SciLab

Installation of SciLab Software

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Whatever your platform is (i.e. Windows, Linux or Mac), Scilab binaries can be downloaded directly from the Scilab homepage
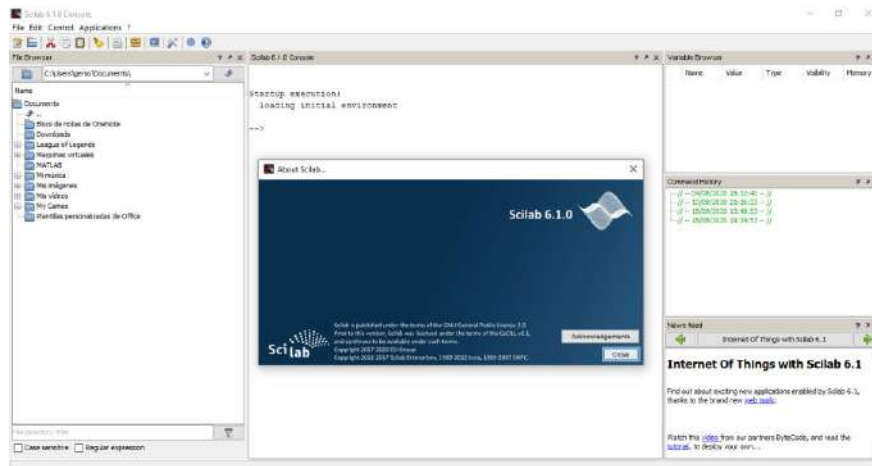

Figure 1. SciLab console under windows OS

Scilab binaries are provided for both 32 and 64 bits platforms so that it matches the target installation machine. Scilab can also be downloaded in source form, so that you can compile Scilab by yourself and produce your own binary. Compiling Scilab and generating a binary is especially interesting when we want to understand or debug an existing feature, or when we want to add a new feature. To compile Scilab, some prerequisites binary files are necessary, which are also provided in the Download center.

Installing Scilab under Windows

Scilab is distributed as a Windows binary and an installer is provided so that the installation is really easy. The Scilab console is presented in figure 1. Several comments may be done about this installation process. On Windows, if your machine is based on an Intel processor, the Intel Math Kernel Library (MKL) enables Scilab to perform faster numerical computations.

Installing Scilab under Linux

Under Linux, the binary versions are available from Scilab website as.tar.gz files. There is no need for an installation program with Scilab under Linux: simply unzip the file in one target 4 directory. Once done, the binary file is located in /scilab-6.1.0/bin/scilab. When this script is executed, the console immediately appears and looks exactly the same as on Windows. Notice that Scilab is also distributed with the packaging system available with Linux distributions based on Debian (for example, Ubuntu). That installation method is extremely simple and efficient. Nevertheless, it has one little drawback: the version of Scilab packaged for your Linux distribution may not be up-to-date. This is because there is some delay (from several weeks to several months) between the availability of an up-to-date version of Scilab under Linux and its release in Linux distributions.

Installing Scilab under Mac OS

Under Mac OS, the binary versions are available from Scilab website as a .dmg file. This binary works for Mac OS versions starting from version 10.5. It uses the Mac OS installer, which provides a classical installation process. Scilab is not available on Power PC systems. using Scilab on Mac OS system is easy, and uses the shorcuts which are familiar to users of this platform. For example, the console and the editor use the Cmd key (Apple key) which is found on Mac keyboards. Moreover, there is no right-click on this platform. Instead, Scilab is sensitive to the Control-Click keyboard event.

Procedure to install SciLab software in Windows :

- You can download Scilab from the scilab.org website.
- Open chrome browser and type http://www.scilab.org
- Scilab official website will open
- Go to the downloads menu and click on it, or use http://www.scilab.org/download
- Scroll down, select Scilab latest version 6.1.0 under the windows vista
- Select the required file
- click on it. this will start downloading the exe file.
- It will take a few minutes to complete the download
- Once done, Open the downloaded file and double click on it
- A popup window appears, click on YES

- Select language as English

- Click on next, next and keep on clicking next

- After installation completed click on finish

- Scilab console window will open

- Close the opened window and reopen the Scilab software by clicking Scilab icon which is display on your system.