



1 The procedure to install DWSIM on Windows 7/8/10 (32-bit/64-bit)

1.1 Getting ready for DWSIM installation

1. To follow the installation procedure, you need to be connected to the Internet
2. Following system requirements should be met:
 - i. Microsoft .NET Framework 4.6.2 or newer
 - ii. 2 GB RAM
 - iii. 1.0 GHz dual-core processor (minimum)
 - iv. 2 GB Disk space for program files
 - v. Graphics Card: 128 MB with OpenGL hardware acceleration
 - vi. Display: 1280x800 display resolution is recommended as a minimum

1.2 Installing DWSIM on your machine

1. Open your default web browser
2. In the address bar, type the url: <https://sourceforge.net/projects/dwsim/files/DWSIM> and press **Enter**
3. Under **Parent** folder, click on **DWSIM 6.4**
4. Scroll down and click on the folder **6.4.3**
5. Now, select the 32 bit or 64 bit installer depending on your system configuration. I will click on **DWSIM_bin_v643_setup_win7win8win10_64bit.exe**
6. Save **DWSIM_bin_v643_setup_win7win8win10_64bit.exe** file. It will be saved in the default download folder. On my system, it is in the **Downloads** folder.
7. Go to the downloaded file and right click on the **.exe** file
8. Select **Run as administrator**
9. In the **User Account Control** window, select **Yes**
10. In the **Installer language** pop up, click on **OK**
11. **DWSIM 6.4 Update 3 Setup** window appears. Click on **Next**
12. In the **License Agreement** section, Choose **I Agree**
13. In the DWSIM Version Information section, Click on **Next**
14. In **Select components to install** field, Check all the check boxes and click **Next**
15. In the **Choose Install Location** section, Click on **Next**
16. In the **Choose Start Menu Folder** section, Click on **Install**
17. In the **ChemSep 8.23 LITE Setup License Agreement** section, Choose **I Agree**
18. In the **Choose Users** section, Click on **Next**
19. In the **Choose Install Location** section, Click on **Next**
20. In the **Choose Start Menu Folder** section, Click on **Install**
21. On completion, **Setup was completed successfully** message appears. Now, click on **Next**
22. Click on **Finish**

23. In the **CAPE-OPEN Type Libraries x64 or x32 Setup** section, Click on **Next**
24. Select I accept the terms in the License Agreement check box
25. Click on **Next**
26. In the **Installation Scope** section, Click on **Next**
27. Click on **Install**
28. Click on **Finish**
29. In **Command prompt**, some commands are executes automatically
30. Wait for a few seconds
31. Once the execution is completed, click on **Next** in **DWSIM 6.4 Update 3 Setup** window
32. Click on **Finish**
33. **DWSIM** is successfully installed message will be displayed and a shortcut icon will appear on your **Desktop**

1.3 The procedure to check the DWSIM Installation

To check the software installation, please follow these steps:

1. Go to <https://spoken-tutorial.org>
2. Click on **All Courses** drop-down and choose **DWSIM**
3. Click on **All Languages** drop-down and choose **English**
4. Click on **Search**
5. Scroll down and click on the **Rigorous Distillation** tutorial
6. Download and save the code files **Rigorous-Distillation-Codefiles**
7. Extract the zip file
8. Go to **DWSIM (Classic UI)**, right click on it and select **Run as Administrator**
9. **User Account control** window opens. Click on **Yes** to continue.
10. DWSIM window will now open. From the **File** menu, click on **Open File**
11. Navigate to **Rigorous Distillation-code files**, select **DWSIM_Rigorous Distillation column_Code Files** folder and then open the **shortcut-end** file
12. From the toolbar, click on the **Solve Flowsheet** button
13. A message **The flowsheet was calculated successfully** will appear in the **Information pane** present at the bottom of the **DWSIM** interface.

2 The procedure to install DWSIM on Ubuntu Linux 16.04/18.04/20.04

2.1 Getting ready for DWSIM installation

1. To follow the installation procedure, you need to be connected to the Internet
2. Following system requirements should be met:
 - i. Mono Framework 6.8.0 or newer
 - ii. 2 GB RAM
 - iii. 1.0 GHz dual-core processor (minimum)
 - iv. 2 GB Disk space for program files
 - v. Graphics Card: 128 MB with OpenGL hardware acceleration
 - vi. Display: 1280x800 display resolution is recommended as a minimum
3. Please note: **gdebi** will be required for installing the deb packages
(To install **gdebi**, open the terminal and type the command

sudo apt-get install gdebi

A Prompt appears: **Do you want to Continue [Y/n]**, press **Y** to continue.)

2.2 Installing DWSIM on your machine

1. Open your default web browser.
2. In the address bar, type the url: **https://sourceforge.net/projects/dwsim/files/DWSIM** and press **Enter**
3. Under **Parent** folder, click on **DWSIM 6.4**
4. Scroll down and click on **6.4.3**
5. Click on **dwsim_6.4.3-amd64.deb**
6. The zip file will be downloaded and saved in the default **Downloads** folder
7. Open the terminal by pressing **Ctrl + Alt + T** keys together
8. Type the following command and press **Enter**
sudo apt-get update
9. To install **Mono Framework** version 6.8.0 or newer,
 - a. Go to the website: <https://www.mono-project.com/download/stable/#download-lin>
 - b. Follow the instructions given in the section **Add the Mono repository to your system** based on your OS version.

*For example, in Ubuntu 16.04, type the following commands on the terminal.
Press Enter after each command.*

 - `sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys 3FA7E0328081BFF6A14DA29AA6A19B38D3D831EF`
 - `sudo apt install apt-transport-https ca-certificates`
 - `echo "deb https://download.mono-project.com/repo/ubuntu stable-xenial main" | sudo tee /etc/apt/sources.list.d/mono-official-stable.list`
 - `sudo apt update`
 - c. Next **Install Mono** using the following commands. If the following prompt appears: **Do you want to Continue[Y/n]**, press **Y** to continue
 - **sudo apt-get install mono-devel**
 - **sudo apt-get install mono-complete**
 - **sudo apt-get install mono-vbnc**
10. Change the directory using **cd** command to the location where the downloaded **dwsim_6.4.3-amd64.deb** file is saved. For example, **cd Downloads**
11. Next type: **sudo gdebi dwsim_6.4.3-amd64.deb** and press **Enter**
12. To open **DWSIM**, type **dwsim-classic** and press **Enter**
13. **DWSIM** interface will open on your machine. This means that **DWSIM** is successfully installed. Do not close the **terminal** while using **DWSIM** because it will close **DWSIM** as well

2.3 The procedure to check the DWSIM Installation

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2. Click on **All Courses** drop-down and choose **DWSIM**
3. Click on **All Languages** drop-down and choose **English**
4. Click on **Search**
5. Scroll down and click on the **Rigorous Distillation** tutorial
6. Download and save the code files
7. Extract the zip file
8. Open a **command terminal** by pressing Ctrl+Alt+T and type **dwsim-classic**
9. **User Account control** window opens. Click on **Yes** to continue.
10. **DWSIM** window will now open. From the **File** menu, click on **Open File**
11. Navigate to **Rigorous Distillation-code files**, select **DWSIM_Rigorous Distillation column_Code Files** folder and then open the **shortcut-end** file
12. From the toolbar, click on the **Solve Flowsheet** button
13. A message **The flowsheet was calculated successfully** will appear in the information pane present at the bottom of the **DWSIM** interface.
Please Note: To display the **Information pane**, go to the toolbar at the top and click on **View** and select the **Restore layout of all Docking Panels** option. An **Information pane** will appear at the bottom of the **DWSIM** interface.