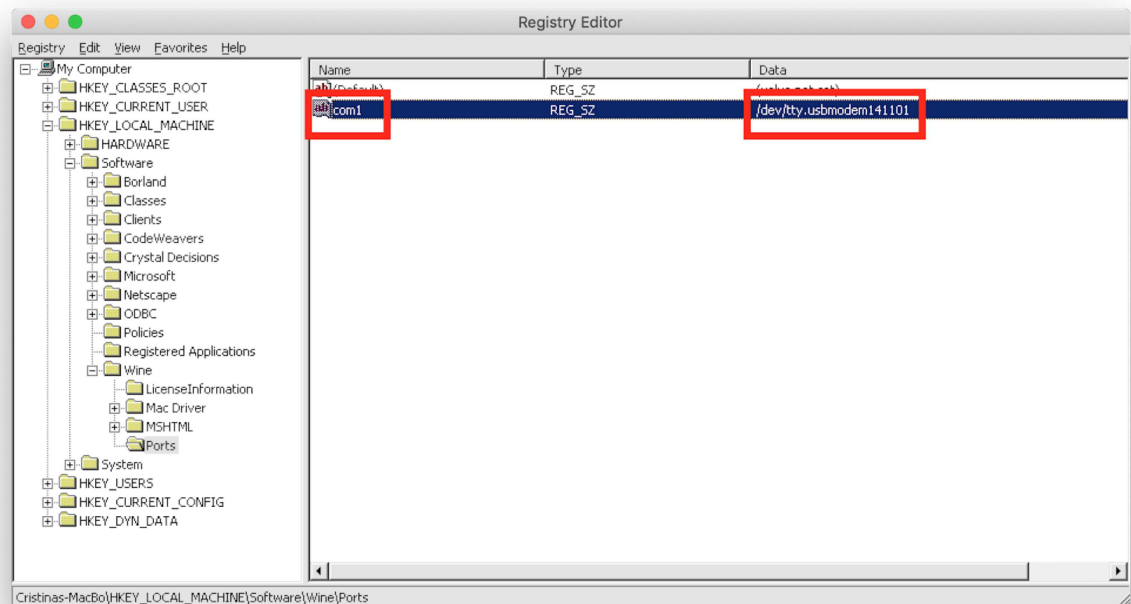
9. Go back to Regedit and right-click on “com1” and select “Modify...”



10. Plug in the ZUMspot USB into one of the USB ports on your Mac.
11. Go back to Terminal and type in `ls /dev/tty.usb*` and press Enter. The following line will show you the full name macOS gives to your ZUMspot. Copy that line and paste it into the “Value data:” field. Then click “OK”



12. Now you should see something like this:



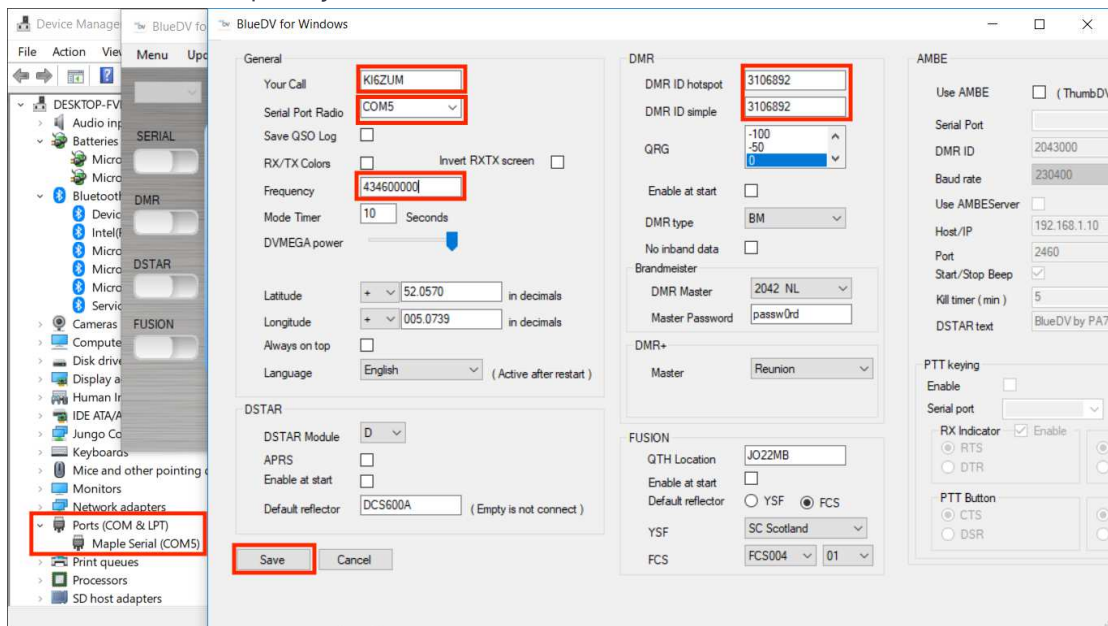
- a. **NOTE!!** - If you remove the ZUMspot and insert it into a different usb port on the same computer, it will enumerate under a different name. So always insert it into the same USB port or you will have to go through the previous steps all over again to set it up with a different name.

Finishing the setup of BlueDV

1. Open BlueDV by clicking on the icon in the taskbar or double-click from within Crossover
2. Launch the software and turn off “SERIAL” if it is already enabled.

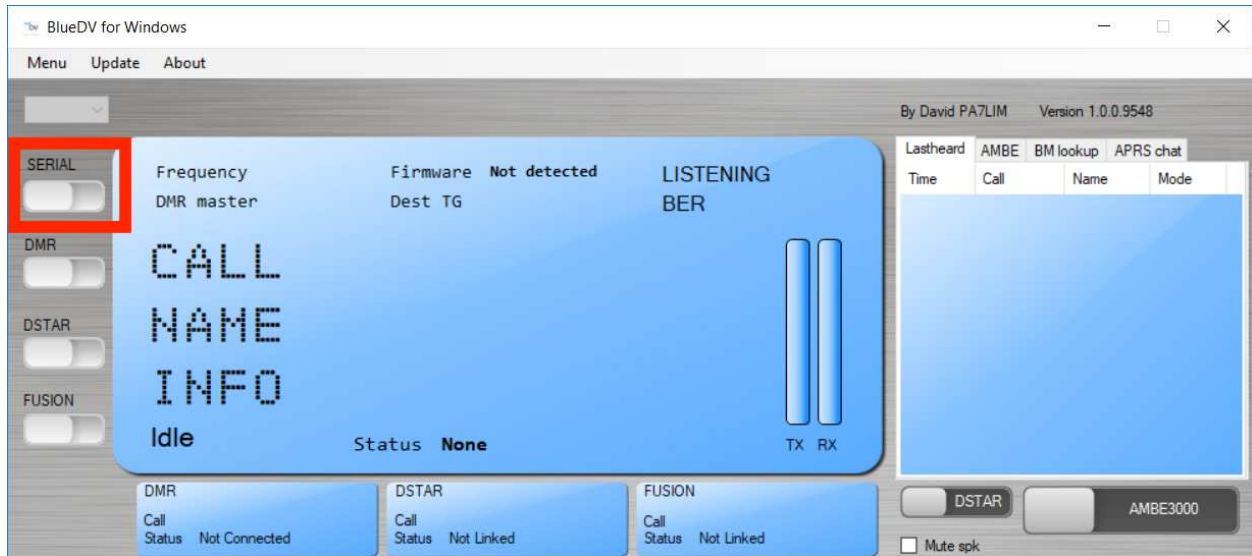


3. Next select “Menu” -> “Setup”. As a minimum, set “Your Call”, the “Serial Port Radio”, “DMR ID” and “Frequency”. Next select “Save”

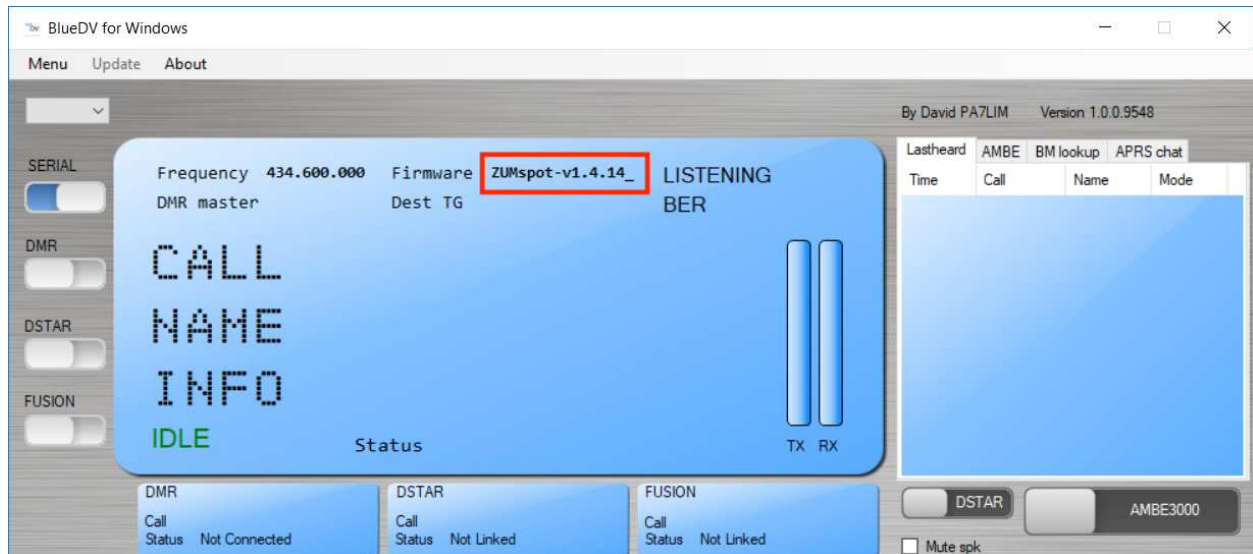


NOTE: If you reconnect the ZUMspot to another USB port, it may enumerate under a different COM port. If so you will need to update the settings.

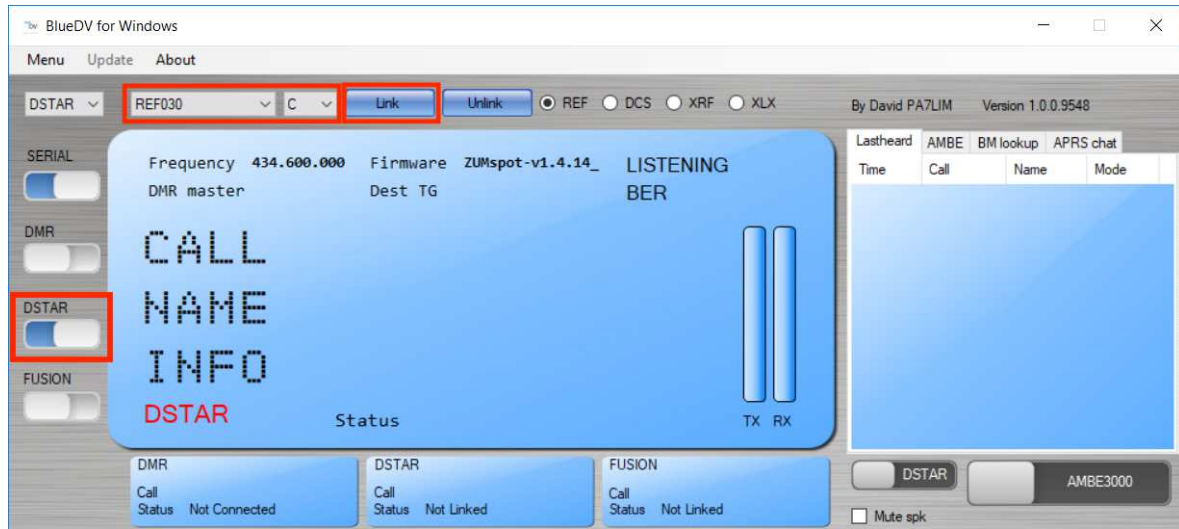
4. Next turn “SERIAL” back on.



5. If the USB connection to the ZUMspot USB is functional, the software should display the “Firmware” version of the ZUMspot.



6. As an example, for DSTAR, turn on the DSTAR button, select the reflector (“REF”) you wish to connect to and then select “Link”



7. Once connected to the reflector, the software will display info when others are transmitting.

