

Installing OpenJDK 8 for Windows x64



United Nations Educational, Scientific and Cultural Organization Regional Centre for Library Information Systems and Current Research Information Systems Regionalni center za knjižnične informacijske sisteme in informacijske sisteme o raziskovalni dejavnosti

IZUM

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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. All versions of Oracle Java from *8u201* onwards are payable, except for personal use. Consequently, a lot of opensource Java versions surfaced recently to replace the licenced version. We started using *AdoptOpenJDK Java* at IZUM in 2019 because it is easy to install and to integrate the *Java Web Start*. During this time, the *AdoptOpenJDK* was moved to the Eclipse foundation, which altered the installation process slightly. This document describes the installation steps in detail.

If you have any additional questions or if you require any explanation regarding the *Java* versions and installation process, write to <u>podpora@izum.si</u> or call IZUM's help desk at +386 2 2520 333.

2 Installing OpenJDK 8 for Windows x64

Download *OpenJDK* 8 from <u>https://adoptium.net/temurin/releases/?version=8</u>. Installation files are available for various operating systems. Please, note: under Operating System select Windows, Architecture x64, Package Type JDK and **Version 8**, as shown in Figure 1.



Select *.*msi*, which currently represents the newest version, and download it to your computer. At the time of writing these instructions, version **jdk8u302-b08.1** was available. Check if you downloaded the correct installation file (**extension .msi**) and run *OpenJDK8U-jdk_x64_windows_hotspot_8u322b06.msi*. When you run this file, a warning window appears informing you this is an executable file and you need to confirm to close it. Individual installation steps are confirmed with <u>Next</u>.



Figure 2

Moving on you need to select the option *Will be installed on local hard drive* in the **Custom setup** window for all red crosses. Below you can see an example for confirming the method *Set JAVA_HOME variable*.

Eclipse Temurin JD	0K with Hotspot 8u302-b0	8 (x64) Setup	1	
Custom Setup				
Select the way yo	u want features to be instal	led.		
Click the icons in t	he tree below to change the	e way features w	vill be installed.	
	DK with Hotspot ■	Set JAVA variable.	-HOME environ	iment
	Will be installed on l B Entire feature will be	local hard drive installed on lo	e ocal hard drive	ŕ
	× Entire feature will be	e <mark>unavaila</mark> ble		
			_	
				Browse

Figure 3

Click the icons in th	ie tree be <mark>l</mark> ow to change the	way features will be installed.
JD. -	K with Hotspot → Add to PATH → Associate .jar	Set JAVA_HOME environment variable.
	JavaSoft (Orade) regi	str This feature requires 2KB on you hard drive.
<		>

Figure 4

Continue with *Install* and complete the installation with *Finish*.

🔀 Eclipse Temurin JDK with Hotspot 8u302-b08 (x64) Setup	1		×
Ready to install Eclipse Temurin JDK with Hotspot 8u	302-b08		
Click Install to begin the installation. Click Back to review or chang installation settings. Click Cancel to exit the wizard.	e any <mark>o</mark> f yo	bur	
Back 😜 Inst	all	Can	cel

Figure 5



Figure 6

Because *IcedTea-Web* is no longer a part of the *Eclipse Temurin JDK* installation package, you need to install it separately. You can find it at <u>https://adoptopenjdk.net/icedtea-web.html</u>. select the latest available version. In this case *icedtea-wb-1.8.4*, where you select the installation package *Windows (MSI) x86_64 icedtea-web-1.8.4*.

IcedTea-Web Builds									
Releases									
Version	Linux	Windows	Portable	Source					
icedtea-web-1.8.4	Linux x86_64 icedtea-web- 1.8.4, (Checksum)	Windows x86_64 icedtea-web- 1.8.4, (Checksum) Windows (MSI) x86_64 icedtea- web-1.8.4, (Checksum)	Portable x86_64 icedtea-web- 1.8.4, (Checksum)	Source Tarball					
icedtea-web-1.8.3	Linux x86_64 icedtea-web- 1.8.3, (Checksum)	Windows x86_64 icedtea-web- 1.8.3, (Checksum) Windows (MSI) x86_64 icedtea- web-1.8.3, (Checksum)	Portable x86_64 icedtea-web- 1.8.3, (Checksum)	Source Tarball					
icedtea-web-1.8.2	Linux x86_64 icedtea-web- 1.8.2, (Checksum)	Windows x86_64 icedtea-web- 1.8.2, (Checksum) Windows (MSI) x86_64 icedtea- web-1.8.2, (Checksum)	Portable x86_64 icedtea-web- 1.8.2, (Checksum)	Source Tarball					
icedtea-web-1.8.1	Linux x86_64 icedtea-web- 1.8.1, (Checksum)	Windows x86_64 icedtea-web- 1.8.1, (Checksum) Windows (MSI) x86_64 icedtea- web-1.8.1, (Checksum)	Portable x86_64 icedtea-web- 1.8.1, (Checksum)	Source Tarball					

After you run the *icedtea-web-1.8.4.msi* file, the setup wizard will guide you through the installation process.



Figure 8

Confirm and accept the licence agreement (I <u>accept the terms in the License Agreement</u>).

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nd-User License Ag	reement				L
Please read the followi	ng license agreem	ent carefully			ľ
G	NU GENERAL PUE	LIC LICENSE			^
	Version 2, June 1	991			
Copyright (C) 1989, 19	91 Free Software	Foundation, Inc.			
51 Franklin Street, Fi	fth Floor, Boston,	MA 02110-1301	USA		
Everyone is permitted t	o copy and distrib	ute verbatim copie	es		
of this license docume	nt, but changing it	is not allowed.			
	Preamble				
The licenses for most	software are desi	ioned to take awa	v vour		
freedom to share and c	hange it. By contr	ast, the GNU Gen	eral Public		~
✓I accept the terms in	the License Aaree	ment			
	1	1		1	

Figure 9

Leave the default installation location and continue with the procedure.



Figure 10

Continue with *Install* and complete the installation with *Finish*.



Figure 11



Figure 12

3 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. Open the link <u>http://www.cobiss.si/knjiznicarji.htm</u> select the option *Namestitev vmesnika (Install interface)*.



Figure 13

The procedure for installing the interface depends on the browser you are using. 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.

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1.	Institut informacijskih znanosti, Maribor	Maribor	IZUM		COBISS3	Da	Da	Da	Da
Prikaza Tiltrirar	ano [1 – 1] od 1 no po vseh zadetkih (914)				<-	< <	1	>	>>
1.	Baza podatkov za redakcijo (brez knjižnice)	Maribor	KNT		COBISS3	Da			
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Figure 14

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.

Nam	estitev											
Prikaž	i 15 v						P	oišči:	iz	um		
Št.	Naziv	\$	Kraj	•	Akronim 🔶	Namest	itev	Ka	t 🗄	Izp 🔶	MI 🔶	Nab
1.	Institut informacijskih znanosti, Maribor	Marit	or		IZUM	COBISS	3	Da		Da	Da	Da
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1.	Baza podatkov za redakcijo (brez knjižnice)	Marik	or		KNT	COBIS	3	Da	1			
			Opening c3_ii You have ch c3_izu which from: Would you l	ose m.j i is: J http	n.jnlp In to open: nlp JNLP file (2.5 KB) p://izumc3-2.izun to save this file?	n.si	[Save	File		Cancel	×

Figure 15

• 🖂 🏠 🔍 Search	¥
c3_izum.jnlp Completed — 2.5 KB	•

Figure 16

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.

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Figure 17

4 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, 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-Web** software appears, followed by the **C3** (COBISS3) symbol window, and then the warning window **Security Warning**.



Figure 18

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 to login to the COBISS3 system in the future.





Figure 19

5 Issues when starting the COBISS interface

Open the **Control Panel**, *Programs and Features*, to check if *IcedTea-Web 1.8.4* in *Eclipse Temurin JDK with Hotspot 8u302-b08(x64)* is installed. If there are any other versions of Java installed, remove them.

	View installed updates	To uninstall a program select it from	m the list and then click Uninstall	Change of Rer	wir.		
•	Turn Windows features on or off	Organize - Uninstall Change	Repair	change, or ma		B •	0
	Install a program from the network	Name Microsoft Office 365 ProPlus - en Adobe Acrobat DC (2015) Communit ContentStore	Publisher Microsoft Corporation Adobe Systems Incorporated Communit	Installed On 24.6.2019 14.6.2019 11.6.2019	Size 914 MB 1,71 GB 577 MB	Version 16.0.10730 15.006.30498 11.80.150.0	^
		OpenJDK 1.8.0_212-1-ojdkbuild	7.5.2019	522 MB	1.8.2121.4	É.	
	Pro	grams and Features	OpenJDK 1.8.0_212-1-ojdkbuild?	019 019 019 019 019	36,0 MB 66,9 MB 5,34 GB 93,9 MB 231 MB	2.5.7 4.2.0 2.0.0.0 2.3.39.5301 7.3.2.5776	
	1	In the future, do not show me this dial	og box Ves No	019	65,0 MB 26,6 MB	4.0 2.2	
		Cobiss3Folder	IZUM Maribor	21.2.2019	16,0 KB	1.0.0	
		wiicrosoft silverlight	Microsoft Corporation	25.1.2019	145 MD	5.1.30918.0	

Figure 20

If there are any issues when starting the COBISS3 interface (see chapter 4), you need to enable 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** ending and click *Change program* ... Find the correct boot application javaws.exe.

The default boot application is:

C:\Program Files\IcedTeaWeb\WebStart\bin\javaws.exe



Figure 21

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

You can perform the same procedure by using the method *Open with* on the file c3_<akronim>.jnlp and selecting *C:\Program Files\IcedTeaWeb\WebStart\ bin\javaws.exe*.