

Configure Cypress Testing Framework on Windows

1. Download Docker

Only download Docker if you plan to use Docker to create your REDCap test instance.

<https://download.docker.com/win/stable/Docker%20for%20Windows%20Installer.exe>

Docker for Windows is known to run on **Windows 10 Pro / 1809 / 17763.678**.

2. Download GitHub Desktop

<https://central.github.com/deployments/desktop/desktop/latest/win32>

<https://git-scm.com/download/win>

3. Download Node.js

<https://nodejs.org/dist/v12.9.1/node-v12.9.1-x64.msi>

4. Open PowerShell

Install Cypress Framework

```
cd ~\YourREDCapCypressFolder\  
npm install
```

Open Cypress Debug Window

```
npx cypress open
```

5. Download Sublime

Need a text editor? Consider downloading Sublime.

<https://download.sublimetext.com/Sublime%20Text%20Build%203207%20x64%20Setup.exe>

6. Configure Cypress on your Machine. Please see the REDCap Cypress Testing Framework README.

https://github.com/aldefouw/redcap_cypress

For database seeding, you will need to have MySQL CLI and Sed installed. You will likely want to use a package manager to download these if you do not have them installed already.

Chocolatey

Installation Script

```
PowerShell.exe -Command "Set-ExecutionPolicy Bypass -Scope Process -Force;  
iex ((New-Object  
System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))  
"
```

The above one-liner will typically work to install Chocolatey package manager. If it does not, please view the installation documentation [here](https://chocolatey.org/docs/installation):

<https://chocolatey.org/docs/installation>

Installing MySQL and Sed using Chocolatey

```
choco install mysql-cli
```

```
choco install sed
```

Typically, Chocolatey will add these binaries into your \$PATH automatically.

However, in case you need to build Chocolatey from source, you can add in these paths to the system \$PATH manually. (You do so by navigating to "Advanced System Settings" > "Environment Variables" in the Advanced tab of the System Properties window. These utilities need to be a part of your path because these two binaries are used in the database seeding process.)

Failing?

If **Chocolatey** Installations fail, you can try older versions by downloading the source:

<https://github.com/chocolatey/choco>

Then you can build on the local system by downloading the repo and running **build.bat**.

From there, you need to point chocolatey executables appropriately through Environment Variables on the system.

Advanced System Settings Environment Variables

ChocolateyLastPathUpdate Current Timestamp

ChocolateyInstall This is the path where the build install files are located. It would be inside `\choco\build_output\chocolatey\` ...

Also need to add the **ChocolateyInstall** path to the **system PATH**.

Also `\choco\build_output\chocolatey\bin\` to the **system PATH**.