How to install the Workbench for STM32

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Standard Installation

 Download the Workbench for STM32 installer that is here: <u>http://www.openstm32.org/HomePage</u> This package contain Eclipse (Kepler version) and STM32 Workbench.

ATTENTION

You must choose the right version for your operating system (32bit or 64bit).

Install the Workbench for STM32
 Unzip the System Workbench for STM32 and install it.

 If the installation don't start, please install before Eclipse and after update it to STM32 workbench, see here.

ATTENTION

If a pop up **error message** about **JavaRE** is displayed, it means the proper version JavaRE is not installed on your system, see below.



Click on the "Ok" to get redirected to the Oracle JAVA website.

Java SE Runtime Environment 7u72 You must accept the Oracle Binary Code License Agreement for Java SE to download this software.									
					Accept License Agreement				
Product / File Description	Eilo Sizo	Download							
Product/The Description	116 3126	Download							
Linux x86	31.58 MB	jre-7u72-linux-i586.rpm							
Linux x86	46.23 MB	🛓 jre-7u72-linux-i586.tar.gz							
Linux x64	32.11 MB	jre-7u72-linux-x64.rpm							
Linux x64	44.86 MB	jre-7u72-linux-x64.tar.gz							
Mac OS X x64	48.57 MB	jre-7u72-macosx-x64.dmg							
Mac OS X x64	44.52 MB	jre-7u72-macosx-x64.tar.gz							
Solaris x86	52.17 MB	🛓 jre-7u72-solaris-i586.tar.gz							
Solaris x64	16.11 MB	🛓 jre-7u72-solaris-x64.tar.gz							
Solaris SPARC	54.88 MB	🝷 jre-7u72-solaris-sparc.tar.gz							
Solaris SPARC 64-bit	18.09 MB	🛓 jre-7u72-solaris-sparcv9.tar.gz							
Windows x86 Online	0.89 MB	jre-7u72-windows-i586-iftw.exe							
Windows x86 Offline	28.11 MB	jre-7u72-windows-i586.exe							
Windows x86	40 MB	jre-7u72-windows-i586.tar.gz							
Windows x64	29.6 MB	jre-7u72-windows-x64.exe							
Windows x64	41.72 MB	jre-7u72-windows-x64.tar.gz							

ATTENTION

The architecture version for System Workbench for STM32 MUST be identical to your Java architecture version. example:

Workbench STM32 64bits and JavaRE 7 (or upper) 64bits

During the installation procedure you must follow the explanation that appears in the boxes.

The first box describes the product features.

Click on the "Next" button.

Please read and accept the license agreement to continue the installation. Click on the "Next" button.

Choose the installation path (default: C:\Ac6\SystemWorkbench). Please avoid choosing path with space such as "C:\Program Files\...". Click on the "Next" button.

ATTENTION

If you install the Workbench for STM32 in a ORACLE VirtualBoax, at the end of the installation restart your VM.

Update an Eclipse installation with STM32 Workbench

If the standard installation of the System Workbench for STM32 doesn't work properly do this steps.

- Verify that on your PC is present Java, if is not present Install Java
- Install Eclipse
- Update Eclipse to System Workbench for STM32

Test your PC for know if java is present

If you don't know if there is a JRE on your PC do this steps (for Windows 7). Select **START** (1) and next **Control Panel** (2), see below.



From the window that appears select: **Programs and Features** see below.



From the new window that appears you must see something like below, see the red box. In my case I have installed the Java 7 update 71 (64bit).

Control Panel All Control Panel Items Programs and Features		
Control Panel Home	Uninstall or change a program	
	onnibuli of change a program	
View installed updates	To uninstall a program, select it from the list and then click Uninstall, Chang	
Turn Windows features on or off		
Install a program from the	Organize 🔻	
network	Name	
	III HP Client Management Interface Utilities	
	HP Connection Manager	
	1 HP HotKey Support	
	Y HP Webcam	
	IAR Embedded Workbench for ARM	
	Image Resizer Powertoy Clone for Windows (04 bit)	
	IPCamSetup	
	🕌 Java 7 Update 71 (64-bit)	
	J-Link ARM V4.77a	
	🔣 Keil µVision4	
	LibreOffice 3.6	
	LibreOffice 3.6 Help Pack (English)	
	MBAXP 1.4.10	
	WI MCCAD GView	

If you don't see Java, please install it.

You must choose the <u>right JRE or JSE for your PC</u> (32bit or 64bit). I prefer the JSE, for see the differences from JSE and JRE see <u>here</u>.

Install Eclipse on your PC

For install <u>ECLIPSE</u> in your PC, please choose the: <u>Eclipse Kepler IDE for C/C++ Developers</u> and choose the right version for your PC (**32bit** or **64bit**).

Update Eclipse to System Workbench for STM32

For update your Eclipse installation to System Workbench for STM32 do this steps.

Select Help and Install New Software, see below.



From the new window that appears you must select **ADD** and a new window appears. Now in this new window you must **set a name**, for example: STM32 Workbench and **set the http address** where there is the SW for STM32 Workbench that at the moment is:

<u>http://www.ac6-tools.com/Eclipse-updates/org.openstm32.system-workbench.site/</u> and press **OK**.

ATTENTION:

In the future release, the link may be changed, please read the instruction in this page:

http://www.openstm32.org/Installing+System+Workbench+for+STM32+from+Eclips e?structure=Documentation

-	system workbench for 31M32 - Bale Metal edition	Local
Location	/Eclipse-updates/org.openstm32.system-workbench.site	Archive

Now you must configure the window as shown below.

Install	
Available Software	
Check the items that you wish to install.	
	0
Work with: System Workbench for STM32 - http://www.ac6-tools.com/Eclipse	e-updates/org.openstm32.system-workbench.site/
	Find more software by working with the <u>"Available Software Sites"</u> preferences.
type filter text	
Name	Version
V IOD External Tools	
V V V V V V V V V V V V V V V V V V V	
Select All Deselect All 9 items selected	
- Details	
	*
Show only the latest versions of available software	Hide items that are already installed
✓ Group items by category	What is <u>already installed</u> ?
Show only software applicable to target environment	
$\overline{\mathbb{V}}$ Contact all update sites during install to find required software	
(?)	< Back Next > Finish Cancel

After the pressure of the **NEXT** button the new SW are downloaded (you must accept the license agreement) and at the end the STM32 Workbench is installed in Eclipse.

Check for Update

Time to time, STM update the STM32 Workbench, so for check if there is a new update do this:

Open Eclipse and select: $\text{Help} \rightarrow \text{Check}$ for Update

Eclipse automatically check if there is an update available for STM32 Workbench.