



# *Installing Adopt Open Java Development Kit 8 for 64-bit Windows*



United Nations  
Educational, Scientific and  
Cultural Organization

Regional Centre for  
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Regionalni center za knjižnične  
informatijske sisteme in informacijske  
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# 1 Introduction

At the end of 2018, Oracle announced a new business policy for Java SE that stepped into force in April 2019, which is why you see a notification and warnings when installing Java. All versions of Oracle Java from 8u201 onwards are payable, except for personal use. We suggest you do not update Oracle Java 8 to a new version. Also, you cannot install Oracle Java 8 to new computers (clients).



## Important Oracle Java License Update

**The Oracle Java License has changed for releases starting April 16, 2019.**

The new Oracle Technology Network License Agreement for Oracle Java SE is substantially different from prior Oracle Java licenses. The new license permits certain uses, such as personal use and development use, at no cost -- but other uses authorized under prior Oracle Java licenses may no longer be available. Please review the terms carefully before downloading and using this product. An FAQ is available here.

Commercial license and support is available with a low cost Java SE Subscription.

Oracle also provides the latest OpenJDK release under the open source GPL License at jdk.java.net

For this reason, we recommend you use open-code versions of Java in order to use the COBISS3 software.

The most suitable option is the **Adopt Open Java Development Kit 8 (AdoptOpenJDK 8)** with **IcedTea** support for starting the COBISS3 application, which also ensures the correct operation of the **fiscal cash register – FURS**.

**AdoptOpenJDK 8 can only be installed on computers with a 64-bit Windows operating system**, because the AdoptOpenJDK 8 **does not have IcedTea support** for the 32-bit Windows operating system.

If there are computers with the 32-bit Windows operating system in your library, you can install the open-code version of Java **OpenJDK-ojdkbuild**.

## 2 Distribution of the AdoptOpenJDK 8

AdoptOpenJDK 8 hotspot for Windows, Linux x64, macOS x64 and other operating systems can be found at the link <https://adoptopenjdk.net/releases.html?variant=openjdk8&jvmVariant=hotspot>. There you will find versions for installing to the selected operating systems. The newest version is always at the top, below is an **example** from **June 2019**:

AdoptOpenJDK

## Latest release

Build archive ☾    Nightly builds ☾

1. Choose a Version      2. Choose a JVM

OpenJDK 8 (LTS)       HotSpot  
 OpenJDK 9             OpenJ9  
 OpenJDK 10  
 OpenJDK 11 (LTS)  
 OpenJDK 12 (Latest)

[All Release Notes](#)

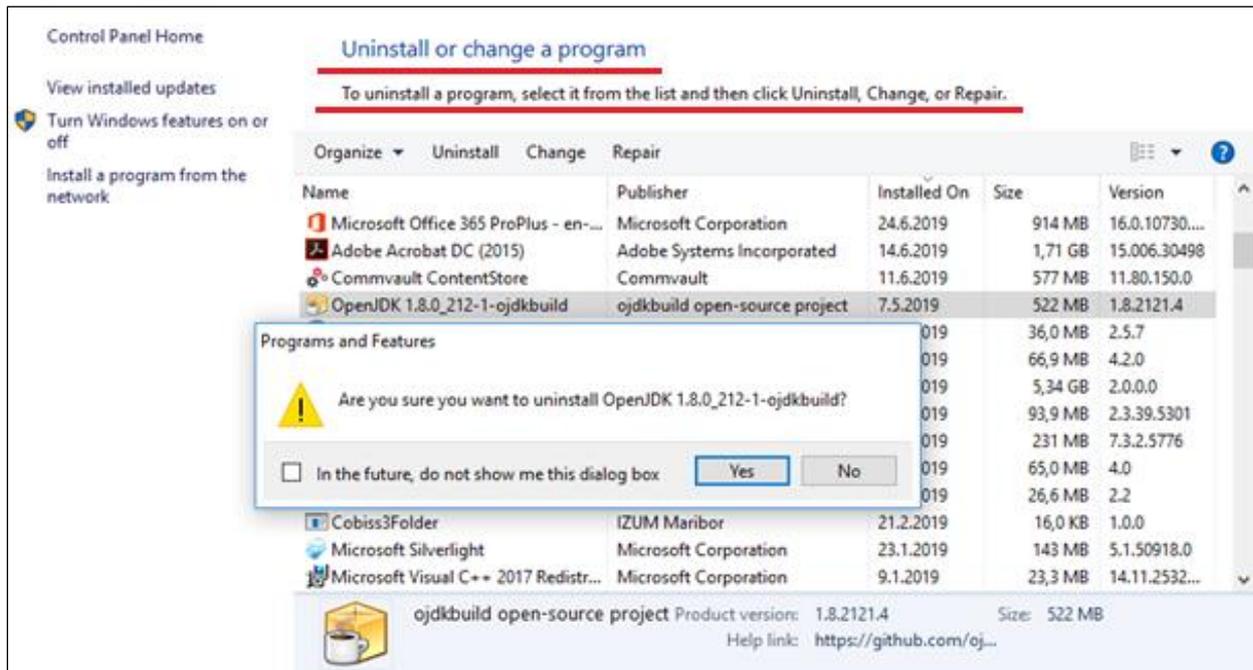
Select a platform

 <b>Docker</b> Official Image	 <b>Linux x64</b> jdk8u222-b10	 <b>Windows x32</b> jdk8u222-b10
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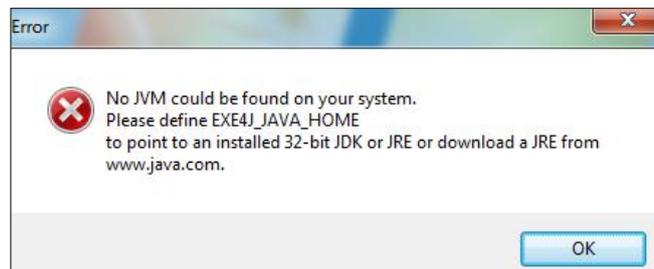
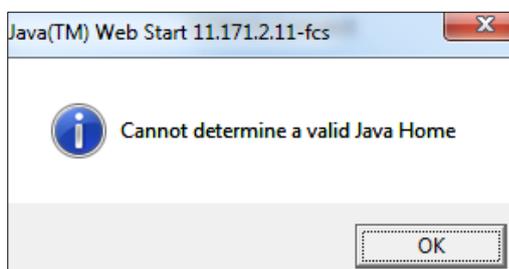
 <b>Windows x64</b> jdk8u222-b10	 <b>macOS x64</b> jdk8u222-b10	 <b>Linux s390x</b> jdk8u222-b10
 <b>Linux ppc64le</b> jdk8u222-b10	 <b>Linux aarch64</b> jdk8u222-b10	 <b>Linux arm32</b> jdk8u222-b10
 <b>Solaris sparcv9</b> jdk8u222-b10	 <b>Solaris x64</b> jdk8u222-b10	 <b>AIX ppc64</b> jdk8u222-b10

### 3 Removing the previous Java version

First, find and remove the installed *Oracle Java* or *OpenJDK Java* software in the **Control Panel, Programs and Features**. Then you **need to restart your computer**, so the system variables are removed and updated appropriately and then you can install AdoptOpenJDK (HotSpot): <https://adoptopenjdk.net/index.html?variant=openjdk8&jvmVariant=hotspot>.

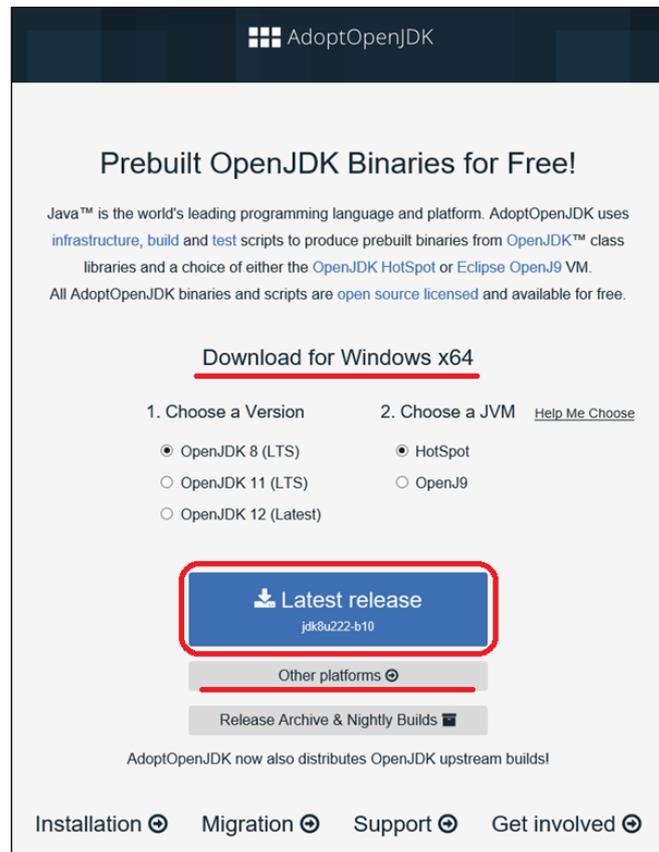


If you have installed programs that are started with Java 8, a message will appear after you remove Java, which informs you that the program is no longer installed, e.g. for the COBISS Connect shortcut, COBISS3.jnlp, or the application that is started with Java Web Start. You only need to confirm these messages.



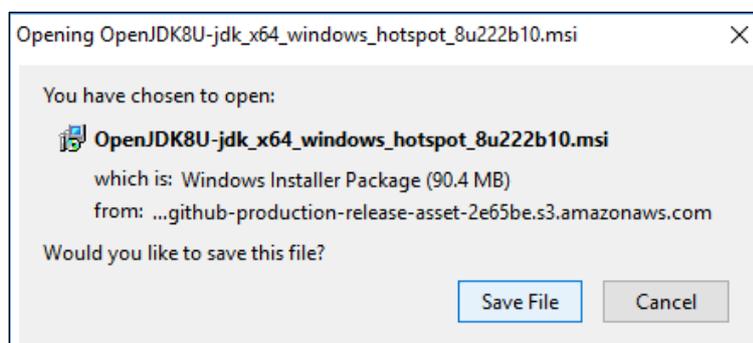
## 4 Installing AdoptOpenJDK 8 for 64-bit Windows

Find the version suitable for the **64-bit Windows** operating system on the website <https://adoptopenjdk.net/index.html?variant=openjdk8&jvmVariant=hotspot>.

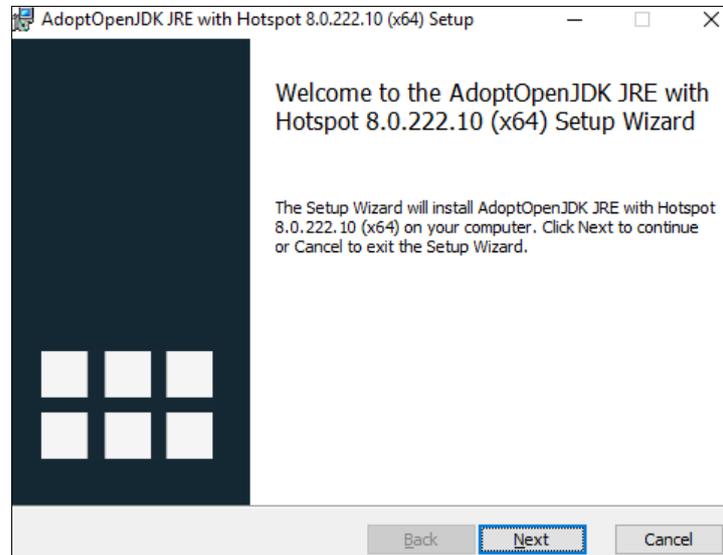


If you are using another operating system (e.g. **Linux, macOS**), select *Other Platforms*.

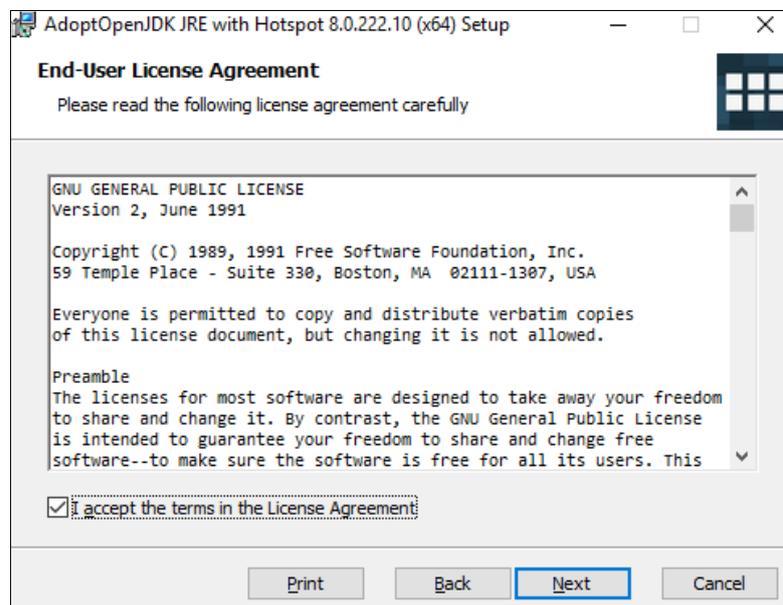
In the browser (Chrome, Firefox, Edge, etc.) select *Latest release*, which is the latest at this time and download it to your computer (in this case **jdk8u222b10**). Check if you downloaded the correct installation file (**extension .msi**) and start the installation process of the **OpenJDK8U-jdk\_x64\_windows\_hotspot\_8u222b10.msi**.



By confirming the message, you start the installation. Usually, a warning will appear, informing you that this is an executable file. You can close the window by confirming it. Confirm the individual phases of the installation by clicking the Next button.

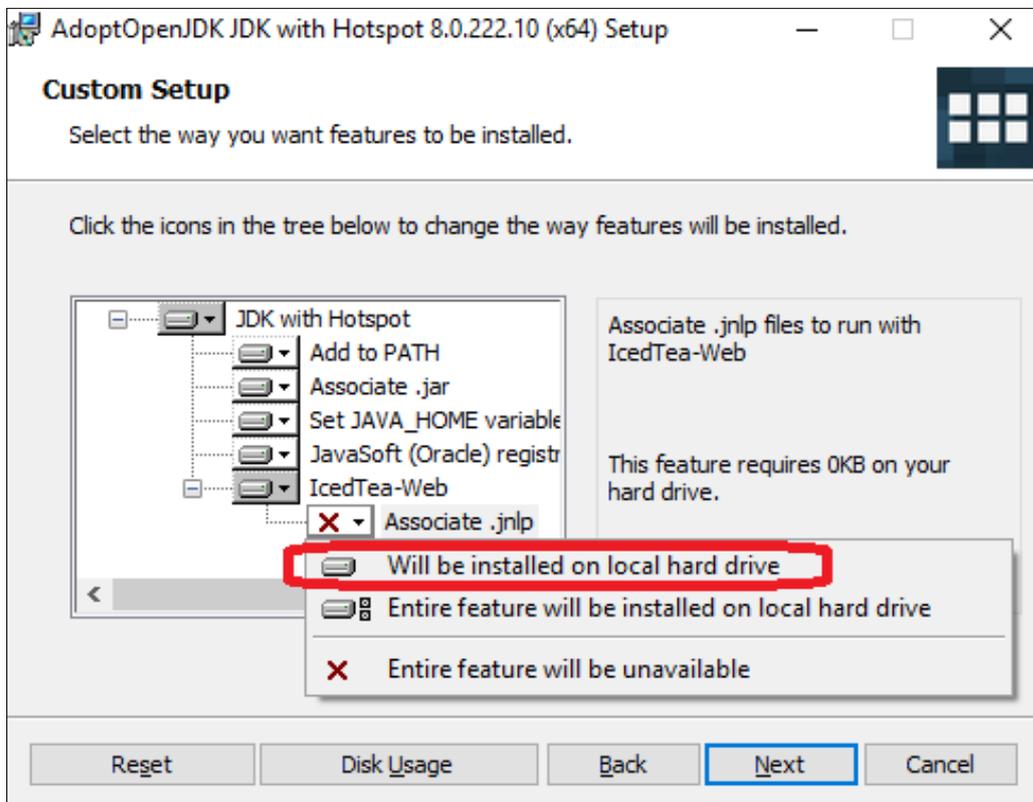
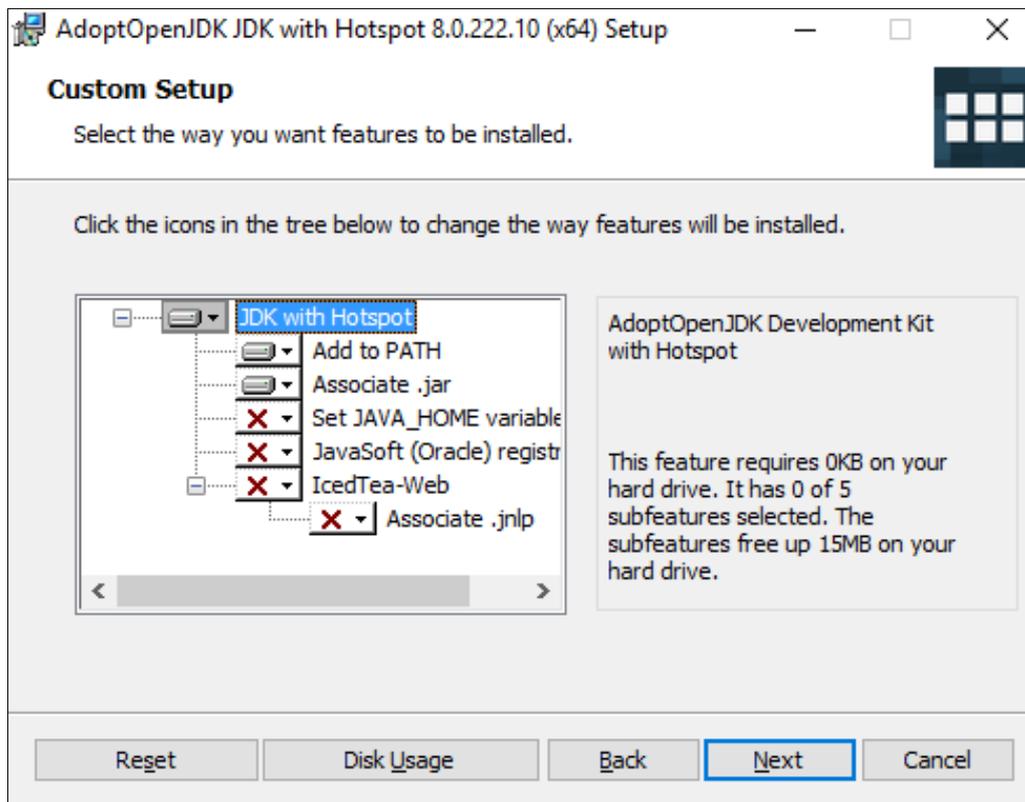


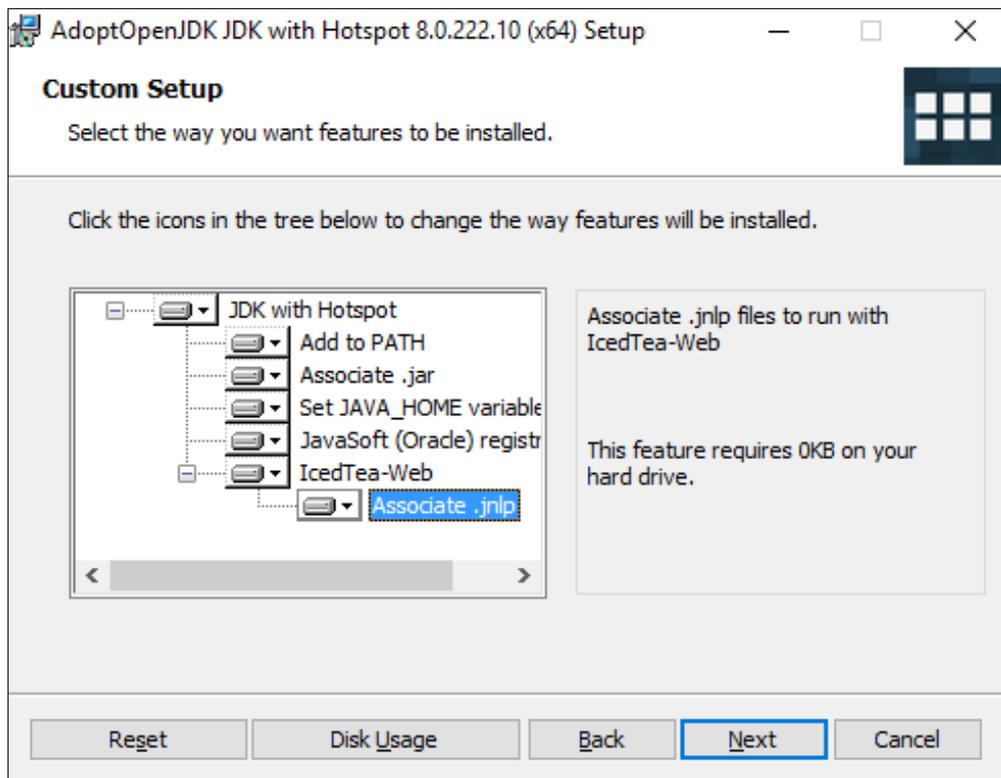
Confirm and accept the licence terms (I acept the terms in the License Agreement).



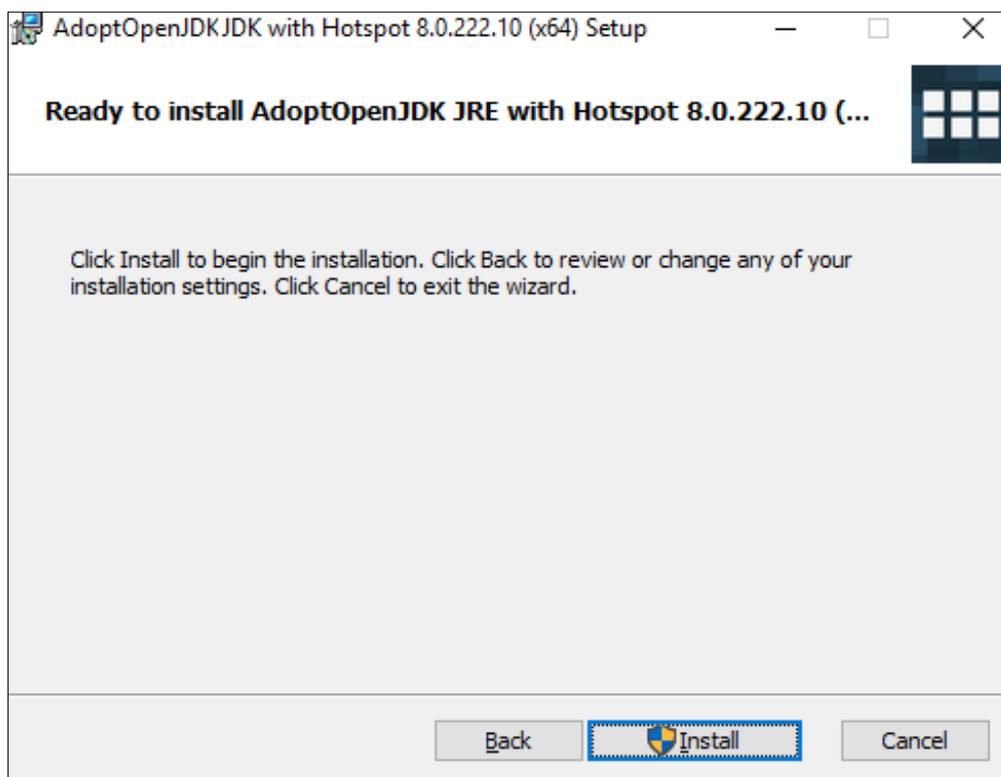
### IMPORTANT:

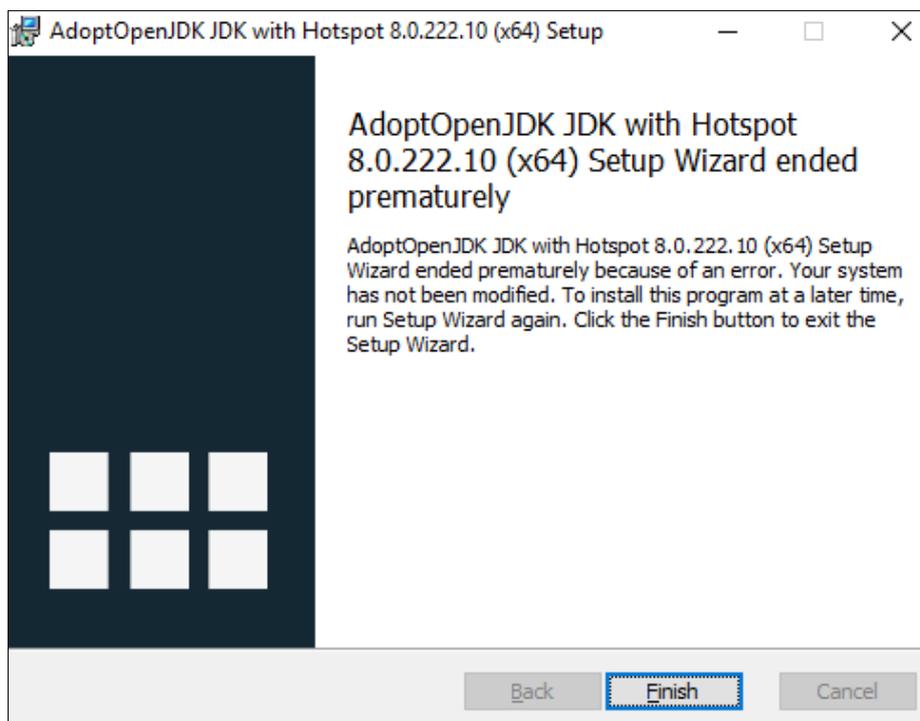
Before you continue the installation, you need to select the option ***Will be installed on local hard drive*** under all highlighted red crosses in the **Custom setup** window. Below is an example of confirming the *Associate .jnlp* method.





Continue the installation by clicking *Install* and finish it by clicking *Finish*.



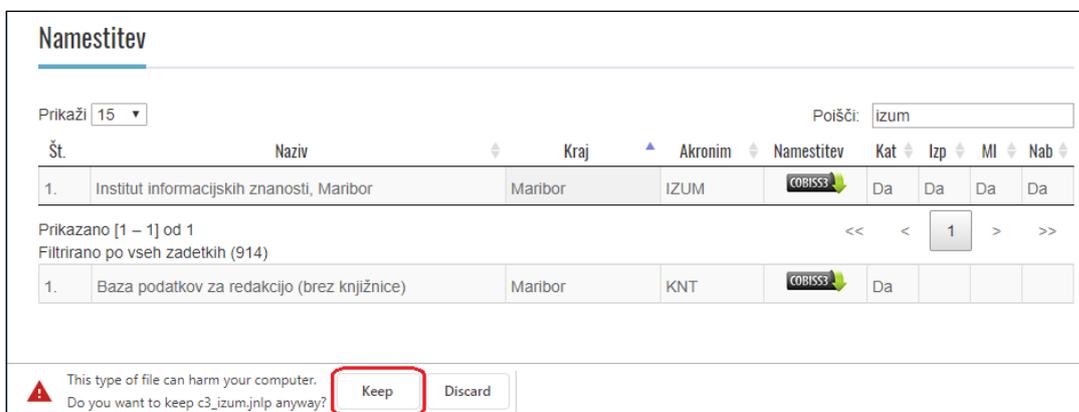


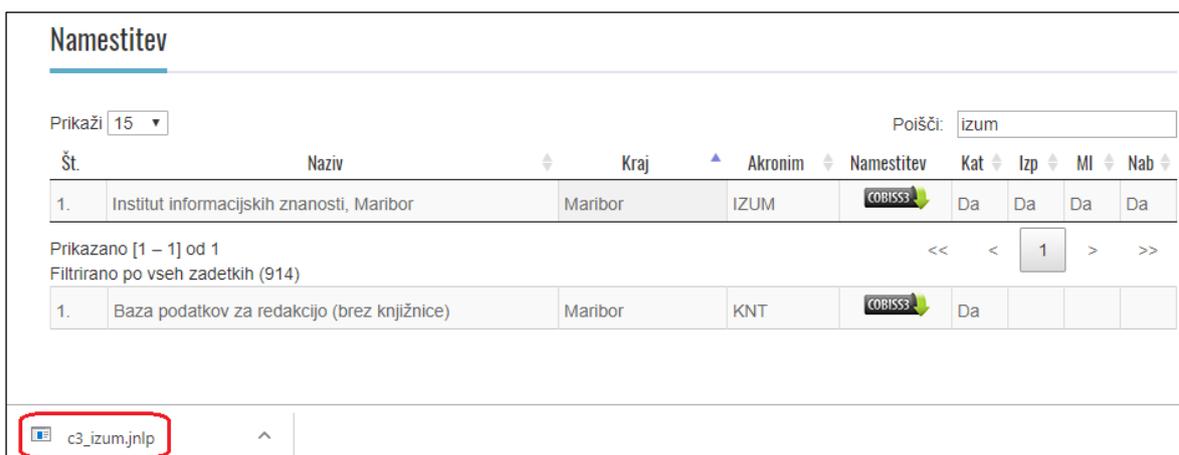
## 5 Installing the COBISS interface

The saved link or the .jnlp file on the desktop enables you to start the COBISS3 system login interface at any time.

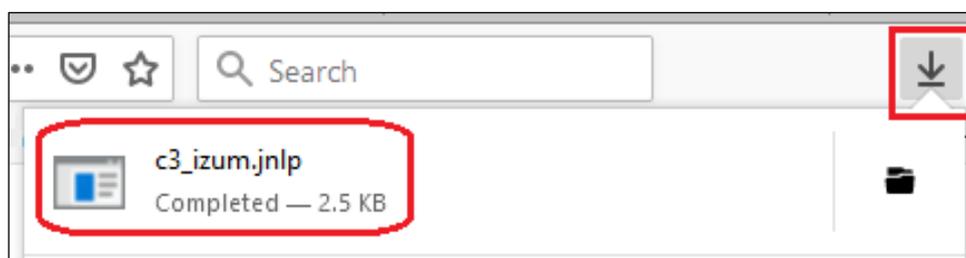
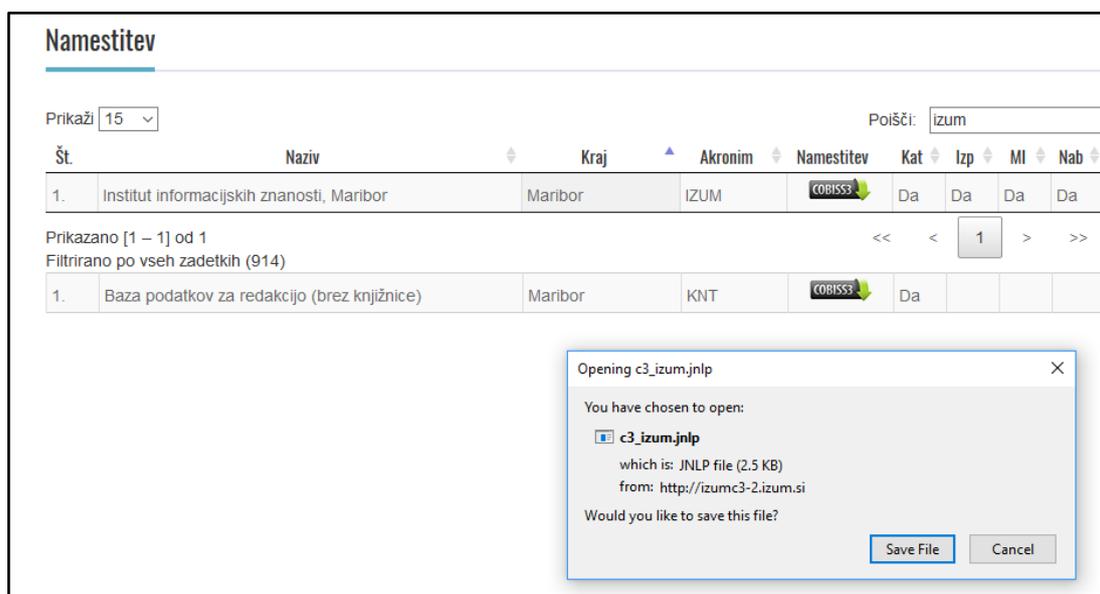
On the COBISS entry page, first select the option *Librarians* and then *Interface installation*. The installation of the interface differs according to the selected web browser. In all browsers, enter the **library acronym** in the *Find:* field, e.g. **IZUM**.

In **Google Chrome** select *Keep* and open and start the COBISS3 interface by clicking **c3\_izum.jnlp**.

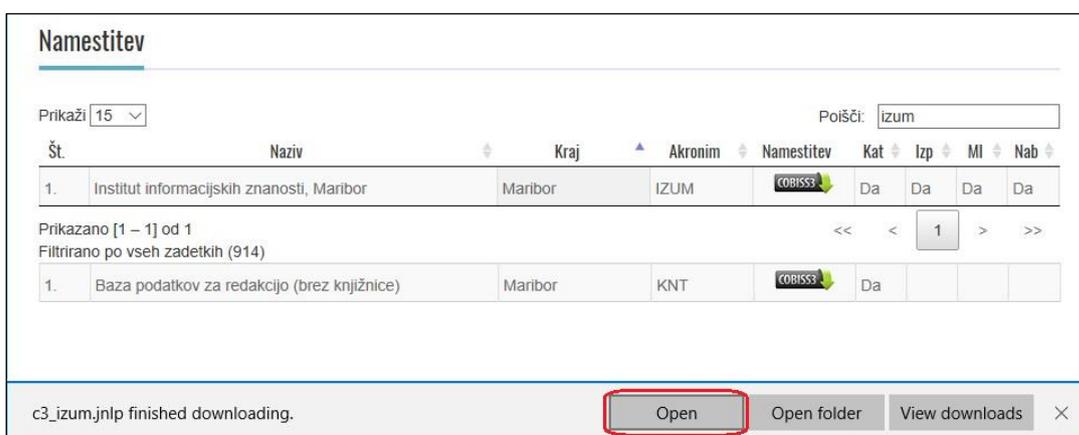
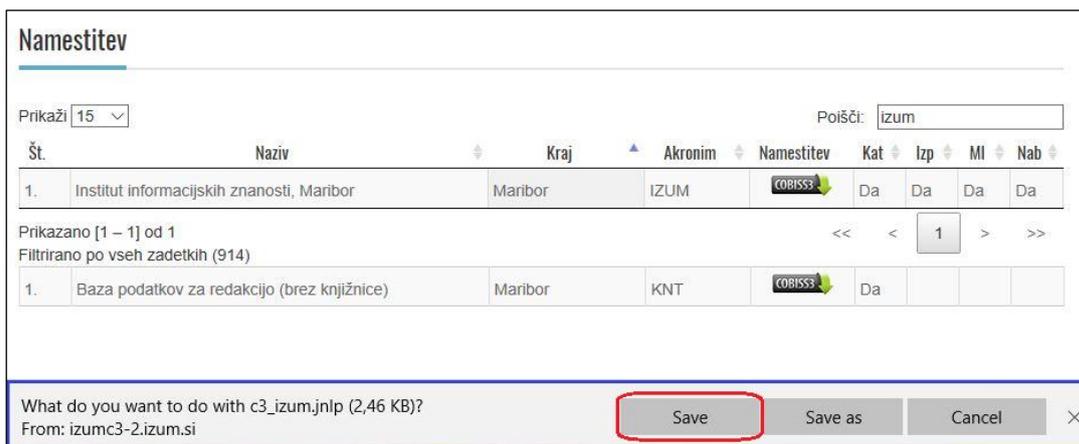




In the **Mozilla Firefox** browser, select *Save File*. The **c3\_izum.jnlp** is saved in *Download*, and you can click on it to open and start the COBISS3 interface.



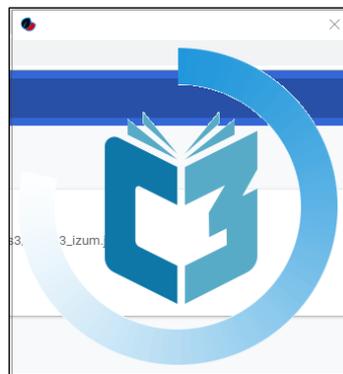
In **Microsoft Edge** use the *Save* button. The **c3\_izum.jnlp** interface is saved in **Download**, and you can open and start the COBISS3 interface by clicking the **Open** button.

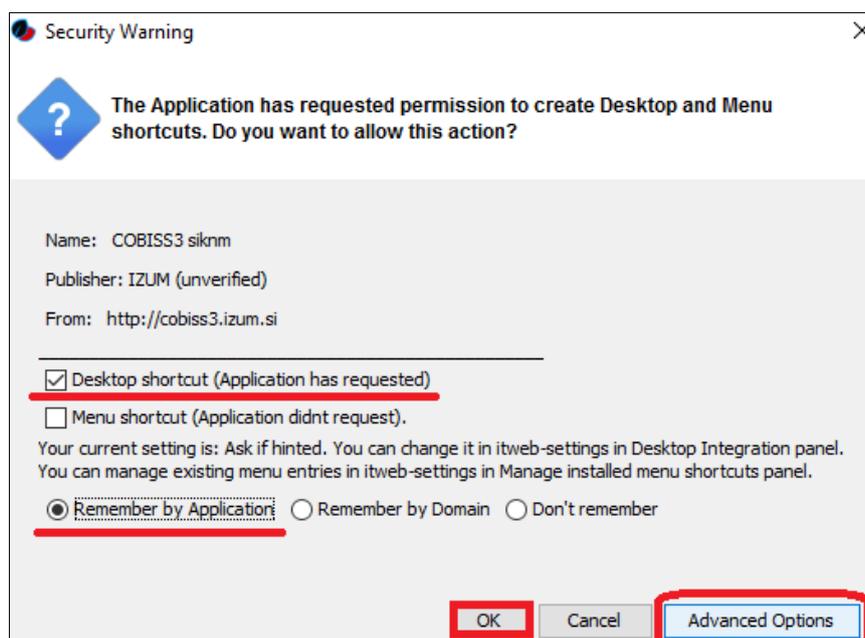


## 6 Starting the COBISS interface

The location of `c3_<akronim>.jnlp` depends on the web browser and the settings. In some browsers, the COBISS interface is started immediately after installation (chapter 5), and in other browsers, you can find it in **Download** and start it by clicking it. Usually a warning window appears, informing you that this is an executable file, and you can close it by confirming it.

However, in all cases the introduction of the **IcedTea** software appears, followed by the **C3** symbol window (COBISS3), and then the warning window **Security Warning**.

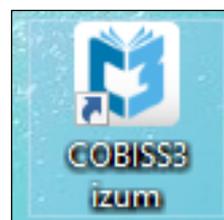
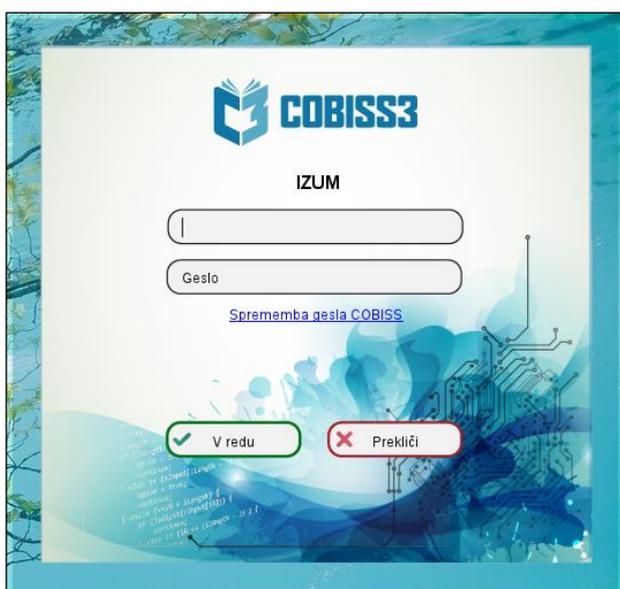




The warning requires you to confirm it in order to install the shortcut to the desktop (*Desktop shortcut*). Optionally, you can click *Advanced Options* and select *Remember by Application* and confirm with *OK* to continue.

A login window for the correct link (e.g. **IZUM**) will appear, where you log in with your username and password.

A shortcut will be created on the desktop and you can use it for subsequent logins to the COBISS3 system.



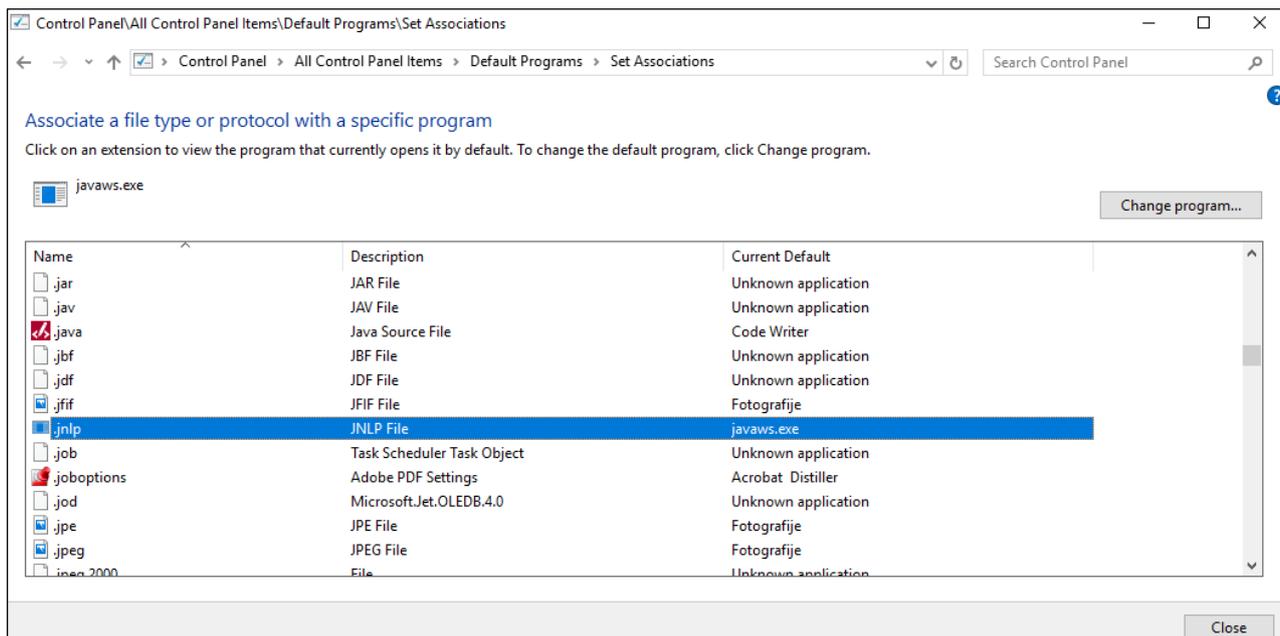
## 7 Default start of the COBISS interface

If you have another version of Java installed on the computer, you need to prepare the default start of the **.jnlp** interface through the **Control panel, Default Programs and Associate a file type....**

In the left column **Name** select the **.jnlp** extension and then click *Change program....* Find the correct boot application **javaws.exe**.

The default boot application is:

**C:\Program Files\AdoptOpenJDK\jre-8.0.222.10-hotspot\bin\javaws.exe**



Once you added the boot application, close the **Set Association** window.