

NeaPolis Innovation



Toolchain Installation

ChibiStudio 20.4 & Tools Installation

Download the following

1. 7zip 19.00 for Windows

<https://www.7-zip.org/a/7z1900-x64.exe>

2. ChibiStudio 2020-04 for Windows

https://osdn.net/projects/chibios/downloads/70767/ChibiStudio_Windows_2020-04.7z/


3. JDK 15.0.2 for Windows

https://download.java.net/java/GA/jdk15.0.2/0d1cfde4252546c6931946de8db48ee2/7/GPL/openjdk-15.0.2_windows-x64_bin.zip

4. STMicroelectronics STSW-LINK009 - ST-Link USB driver

<https://www.st.com/en/development-tools/stsw-link009.html>

1. Download 7zip from following link:
<https://www.7-zip.org/a/7z1900-x64.exe>
2. Install 7-Zip following instructions from wizard
3. Check if 7zip has been installed going in Start -> Settings -> App



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7-Zip

7-Zip is a file archiver with a high compression ratio.

Download 7-Zip 19.00 (2019-02-21) for Windows:

Link	Type	Windows	Size
Download	.exe	32-bit x86	1.2 MB
Download	.exe	64-bit x64	1.4 MB

Download 7-Zip 20.02 alpha (2020-08-08) for Windows:

Link	Type	Windows	Size
Download	.exe	32-bit x86	1.2 MB
Download	.exe	64-bit x64	1.4 MB
Download	.exe	64-bit ARM64	1.5 MB

License

7-Zip is **free software** with **open source**. The most of the code is under the **GNU LGPL** license. Some parts of the code are under the BSD 3-clause License. Also there is unRAR license restriction for some parts of the code. Read [7-Zip License](#) information.

You can use 7-Zip on any computer, including a computer in a commercial organization. You don't need to register or pay for 7-Zip.

7-Zip 20.02	2020-08-08
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[7-Zip 20.02 alpha](#)

7-Zip for ARM64	2020-08-08
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[7-Zip for ARM64](#)

7-Zip 20.00	2020-02-06
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[7-Zip 20.00 alpha](#)

7-Zip 19.00	2019-02-21
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[7-Zip 19.00](#)

[7-Zip ChangeLog](#)

[History of 7-zip changes](#)

ChibiStudio 2020-04

1. Download ChibiStudio from following link

https://osdn.net/projects/chibios/downloads/70767/ChibiStudio_Windows_2020-04.7z/

2. Extract files using 7-Zip into C:\



OSDN > Find Software > System > Embedded systems > ChibiOS > Download File List > Package ChibiStudio > Release Windows

Category: Software

ChibiOS [Donation](#)

Description Downloads Source Code News

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Project Description

Free and Open Source RTOS for micro controllers. The OS is a complete development environment for modern MCU including a RTOS kernel, an HAL for peripherals abstraction and all the required support software. A full development environment based on Eclipse is also provided.

System Requirements

System requirement is not defined

Review

5.0
★★★★★
1 Reviews

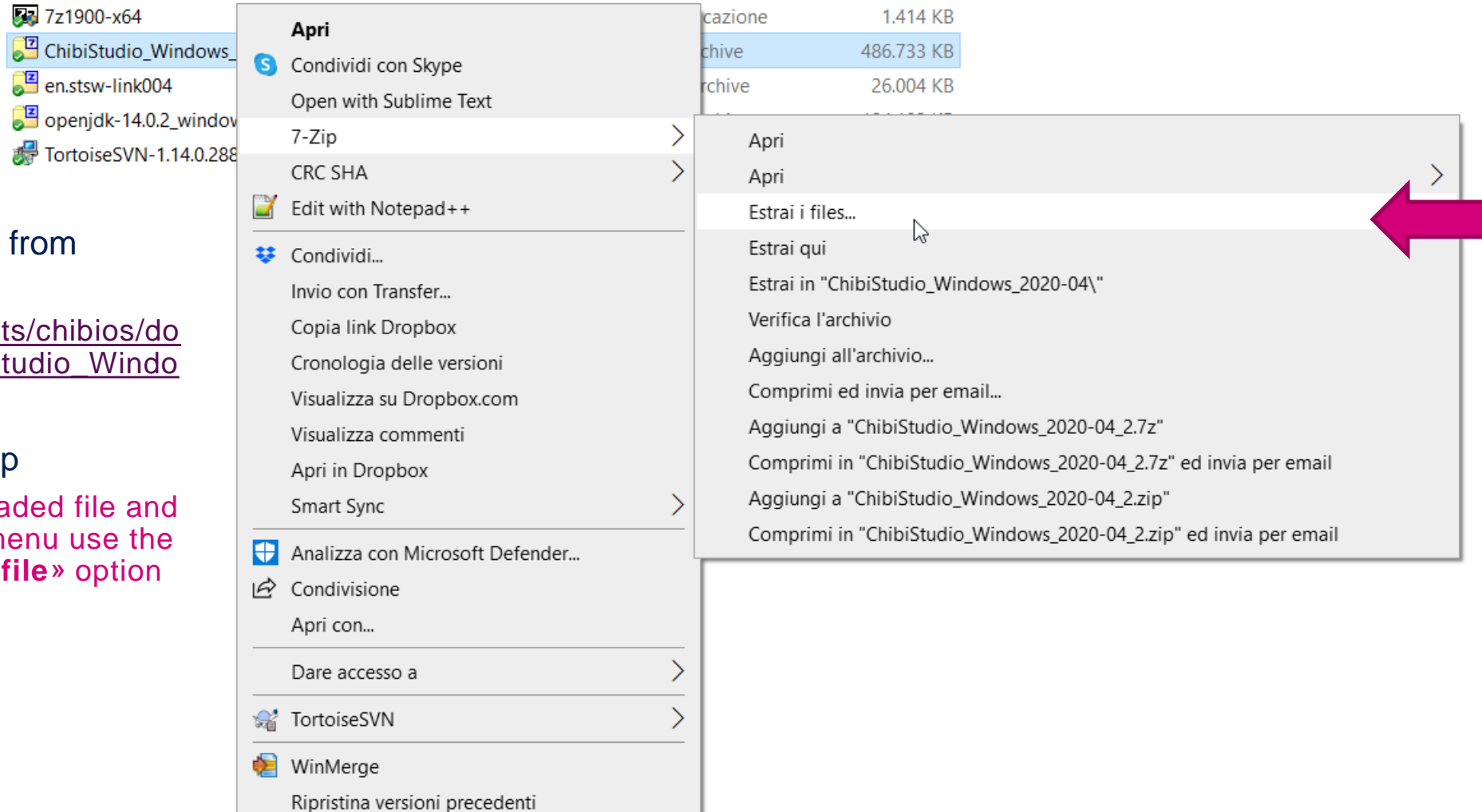
[Review this project](#)

ChibiStudio Windows (2 files) [Hide](#) [%](#) Released at 2019-03-17 22:20

Name ^	Size ↕	Hash	Date ↕	Download count ↕
ChibiStudio_Windows_2020-04.7z %	475.32 MB	Show	2020-05-07 17:58	1026
ChibiStudio_Windows_Preview21.7z %	433.56 MB	Show	2019-03-18 02:29	4121

Release Notes

- ChibiOS GPL
 - Stable 20.3.x
 - Stable 19.1.x
 - Stable 18.2.x
- ChibiStudio
 - Linux
 - Windows**
 - Various
 - ChibiStudio in Linux Mi



1. Download ChibiStudio from following link

https://osdn.net/projects/chibios/downloads/70767/ChibiStudio_Windows_2020-04.7z/

2. Extract files using 7-Zip

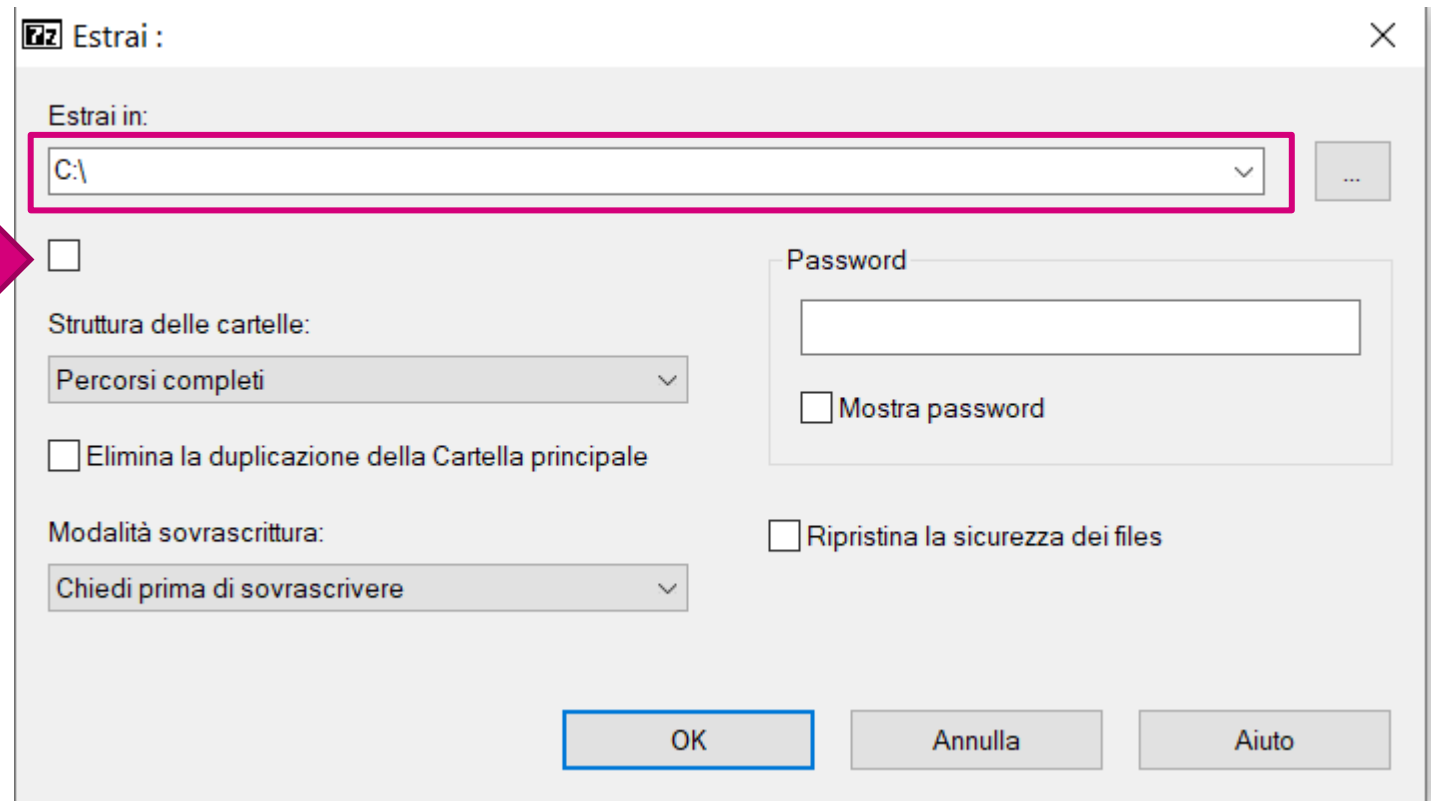
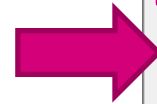
1. Select the downloaded file and from the context menu use the «7-Zip -> Extract file» option

1. Download ChibiStudio from following link

https://osdn.net/projects/chibios/downloads/70767/ChibiStudio_Windows_2020-04.7z/

2. Extract files using 7-Zip

1. Insert **C:** as extraction path
2. Uncheck the box



OpenJDK 15 - 64-bit

1. Download OpenJDK version 15

<https://jdk.java.net/15/>

Ensure to download 64-bit Windows version



jdk.java.net

GA Releases
JDK 15
JMC 7

Early-Access Releases
JDK 17
JDK 16
JDK 8
Lanai
Loom
Metropolis
Panama
Valhalla

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Java SE 15
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Java SE 12
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JDK 15.0.2 General-Availability Release

This page provides production-ready open-source builds of the Java Development Kit, version 15, an implementation of the Java SE 15 Platform under the GNU General Public License, version 2, with the Classpath Exception.

Commercial builds of JDK 15.0.2 from Oracle, under a non-open-source license, can be found at the Oracle Technology Network.

Documentation

- Features
- Release notes
- API Javadoc

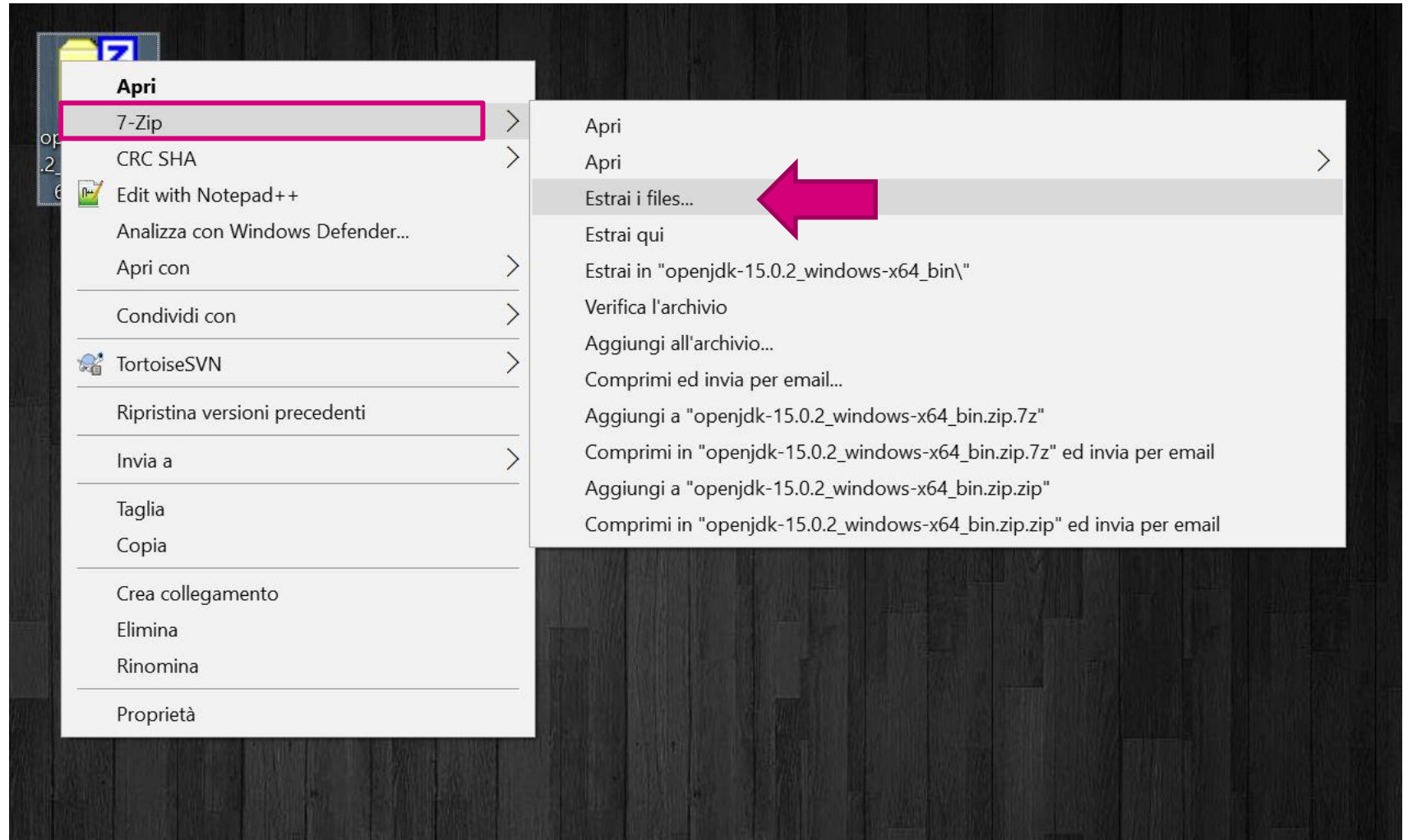
Builds

Linux/AArch64	tar.gz (sha256)	170507166 bytes
Linux/x64	tar.gz (sha256)	195340587
macOS/x64	tar.gz (sha256)	192067136
Windows/x64	zip (sha256)	195939486

Notes

- The Alpine Linux build previously available on this page was removed as of the first JDK 15 release candidate. It's not production-ready because it hasn't been tested thoroughly enough to be considered a GA build. Please use the [early-access JDK 16 Alpine Linux](#) build in its place.
- If you have difficulty downloading any of these files please contact jdk-download-help_ww@oracle.com.

1. Extract OpenJDK version 15



OpenJDK 15 - 64-bit

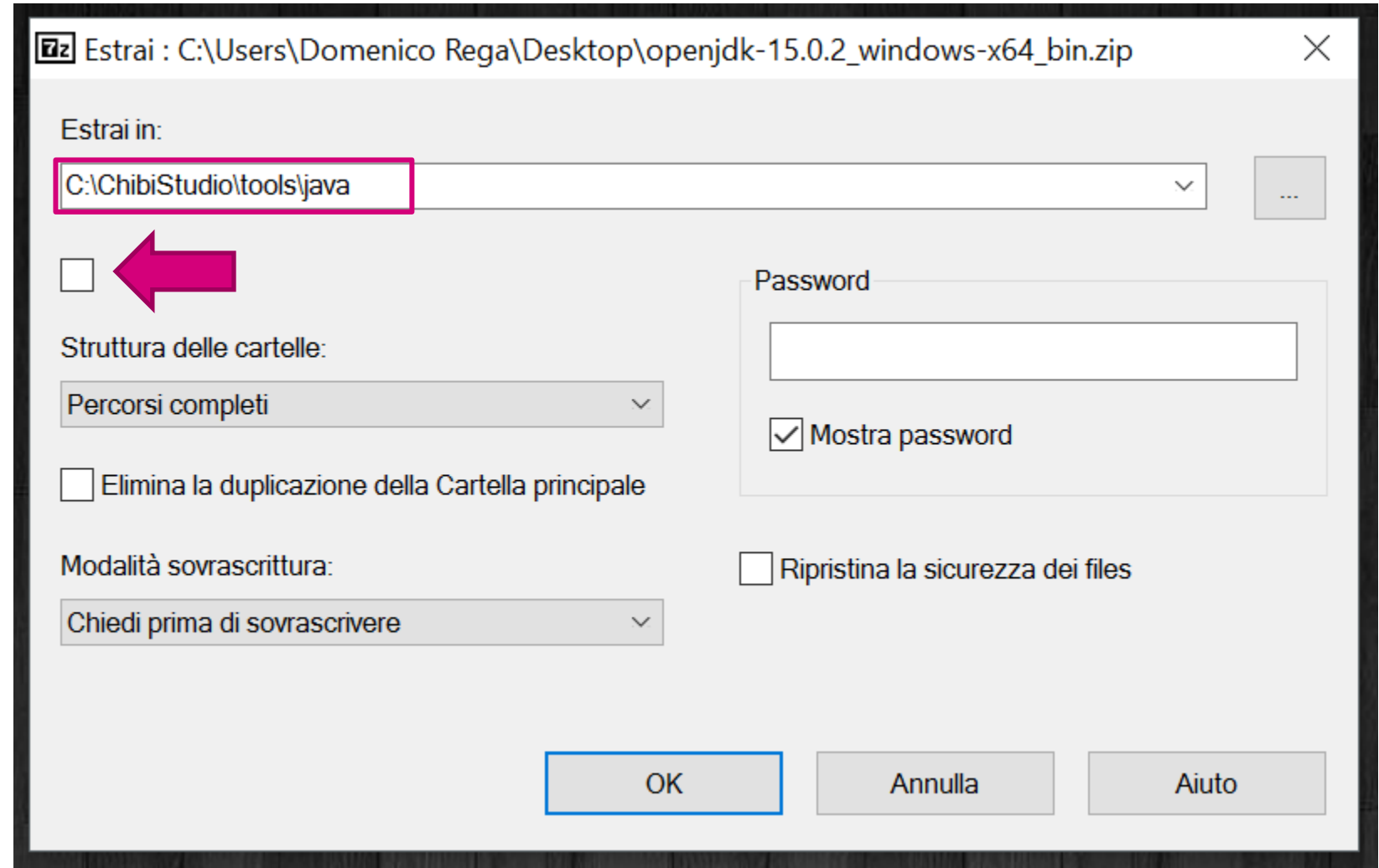
1. Extract OpenJDK version 15

1. Select the correct path:

C:\ChibiStudio\tools\java

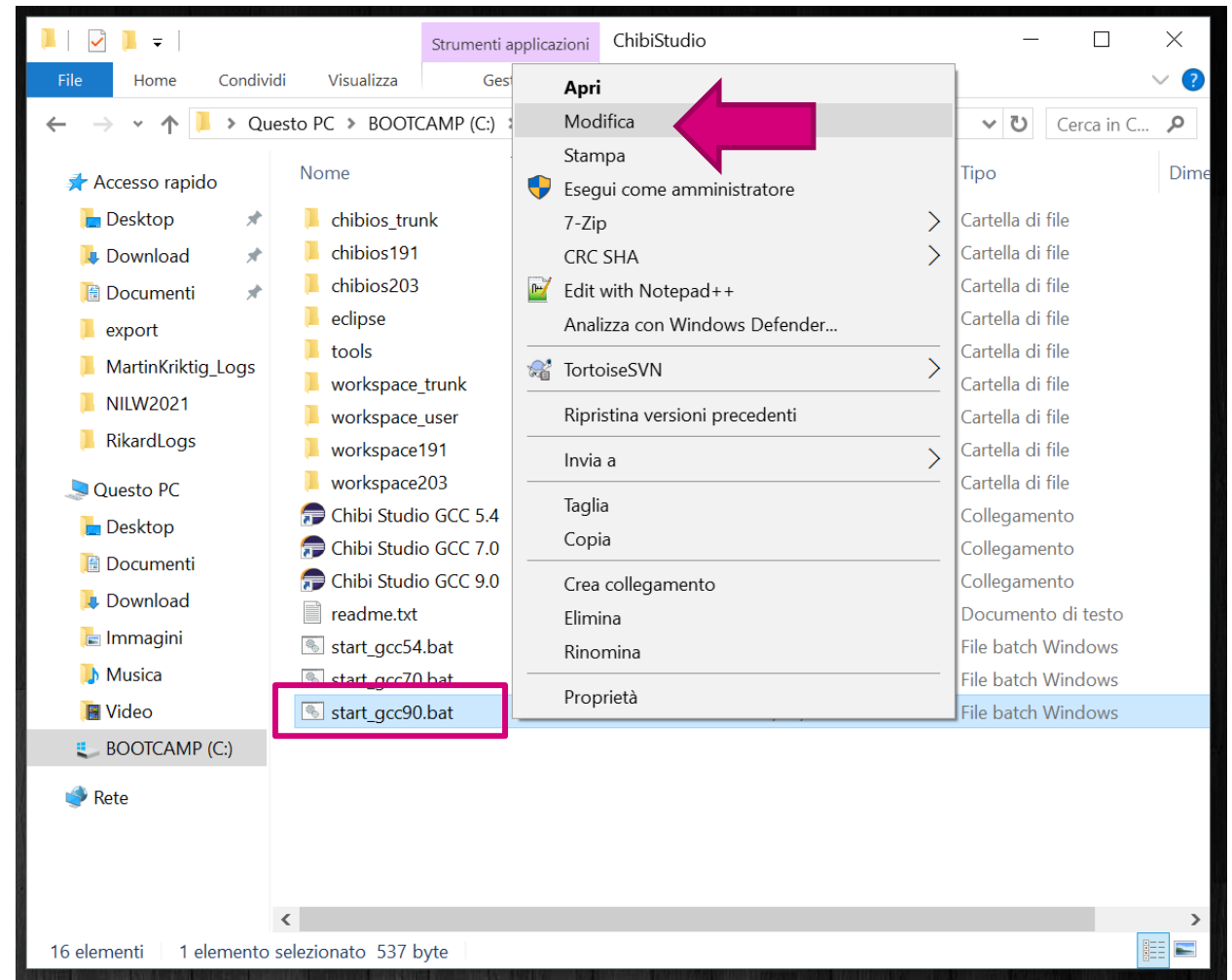
2. Uncheck the box.

3. Extract the folder.



OpenJDK 15 - 64-bit

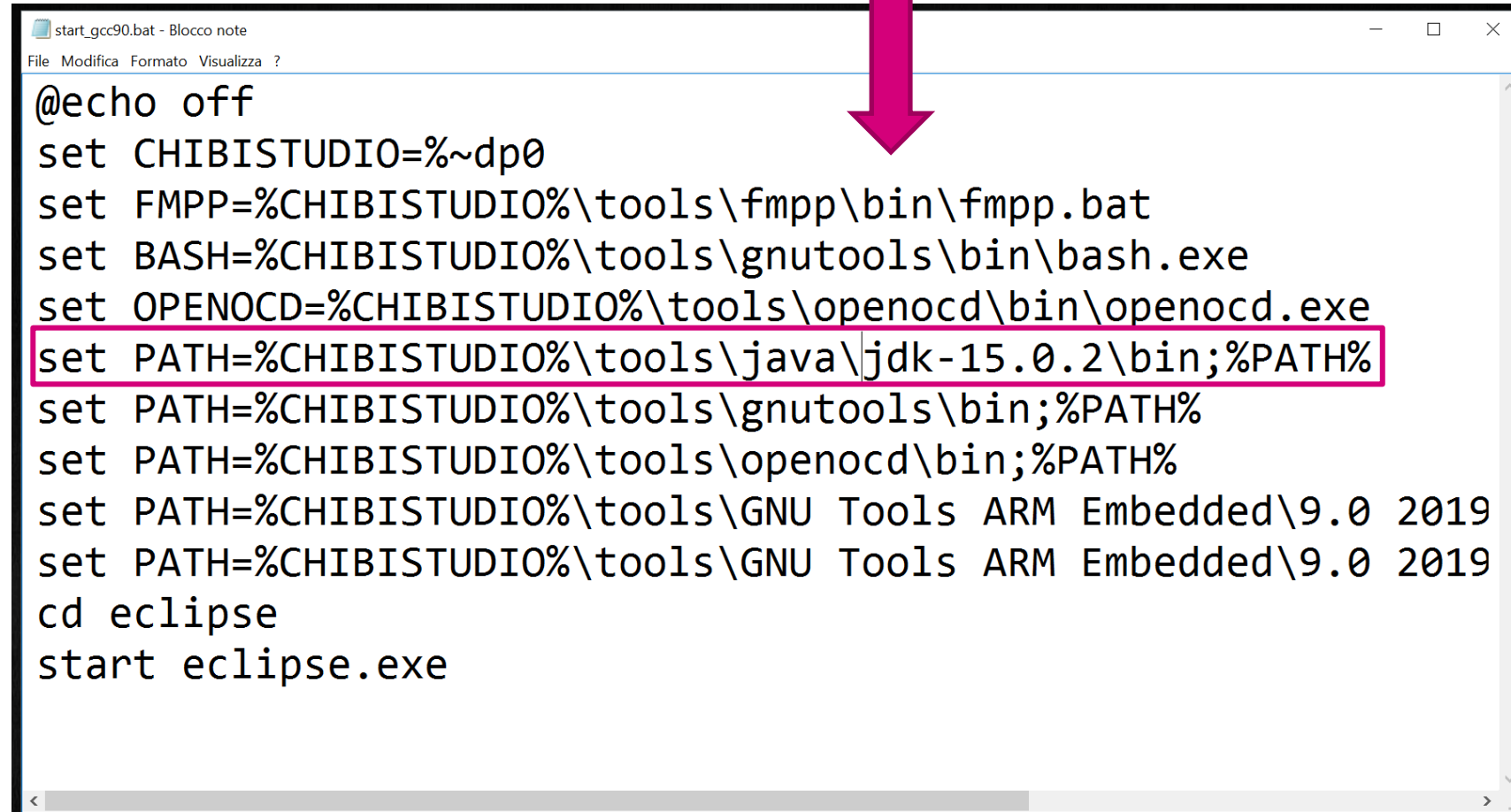
1. Open ChibiStudio installation folder.
2. Right click the file «*start_gcc90.bat*» then edit.



1. Open ChibiStudio installation folder.
2. Right click the file «*start_gcc90.bat*» then edit.
3. Insert the following string.
4. Save the file.

Ensure it is in the correct line.

set PATH=%CHIBISTUDIO%\tools\java\jdk-15.0.2\bin;%PATH%



```
start_gcc90.bat - Blocco note
File Modifica Formato Visualizza ?
@echo off
set CHIBISTUDIO=%~dp0
set FMPP=%CHIBISTUDIO%\tools\fmpp\bin\fmpp.bat
set BASH=%CHIBISTUDIO%\tools\gnutools\bin\bash.exe
set OPENOCD=%CHIBISTUDIO%\tools\openocd\bin\openocd.exe
set PATH=%CHIBISTUDIO%\tools\java\jdk-15.0.2\bin;%PATH%
set PATH=%CHIBISTUDIO%\tools\gnutools\bin;%PATH%
set PATH=%CHIBISTUDIO%\tools\openocd\bin;%PATH%
set PATH=%CHIBISTUDIO%\tools\GNU Tools ARM Embedded\9.0 2019
set PATH=%CHIBISTUDIO%\tools\GNU Tools ARM Embedded\9.0 2019
cd eclipse
start eclipse.exe
```

OpenJDK 15 - 64-bit

You can download the edited file here:

<https://github.com/delloiaconos/chibistudio-starter>

And replace them in ChibiStudio installation path.



main 1 branch 0 tags Go to file Add file Code

delloiaconos -- ADDED ChibiStudio_2020-04 starter files 651435b 14 minutes ago 2 commits

- ChibiStudio_2020-04 -- ADDED ChibiStudio_2020-04 starter files 14 minutes ago
- README.md -- ADDED ChibiStudio_2020-04 starter files 14 minutes ago

README.md

ChibiStudio-Starter Files

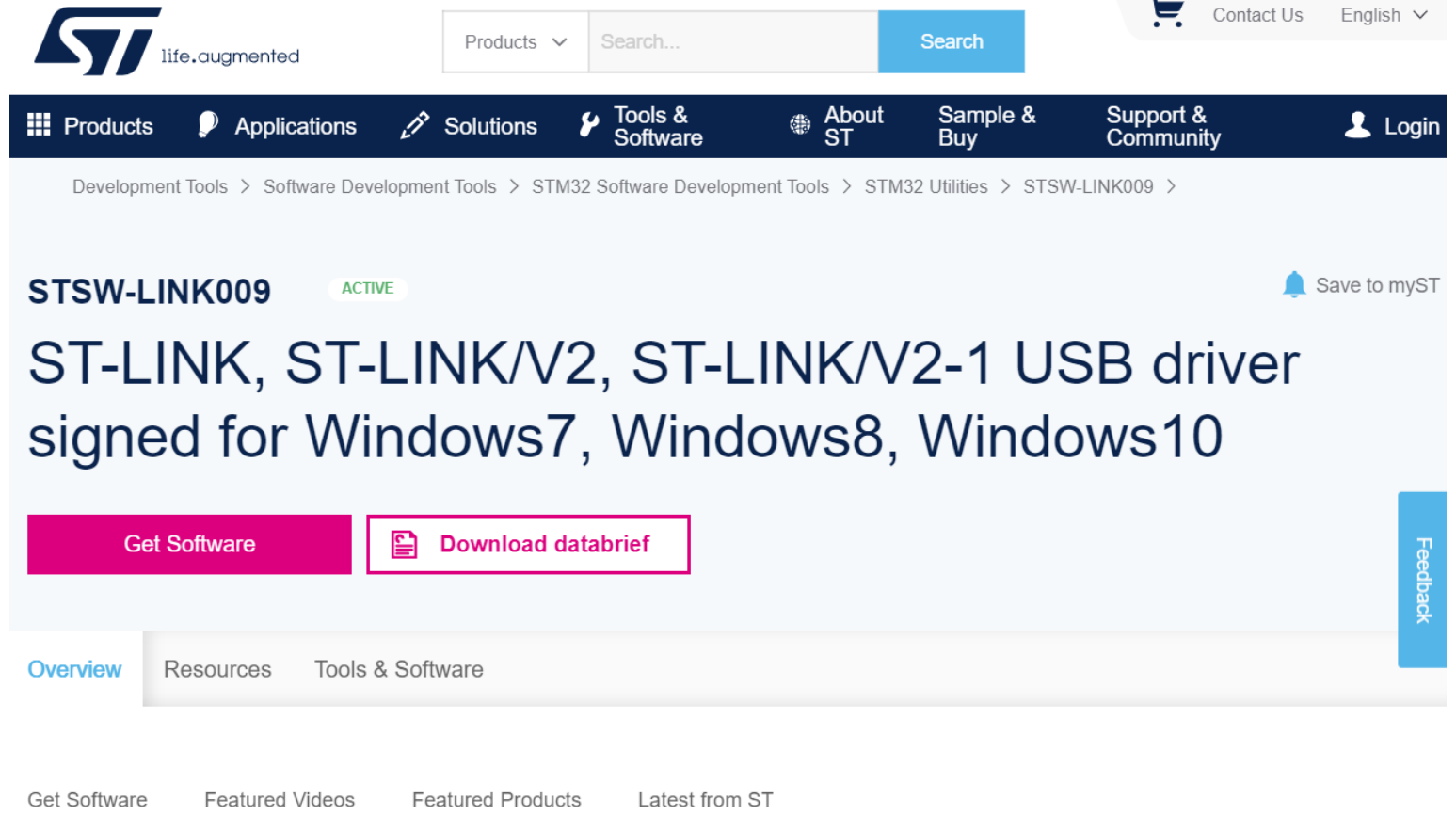
Modified ChibiStudio starter files

1. Download ST-Link USB Driver from following link.

<https://www.st.com/en/development-tools/stsw-link009.html>

You need to register with a valid email address to get the software.

2. Install the software.



The screenshot shows the STMicroelectronics website interface. At the top, there is a navigation bar with the ST logo and the tagline "life.augmented". To the right of the logo is a search bar with a "Search" button. Further right are links for "Contact Us" and "English". Below the navigation bar is a secondary menu with icons and labels for "Products", "Applications", "Solutions", "Tools & Software", "About ST", "Sample & Buy", "Support & Community", and "Login". A breadcrumb trail indicates the current page: "Development Tools > Software Development Tools > STM32 Software Development Tools > STM32 Utilities > STSW-LINK009 >". The main heading is "STSW-LINK009" with a green "ACTIVE" status indicator and a "Save to myST" button. The title of the product is "ST-LINK, ST-LINK/V2, ST-LINK/V2-1 USB driver signed for Windows7, Windows8, Windows10". Below the title are two buttons: "Get Software" and "Download databrief". At the bottom of the page, there are tabs for "Overview", "Resources", and "Tools & Software", and a vertical "Feedback" button on the right side.

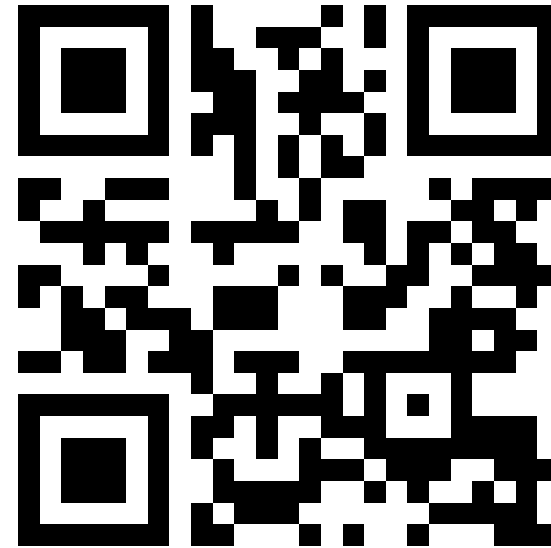
This USB driver (STSW-LINK009) is for ST-LINK/V2, ST-LINK/V2-1 and STLINK-V3 boards and derivatives

Learn by doing

For more info read “**How To Start**” on www.playembedded.org



Article



Video