

Launch GCP/KVK Web

Technical User Guide

# Launch of GCP/KVK Web with OpenWebStart

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# Introduction

From April 2024 it will be possible to launch GCP/KVK Web application in two different ways. This technical customer user guide will cover the installation of OpenWebStart (OWS) as well as how to launch the application both via the new and old solution.

GCP/KVK application has been rewritten to work with the barebone JRE, all previously present dependencies, "legacy" features, has been replaced and that is why it will, going forward, work with both Oracle and OpenJDK releases of JRE. Nordea highly recommend switching to OWS..

Ways to launch GCP/KVK Web:

- New: OpenWebStart
- Old: Web Start Launcher from Oracle Java 8

# **Technical requirements**

- Operating system: Microsoft Windows
- Browser: Chrome or Edge (use of cookies in browsers must be enabled)
- Java:
  - OpenWebStart 1.9.X\* (NEW)
     \*Version 1.9. should be an absolute minimum
  - Oracle JRE 1.8 (OLD)

OWS will pull 'OpenJDK Adoptium 17 LTS' directly from the official supplier repository. It will also remove unused JRE's stored locally. That way users will always use the latest version of JRE with the application.



# Solutions to launch GCP/KVK Web

From spring 2024 it will be possible to launch the application in two different ways. Below you will find a step by step guide on the two options.

## Launch with Java17 + OpenWebStart (New solution)

#### Step 1 – Download OpenWebStart

To download a generic version of OWS product with no additional customizations go to:

Karakun (supplier)	
Download	https://openwebstart.com/download/
Change log	https://github.com/karakun/OpenWebStart/releases/
Support	https://openwebstart.com/support/

After completion of the download, you can find the program under your 'Program Files':

← → ~ ↑ [	> This	PC > Windows (C:)	Program Files >	OpenWebStart			~ ē
Organize 👻 🕴	lew folde	r					
atlas	^	Name	^	Date modified	Туре	Size	
covercheck	logs	1.9.0.0		3/22/2024 12:07 PM	File folder		

Please reach out to your IT department for support.

#### Step 2 – Download JNLP file via Corporate Netbank

Open Corporate Netbank and press the link for Global Cash Pool/KVK, this will launch the KVK web page, and it will also automatically download the JNLP file.

Cash pool	Payment and collection	Securities Services	Investments
Global Cash Pool/KVK >	Trade Finance Global > Corporate File Payments >	eCustody (new) >	Loans SE >
Nordea Corporate	Direct Debit >		
Accounts & Transactions > Payments >	Archive (e.g. Account Statements/eRedovisning) > GiroLink >		
e-Markets › Business Carbon Calculator ›	Nordea Finance Services SE > Total IN / Total IN Basic >	L3	
	Trade Finance >		

### Step 3 – Open JNLP file

Go to your 'Downloads' and right click on the latest downloaded JNLP file and press 'Open with'. The option(-s) for launching GCP/KVK Web will be presented.

If you have both the old and new solution for launching GCP/KVK web installed, you will see both of the options and make a choice of which one to use. The computer will by default open the application with the new solution.

jnlp_kvkgcpsupport (12).jnlp	3/22/2024 12:09 PM	The default JNLP	8 KB
jnlp_kvkgcpsupport (12) inte	2/22/2024 4:09 PM	The default JNLP	8 KB
🔊 jws_ktj_test - 2024-0 Open	22/2024 11:40 AM	JSP File	1 KB
🔬 jws_ktj_test - 2024-0 📓 Edit with Notepad++	22/2024 12:10 PM	JSP File	1 KB
近 jws_ktj_test - 2024-0 🛛 🦠 CrowdStrike Falcon malware scan	> 22/2024 12:12 PM	JSP File	1 KB
🛃 jws_ktj_test - 2024-0. 👌 Classify and protect	22/2024 12:13 PM	JSP File	1 KB
🎒 jws_ktj_test - 2024-0 🛛 🌰 Move to OneDrive	22/2024 12:15 PM	JSP File	1 KB
🕌 jws_ktj_test - 2024-0 7-Zip	> 22/2024 12:16 PM	JSP File	1 KB
🅌 jws_ktj_test - 2024-0 🛛 🖍 Select Left File for Compare	22/2024 12:19 PM	JSP File	1 KB
≦ jws_ktj_test - 2024-0 🖻 Share	22/2024 12:24 PM	JSP File	1 KB
🕌 jws_ktj_test - 2024-0 Open with	> Java(TM) Web	Launcher	
jws_ktj_test - 2024-0 Restore previous versions	👍 Java(TM) Web	Start Launcher	
≦ jws_ktj_test - 2024-0 ≦ jws_ktj_test - 2024-0 Send to	Send to > Send to >		
jws_ktj_test - 2024-0 Cut	Search the Microsoft Store		
🛃 jws_ktj_test - 2024-0 Copy	Choose anoth	ier app	
1 1 Lat Anna - 2024 0	D2/2024 2.40 DK4	100 51-	1 I/D

### Step 4 – Launch the application

Select 'Launcher for .jnlp applications according to JSR-56' to launch the application. (The file marked with a red box in the 'Step 3' print screen.

## Launch with Oracle JRE 1.8 (Old solution)

#### Step 1 – Download Oracle JRE 1.8

To download Oracle JRE 1.8 go to:

Oracle Java	JRE https://www.java.com/en/download/

Please reach out to your IT department for support.

### Step 2 – Download JNLP file via Corporate Netbank

Open Corporate Netbank and press the link for Global Cash Pool/KVK, this will launch the KVK web page, and it will also automatically download the JNLP file.

### Step 3 – Open JNLP file

If you have only Oracle JRE 1.8 you can, just like before, just double-click the JNLP file.

If you have both the Oracle JRE 1.8 and OWS installed, you need to make sure that the right program will launch. Go to your 'Downloads', right click on the latest downloaded JNLP file and press 'Open with'. The different options of launching GCP/KVK Web will be presented.

jnlp_kvkgcpsupport (12) inte	3/22	2/2024 4:09 PM	The default JNLP	8 KB	
🔬 jws_ktj_test - 2024-0 Open	22	/2024 11:40 AM	JSP File	1 KB	
🔬 jws_ktj_test - 2024-0  Edit with Notepad++	22	2/2024 12:10 PM	JSP File	1 KB	
🍰 jws_ktj_test - 2024-0 🔌 CrowdStrike Falcon malware scan	> 22	2/2024 12:12 PM	JSP File	1 KB	
🖆 jws_ktj_test - 2024-0 🛛 🔒 Classify and protect	22	2/2024 12:13 PM	JSP File	1 KB	
🔬 jws_ktj_test - 2024-0 🛛 🌰 Move to OneDrive	22	2/2024 12:15 PM	JSP File	1 KB	
jws_ktj_test - 2024-0 7-Zip	> 22	2/2024 12:16 PM	JSP File	1 KB	
🛿 jws_ktj_test - 2024-0 🛛 🥐 Select Left File for Compare	22	2/2024 12:19 PM	JSP File	1 KB	
🔊 jws_ktj_test - 2024-0 🖻 Share	22	2/2024 12:24 PM	JSP File	1 KB	
jws_ktj_test - 2024-0 Open with	> _	Java(TM) Web L	auncher		
jws_ktj_test - 2024-0 Restore previous versions	6	Java(TM) Web S	itart Launcher		
≦jws_ktj_test - 2024-0 Send to	> (	Launcher for .jnlp applications according to JSR-56			
المعالي المعالي المعالي المعالي		Search the Microsoft Store			
🕌 jws_ktj_test - 2024-0 Copy		Choose another app			

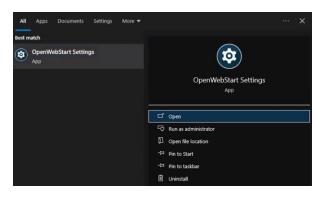
### Step 4 – Launch the application

Select "Java(TM) Web Start Launcher' to launch the application. (The file marked with a red box in the 'Step 3' print screen.

# Required default settings for OpenWebStart

## Where to find OWS?

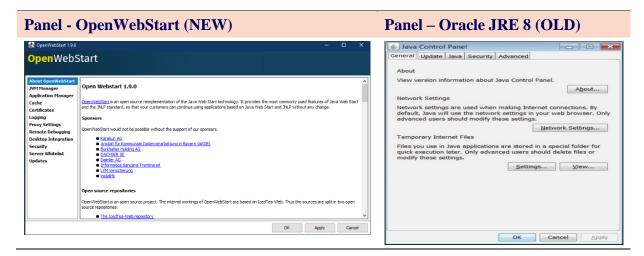
The OWS 'Control panel' window can be found and opened via 'Windows search' field. Type in OpenWebStart in the 'Search' field and click 'Open' to move ahead with the configuration of settings.



## Walkthrough of the OWS 'Control Panel' sections

All settings can be locked down, in a similar way as with Oracle JRE 8, on windows systems. Syntax of deployment.config' and 'deployment.properties' files remains the same. Nordea recommends to lock down and predefine the most critical settings for the users like the section for 'Security'. The main advantage of doing this is the guarantee that no matter what happens to the deployment.properties file stored in the user's profile, OWS will still be stable and behave as it should.

Instead of tabs placed at the top of the window, like for Oracle JRE 1.8, you will in OWS navigate by selecting sections on the left hand side.



#### About OpenWebStart

The first menu item from the top leads to the website of the supplier

(https://openwebstart.com/).

🛃 OpenWebStart 1.9.0	- 🗆 X
OpenWebS	itart
About OpenWebStart JVM Manager Application Manager Cache Certificates Logging Proxy Settings Remote Debugging Desktop Integration Security Server Whitelist Updates	Open Webstart 1.9.0 <ul> <li>OpenWebStart is an open source reimplementation of the Java Web Start technology. It provides the most commonly used features of Java Web Start and the JNLP standard, so that your customers can continue using applications based on Java Web Start and JNLP without any change.</li> </ul> Sponsors           OpenWebStart would not be possible without the support of our sponsors. <ul></ul>
	OK Apply Cancel

#### JVM Manager

JVM Manager manages the JVM version downloaded by OWS. Currently, (Apr 2024), Nordea supports version 17 of Adoptium.

🛃 OpenWebStart 1.9.0		-		×
OpenWebS	Start			
About OpenWebStart JVM Manager Application Manager Cache Certificates Logging Proxy Settings Remote Debugging Desktop Integration Security Server Whitelist Updates	17.0.9 Adoptium Windows x64			000
	Remove all JVMs Refresh Add local Find	d local	Settin	js
	ОК Ар	ply	Can	cel

### **Application Manager**

This section displays the latest application(-s) that has been launched by OWS.

🛃 OpenWebStart 1.9.0						—		×
OpenWebS	tart							
About OpenWebStart JVM Manager Application Manager Cache	<b>KV</b> 6 M5	K /GCP Suppor	t				00	
Cache Certificates Logging Proxy Settings Remote Debugging Desktop Integration Security Server Whitelist Updates	<b>KV</b> 3 M5	K /GCP Suppor	t				00	00
	KV 4 M5	K /GCP Suppor	t				00	0
	KV 1 M5	K /GCP Suppor	t				00	0
	ZIIII KV	K /GCP Suppor	t					×.
							Ref	fresh
					ОК	Apply	Car	ncel

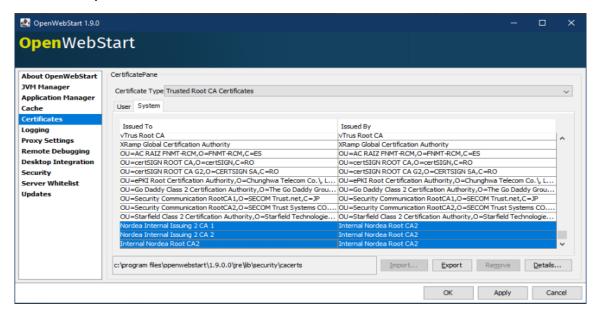
#### Cache

Cache settings allows user to limit the amount of caching on their system. Up to respective customer to decide on settings.

🛃 OpenWebStart 1.9.0			– 🗆 X
OpenWebS	Start		
About OpenWebStart	Temporary Internet Files		
JVM Manager	The JVM stores application data for faster execution the next time you run it.		
Application Manager			
Cache			
Certificates			
Logging			
Proxy Settings	_		
Remote Debugging	✓ Limit cache size		
Desktop Integration	Set the amount of disk space for storing temporary files (MB):		40 960 🌩
Security	Available: 79 815 MB		
Server Whitelist	Select the compression level for JAR files:	None	~
Updates	Select the location where temporary files are kept: C:\Users\M019334\.cache\icedtea-web\cache	Reset to default	Change
		View files	Clean by app
		view nies	Clean by app
		OK	Apply Cancel

#### Certificates

The trusted certificates are marked in the below print screen and will be added automatically.



#### Logging

This allows user to hide or display the logging window while launching the GCP/KVK Web application from JNLP file. Recommendation is to disable 'Logging'.

🛃 OpenWebStart 1.9.0			-		×
OpenWebS	Start				
About OpenWebStart JVM Manager Application Manager Cache Certificates Logging Proxy Settings	Log Console:	Hide  Increase verbosity of the log (loglevel = debug)  Log content of JNLP files  Log to standard out  Log to file			<
Remote Debugging Desktop Integration Security Server Whitelist Updates	Log Folder:	C:\Users\M019334config\;cedtea-web\ og		Selec	t
		OK Apply		Cano	el

### **Proxy Settings**

This section can be left as is. No changes needed.

🛃 OpenWebStart 1.9.0		_		$\times$
OpenWebS	Start			
About OpenWebStart JVM Manager Application Manager	○ No Proxy			
Cache	System Proxy			
Certificates				
Logging	<ul> <li>Firefox proxy</li> </ul>			
Proxy Settings Remote Debugging	O PAC based Proxy			
Desktop Integration Security	Pac URL:			
Server Whitelist Updates	O Manual Proxy			
	Proxy Address:: Bypass localhost		Advanced.	
	ОК	Apply	Can	cel

### Remote Debugging

This section can be left as is. No changes needed.

OpenWebStart	
About OpenWebStart The following option should only changed by developers that want to debug a JNLP based	
JVM Manager application by using remote debugging!	
Application Manager	
Cache	
Certificates	
Logging	
Proxy Settings Start suspended	
Remote Debugging	
Desktop Integration Use a random port	
Security	
Server Whitelist Host: 127.0.0.1	
Updates	
Fixed port: 5005	
OK Apply Canc	el l

### **Desktop Integration**

This section can be left as is. No changes needed.

🛃 OpenWebStart 1.9.0				-		$\times$
<b>Open</b> WebS	Start					
About OpenWebStart						
JVM Manager	Shortcut Handling:	Always if hinted				$\sim$
Application Manager						
Cache	Shortcuts Overwrite Strategy	Overwrite existing shortcuts			$\sim$	0
Certificates						
Logging						
Proxy Settings						
Remote Debugging						
Desktop Integration						
Security						
Server Whitelist						
Updates						
			ОК	Apply	Can	cel
				1000		

### Security

The files for deployment.config' and 'deployment.properties' are maintained through the settings in this section. Below settings are recommended.

🛃 OpenWebStart 1.9.0			-		×
<mark>Open</mark> WebS	Start				
About OpenWebStart JVM Manager Application Manager Cache Certificates Logging Proxy Settings Remote Debugging Desktop Integration Security Server Whitelist Updates	Security Settings  Allow users to grant permissions to signed content  Allow users to grant permissions to content from an untrusted authority  Warn if site certificate does not match hostname  Show sandbox warning banner  Allow user to accept JNLP security requests  Do not favor https requests  Assume local files belong to codebase				
		ок	Apply	Car	ncel

#### Server Whitelist

This section can be left as is. No changes needed

🛃 OpenWebStart 1.9.0				-		$\times$
<mark>Open</mark> WebS	itart					
About OpenWebStart	Server Whitelist					
JVM Manager Application Manager Cache Certificates Logging Proxy Settings Remote Debugging Desktop Integration Security Server Whitelist Updates	Specified Whitelist	Validated Whitelist				
			ОК	Apply	Can	cel



### Updates

Recommendation is to keep it disables. Nordea supports version 1.9 (April 2024).

🛃 OpenWebStart 1.9.0						×
<mark>Open</mark> WebS	itart					
About OpenWebStart		Check automatically for updates				
JVM Manager Application Manager Cache	Update strategy for settings:	On every start				$\sim$
Certificates Logging	Update strategy for app launches:	On every start Check for upd				$\sim$
Proxy Settings Remote Debugging		Check for upo				
Desktop Integration Security Server Whitelist						
Updates						
			OK	Apply	Can	cel