

2. Installation

2.1. Installing on Windows

To download FishStatJ for Windows, go to fao.org/fishery/statistics/software/fishstatj/en.

FishStatJ - software for fishery statistical time series

FishStatJ is a Java-based desktop application which provides users with access to a variety of fishery statistical datasets. It consists of a main application and several workspaces that include the datasets.

FishStatJ key features

- statistical datasets browsing, data mining, charting and reporting
- filtering, grouping and aggregation through hierarchical dimensions

How to install FishStatJ version 3.04.12 (January 2019)

1. Java8 64-bit is required. Please [download](#) and install Java8 if needed. Currently, it does not work with Java10 or Java11.
2. Download FishStatJ
 - for [Windows64-bit \(7,8,10\) auto-extract or ZIP](#)
 - for [MacOS](#)



Related topics

[Statistics - Introduction](#)

2.1.1. Windows requirements

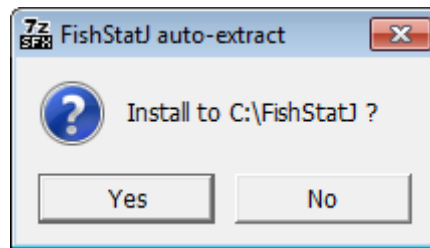
Please note that FishStatJ requires Java 8 to be installed on the computer. If you need to install Java 8, go to oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html. The 64-bit Java Installer is called “Windows x64 Offline”.

Important: FishStatJ is currently not compatible with Java10 or Java11.

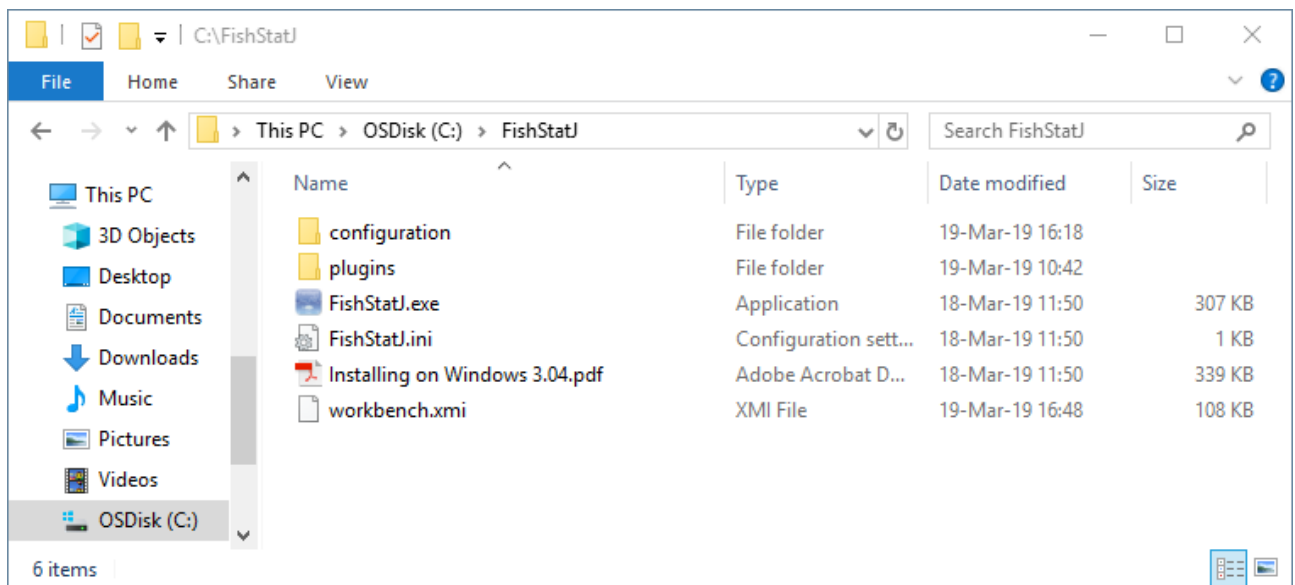
The application runs on Windows 7, 8 and 10 (64-bit only) and requires at least 4GB of RAM. If you cannot run 64-bit applications, please contact FAO's [Fish-Statistics-Inquiries](#) (refer to section 11.7); we will send you the download link to the 32-bit version.

2.1.2. Using Windows Installer

When running the installer (**FishStatJ_Installer.exe**), it will ask for the following permission:



After clicking on the **Yes** button, the installer will extract the application to C:\FishStatJ, and immediately launch FishStatJ after the extraction is complete.



No further action is required.

Please refer to section 2.1.4 if you want to create a shortcut on the Desktop.

Note: The **FishStatJ_Installer.exe** file is not a real installer but a 7-Zip auto extract archive. As such, it does not require administrative permissions. It requires permissions to create the FishStatJ folder on the C:\ disk; this permission is usually available using accounts that lack Administrative rights.

In case you wish to install to another location, or you cannot run the auto-extract; then you can download the ZIP archive and extract the application manually. That process is described in the next pages.

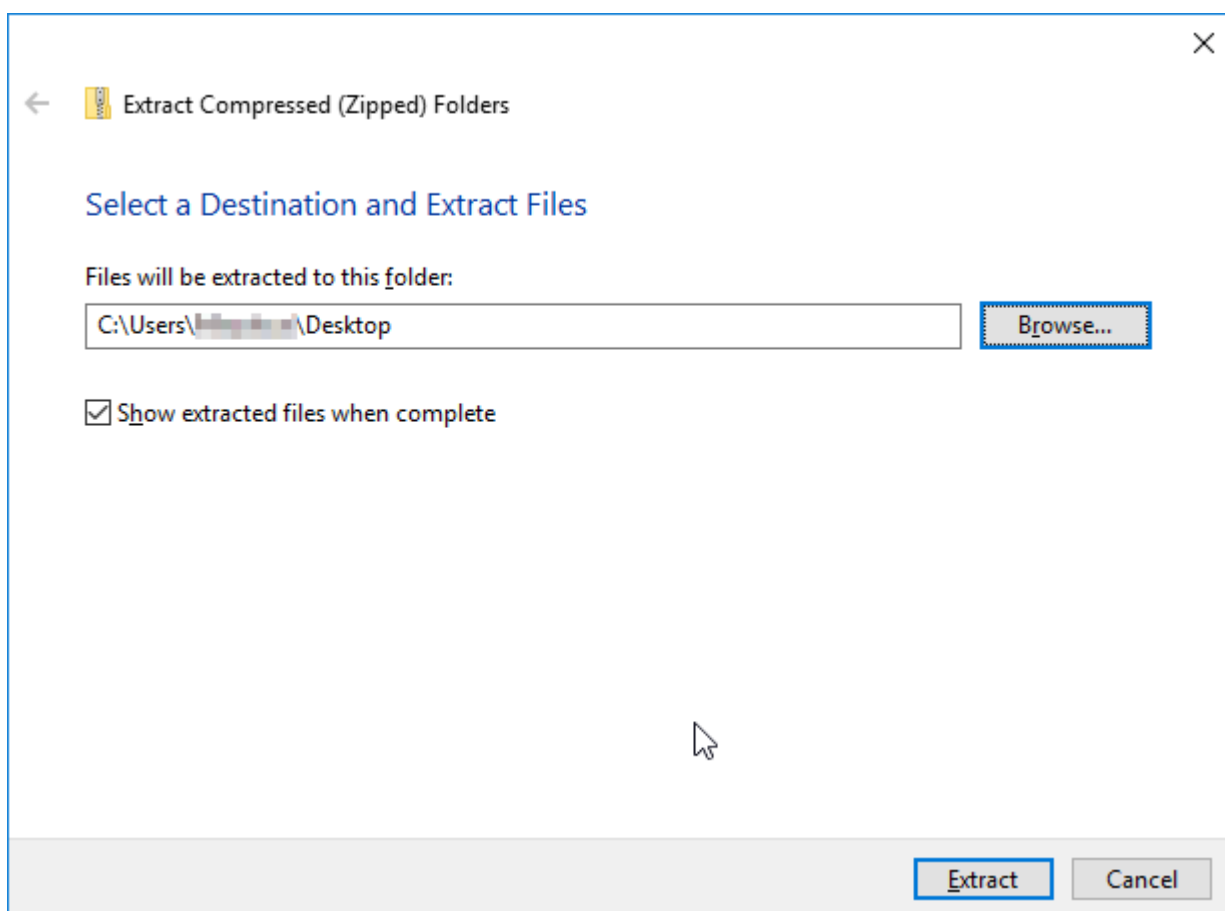
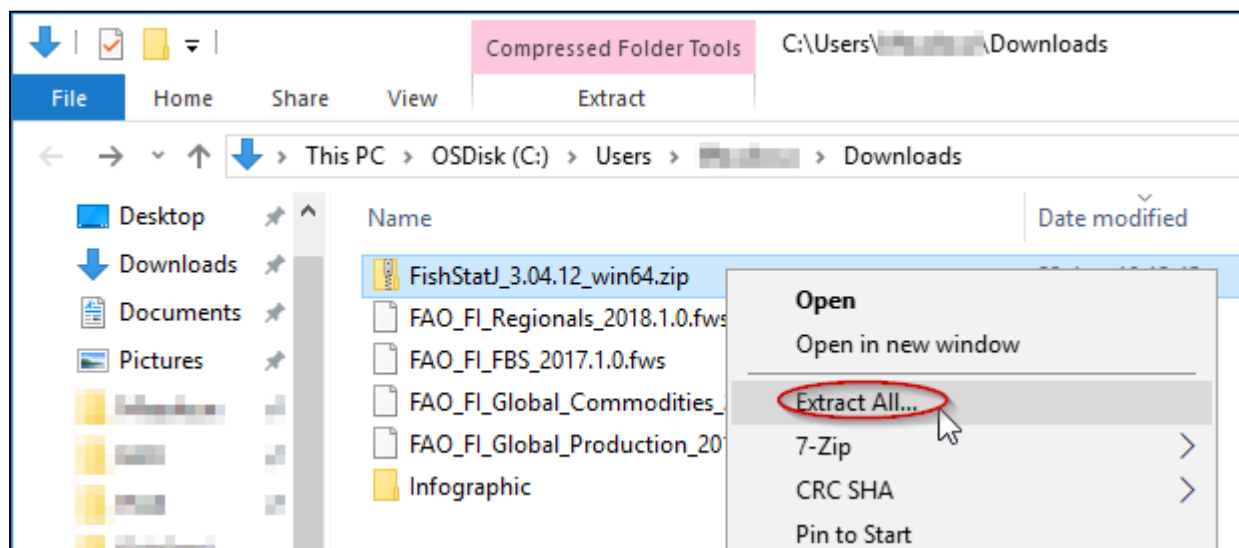
2.1.3. Using Windows ZIP archive

If you are using the auto-extract (EXE); you can skip this section – the installation is complete.

To install on Windows, extract the ZIP-download into a directory where the user has update permissions. Such locations usually include C:\FishStatJ or the Desktop.

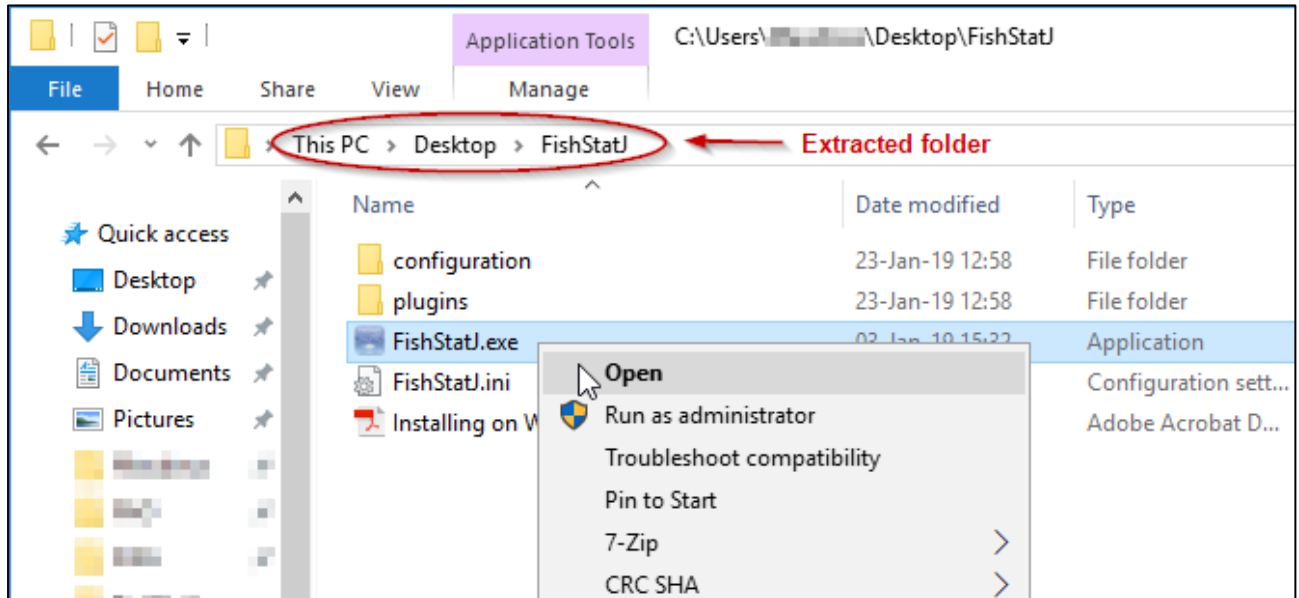
Please note that it is very important when extracting to maintain the zipped file structure with all the required FishStatJ subdirectories!

The first step is to extract the content of ZIP file into the root folder of the C: disk, or onto the Desktop:



Note: Extracting files into C:\Program Files\ usually requires Administrator permissions.

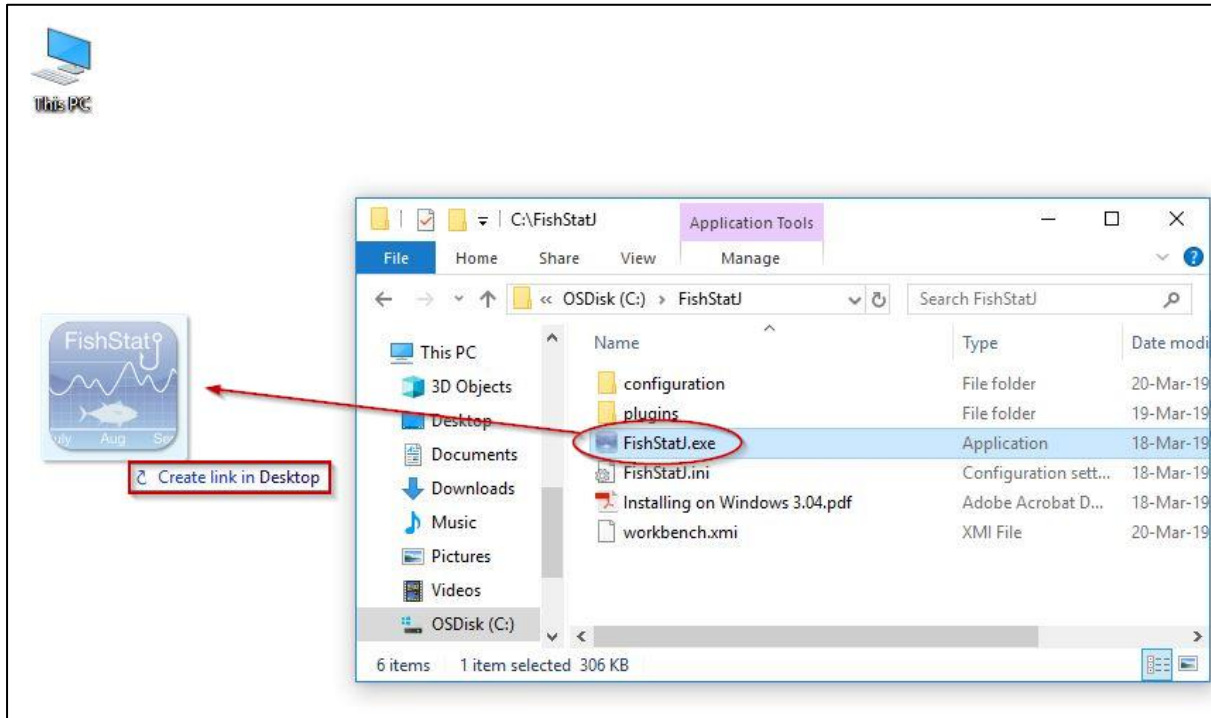
Then, run FishStatJ from the **extracted folder**:



The next step after expanding the application ZIP file is to download workspaces; please refer to section 3.1.

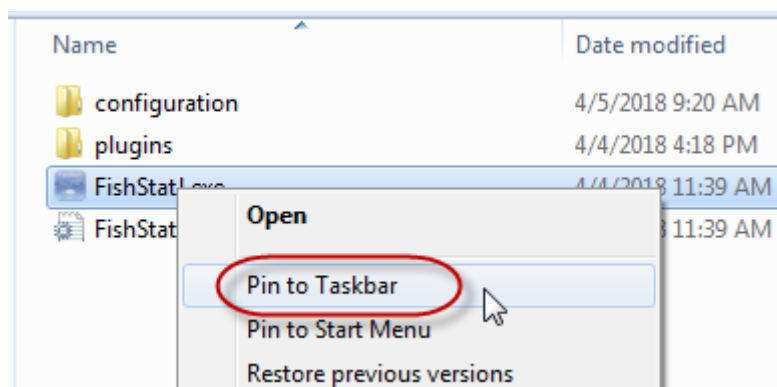
2.1.4. Create a shortcut on the Desktop

To create a shortcut on the Desktop, select the **FishStatJ.exe** file and drag it onto the Desktop while holding the **CTRL** and **SHIFT** keys (when simultaneously holding down both keys the mouse pointer changes into shortcut arrow):

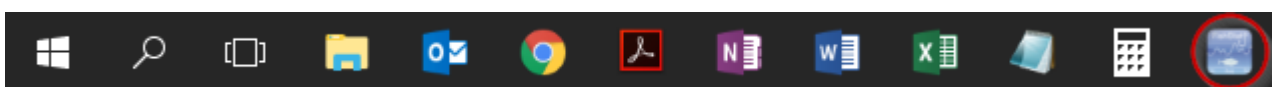


2.1.5. Adding FishStatJ to the Taskbar

Applications can be added to the Taskbar (usually on the bottom of the screen) by right-clicking on the **FishStatJ.exe** file and select the **Pin to Taskbar** option.



A FishStatJ shortcut has now been added to the Taskbar:



2.2. Windows troubleshooting

2.2.1. Installation issues

- Before launching the EXE Auto-Extract to install a new version, exit any open instance of FishStatJ (**File** → **Exit**) so that the files of the new version can be copied.
- If you encounter problems while using FishStatJ, a clean install can be performed easily:
 - Make sure that FishStatJ is not running (**File** → **Exit**)
 - Open the Windows File Browser and delete the C:/FishStatJ folder and all its content
 - Run the FishStatJ_Install.exe program to extract a new copy to C:/FishStatJ

2.2.2. Issues with Java

The majority of issues are related to the Java installation requirement. FishStatJ is a Java-based application, and cannot not run if Java8 64-bit is not installed and active.

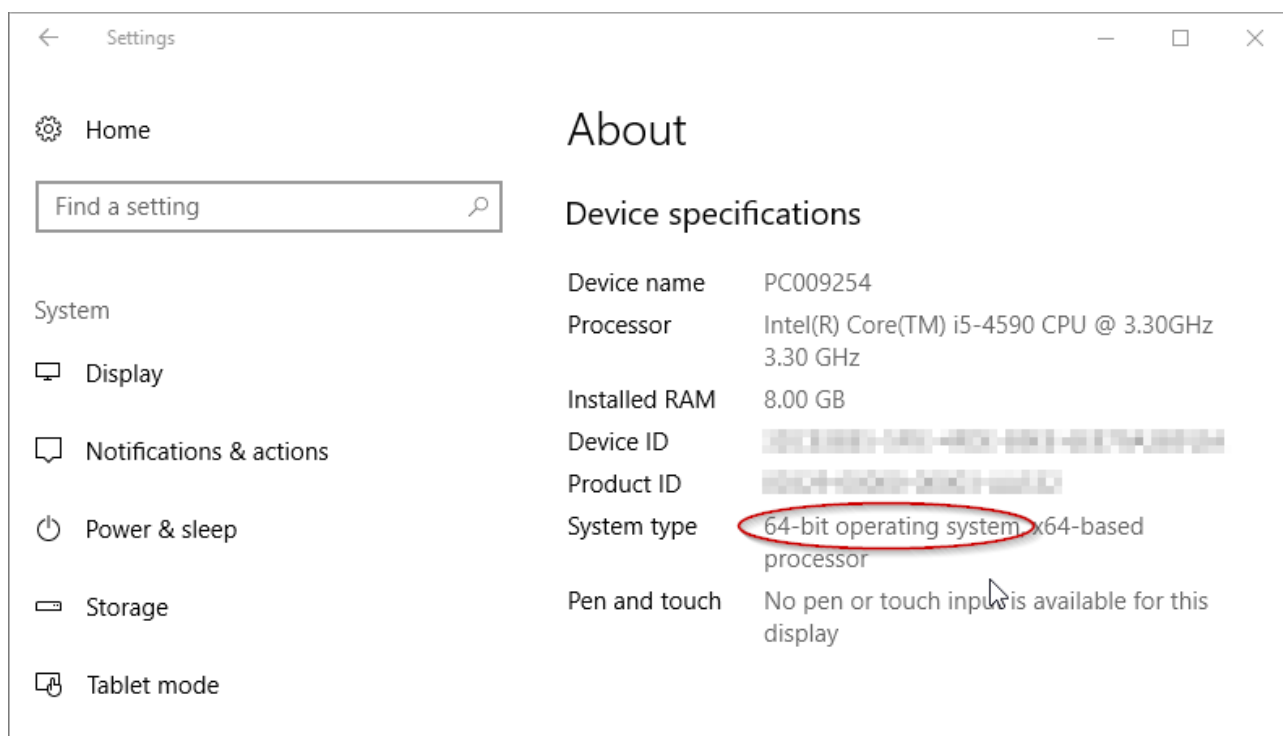
- FishStatJ is a 64-bit application, and therefore requires Java8 64-bit: Java8 32-bit will not work. You can download the Version 1.8 JRE 64-bit from: oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html
The 64-bit version is called “jre-8u201-windows-x64.exe”
- To check the java version active on your computer; use this tool: github.com/bergertom/JavaVersion/releases/tag/v1.00
- To un-install a previous version of Java, follow these instructions: java.com/en/download/help/uninstall_java.xml.
- To verify the currently active Java version:
 - Use the Windows+R shortcut to open the Run window.
 - Type “cmd” and then click “OK” to open the Command Prompt.
 - Type “java -version” in the Command Prompt and press Enter.

Troubleshooting Tip: The java version used by FishStatJ is visible in the log file. The log file location is described in section 11.4.2.

2.2.3. How to check if your computer supports 64-bit

FishStatJ is a 64-bit software, and therefore requires Java8 64-bit. While it is possible to install Java8 32-bit and run FishStatJ 32bit on a 64-bit computer, we do not recommend or support this. The reason for this 64-bit requirement relates to the limitation of the memory handling for data: the *Fisheries Commodities Production and Trade* and *Food balance sheets of fish and fishery products* datasets will run out of memory on Windows 32-bit.

To check if your computer is running Windows 64-bit, please refer to the following Microsoft Support webpage: support.microsoft.com/en-us/help/13443/windows-which-operating-system



System type shows whether your computer is running a 32- or 64-bit version of Windows.

2.2.4. Removing Java 9, 10 or 11

It is possible to have several Java versions installed on any given PC, with only one Java version being active. The easiest way to activate Java8 is to un-install all Java versions from the PC – and then to re-install Java8 64-bit. This ensures that Java8 is the active Java version.

To un-install Java, open the Control Panel, open “Programs and Features” select the Java Program; and right-click->Uninstall. Once all Java versions are removed, install Java8; you can use the installer from your Downloads folder.

2.2.5. Launching issues

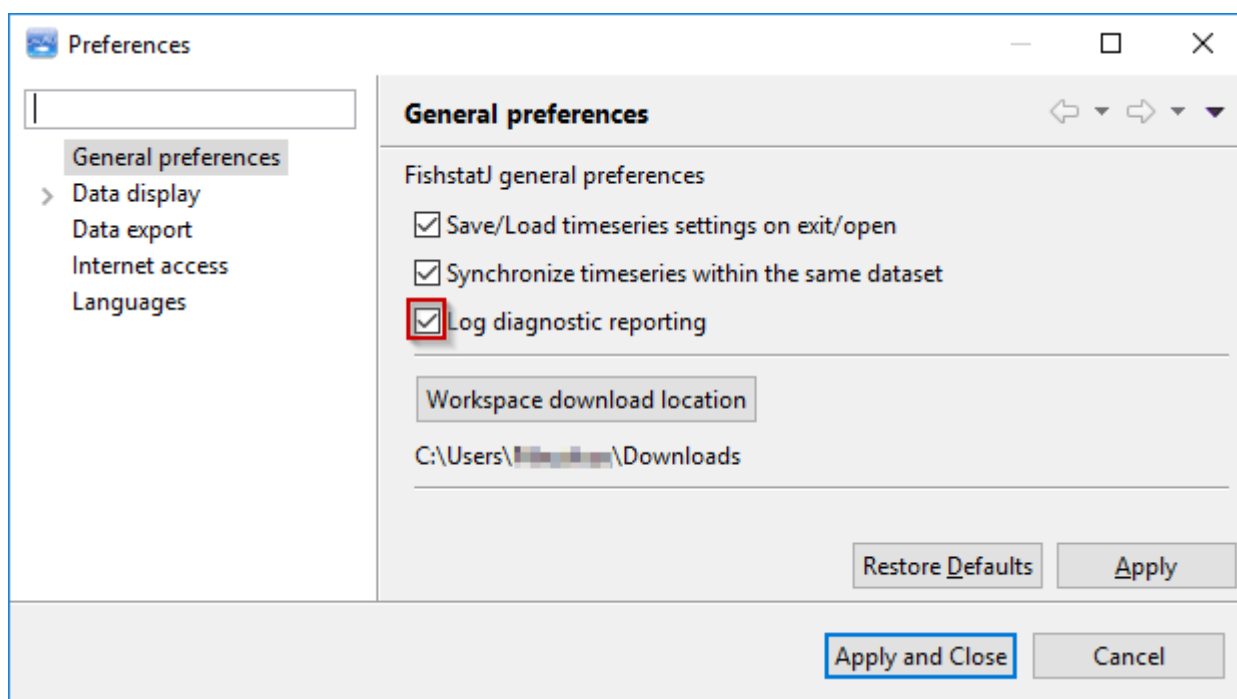
- When launching FishStatJ.exe on Windows 10, a dialog may appear, informing the user that the software is from an unknown publisher. Please click on the **Yes** button to continue launching the application.
- When launching FishStatJ, the Windows firewall may ask permission to allow FishStatJ to connect to FAO. Please allow this connection. Section 10.6 covers the issue of internet connectivity.

- If you receive the message: **“The FishStatJ executable launcher was unable to locate its companion shared library”**, this probably indicates that FishStatJ was run from inside the compressed (ZIP) file. The solution is to extract the ZIP file content as described in section 2.1.3 above.
- FishStatJ gives error -1 on start-up; this happens when Java 6 or 7 is active
- FishStatJ will start to launch, and then stop; this happens with Java 11 for example (the Java version is shown in the log-file).

2.2.6. Diagnostic reporting

In case you encounter an issue with the application, please turn on **Log diagnostic reporting**, which you can find in the **Edit** → **Preferences** menu and then exit and re-launch FishStatJ.

When you turn on **Log diagnostic reporting** in the **Preferences**, FishStatJ will check and create a log report if the program encountered an error. Please do share this report with us – it helps us to diagnose problems. Section 4.4.1 explains the diagnostic function.



We are working constantly to update our data; publishing workspaces with the latest Fisheries and Aquaculture data. We are grateful for any type of feedback, since it allows us to improve the application.