

Installation Sheet for DWSIM

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March 16, 2020

System Requirements

OS:

Windows: 32/64-bit Vista/7/8/10

Linux: 64-bit x86 Ubuntu 12.04 or newer / 32-bit armhf Raspbian/Ubuntu MATE

macOS: 10.7 (OS X Lion) or newer

Software:

Microsoft .NET Framework 4.6.1 or newer (Windows)

Mono Framework 5.14.0 or newer (Linux)

CPU:

1.0 GHz dual-core processor (minimum)

Memory:

2 GB RAM

Graphics Card:

128 MB with OpenGL hardware acceleration

Display:

1280x800 display resolution is recommended as a minimum

Disk space:

500 MB for program files

1 The procedure to install DWSIM on Windows OS

1. Please make sure that you meet the system requirements to be able to download and install DWSIM.
2. Open your default web browser.
3. In the address bar, type the following URL and press Enter.
<https://sourceforge.net/projects/dwsim/files/DWSIM/>
4. Click on the folder with latest version. Currently it is DWSIM 5.8.
5. Click on the folder with latest update. Currently it is Update 4.
6. Click on "DWSIM_bin_v58u4_setup_win7win8win10_64bit.exe" (if it is 64 bit Operating System)
Click on "DWSIM_bin_v58u4_setup_win7win8win10_32bit.exe" (if it is 32 bit Operating System)
7. The .exe file gets downloaded and saved in the Downloads folder.
8. Go to Downloads folder and double click on .exe file.
9. In User Account Control window, click Yes.
10. In Installer Language window, Click OK.
11. DWSIM 5.5.8 Update 4 setup window appears. Click Next.
12. In License Agreement section, click on I Agree.
13. Click on Next.
14. In Select components to install field, select all the components and click Next.
15. Click on Next.
16. Click on Install.
17. In ChemSep 8.14 LITE Setup License Agreement section, click on I Agree.
18. Click on Next.
19. Click on Next.
20. Click on Install.
21. Click on Next.
22. Click on Finish.
23. Click on Next.
24. Under CAPE-OPEN libraries, check the Accept License Agreement check box.

25. Click on Next.
26. Click on Next.
27. Click on Install.
28. Click on Finish.
29. Click on Next.
30. Click on Finish.
31. DWSIM is successfully installed.

2 The procedure to install DWSIM on Linux OS

1. Please make sure that you meet the system requirements to be able to download and install DWSIM.
2. Open your default web browser.
3. In the address bar, type the following URL and press Enter.
`https://sourceforge.net/projects/dwsim/files/DWSIM/`
4. Click on the folder with latest version. Currently it is DWSIM 5.8.
5. Click on the folder with latest update. Currently it is Update 4.
6. Click on "dwsim_5.8.4-amd64.deb"
7. The file will be downloaded and saved in the default downloads folder
8. Install Mono Framework version 5.14 or newer
`https://www.mono-project.com/download/stable/#download-linux`
9. Open the terminal by pressing Ctrl + Alt + T keys together.
10. Type the below command and press enter
`sudo gdebi dwsim_5.8.4-amd64.deb`
11. In the terminal, type dwsim.
12. If DWSIM opens on your machine, then this means that DWSIM is successfully installed.

3 The procedure to install DWSIM on MacOS

1. Please make sure that you meet the system requirements to be able to download and install DWSIM.
2. Open your default web browser.
3. In the address bar, type the following URL and press Enter.
`https://sourceforge.net/projects/dwsim/files/DWSIM/`
4. Click on the folder with latest version. Currently it is DWSIM 5.8.
5. Click on the folder with latest update. Currently it is Update 4.
6. Click on "DWSIM_v58u4_macOS.zip"
7. The file will be downloaded and saved in the default downloads folder.
8. Locate the downloaded zip file from the downloads folder.
9. Extract the zip file in the Desktop.
10. Locate the extracted folder and open the folder.
11. Double click on DWSIM.app
12. If DWSIM opens on your machine, then this means that DWSIM is successfully installed.

4 Checking the installation

1. To check the software installation, please follow these steps:
2. For Windows: Go to DWSIM, right click on it and select "Run as administrator"
For Linux: Open a command terminal by pressing Ctrl+Alt+T and type "dwsim-classic"
For MacOS: Double click on DWSIM.app
3. In Welcome to DWSIM window, click on the Samples under Quick Access.
4. Click "Carbon Combustion.dwxml".
5. Maximize the flowsheet window.
6. Now press Solve Flowsheet button.
7. Following message should be displayed after solving the flowsheet "The flowsheet was calculated successfully".

5 Resources to learn DWSIM

1. **Spoken Tutorials:** https://spoken-tutorial.org/tutorial-search/?search_foss=DWSIM&search_language=English
2. **DWSIM Flowsheeting Project:** <https://dwsim.fossee.in/flowsheeting-project/completed-flowsheet>
3. **DWSIM Textbook Companion:** <https://dwsim.fossee.in/textbook-companion/completed-books>
4. **DWSIM Forum:** <https://forums.fossee.in/filter/dwsim/>
5. **Spoken Tutorial Forum:** <https://forums.spoken-tutorial.org/filter/DWSIM/>