

# **Installation Instructions for SAP GUI for Java 7.4**

Version 4

January 2018

## Overview

This guide will provide the necessary steps to install the SAP JAVA GUI to access the CHEP SAP environment. Please note that no matter if you are installing new or upgrading from the old to the new version **all** steps below **must** be followed to connect to CHEP's system.

The SAP GUI for Java allows a user to access to CHEP's SAP system directly through the Internet Explorer browser (note that no other browsers are supported and will not work). The user can perform their daily transactions, reporting and other functions based on their security profile. This guide is for the latest version of the SAP GUI for JAVA which is SAP GUI for JAVA 7.4 rev 13, replacing the 7.2 and 7.3 versions previously used by CHEP which are no longer supported.

Please note that there is no requirement to remove the previous versions if they are already installed.

## System Requirements

### *Hardware*

- Hardware according to the requirements of the Windows version.
- RAM: 4GB recommended for better performance

### *Software*

- Browser
  - Only **Microsoft Internet Explorer** is supported. The solution will not work with any other browsers (such as Edge, Chrome, Firefox and Opera). This is related to the fact that other browsers do not support Java applets which this solution requires.
- Operating System
  - Windows 7 32- or 64-bit (Professional, Ultimate and Enterprise Edition)
  - Windows 8 32- or 64-bit (Professional, and Enterprise Edition)
  - Windows 8.1 32- or 64-bit (Professional, and Enterprise Edition)
  - Windows 10 32- or 64-bit (Professional, and Enterprise Edition)
- Visual C++ libraries VS 2012 11.0.60610 (x86 resp. x86\_x64) - Installation instructions detailed below in this guide.

- Oracle Java Runtime Environment 8.0 (32- or 64-bit) update 40 or newer. - Installation instructions detailed below in this guide.

## ***Network***

If your Internet traffic has to pass through a Corporate Network Firewall please request the following from your Network support team, if this is not setup the connection will not work:

- Allow http ports 80 and 443 to access <https://portfolioplus.chep.com/storage/sapgui74/> [the SAP GUI for JAVA application which is a JAVA applet is downloaded from there]
- Allow the port tcp 3299 from customer site to our external SAP router usersweb06.chep.com : its IP is 216.40.49.240

## **One-Time Installation Steps**

This document outlines the installation steps for the SAP GUI for Java. This installation is only required one time. After the initial install, the user can simply launch the SAPGUI for Java directly from their Internet Browser.

[Step 1: Install the Sun Java Runtime Environment](#)

[Step 2: Visual C++ Libraries VS 2012 11.0.60610](#)

[Step 3: Install the SAP GUI for Java](#)

## ***Issues***

Should you encounter any issues during your installation, please contact your CHEP representative or the [CHEP Service Desk](#)

### ***Step 1: Installing Sun Java Runtime Environment***

You need to ensure your pc runs Java version 1.8. [JAVA SE 8]

First, check if you already have java 8.

Go to <http://java.com/en/download/installed.jsp> and click on the “Agree and Continue” button:

- Help Resources
- » [What is Java?](#)
  - » [Remove Older Versions](#)
  - » [Disable Java](#)
  - » [Error Messages](#)
  - » [Troubleshoot Java](#)
  - » [Other Help](#)
- Mac OS X Chrome
- [Why can't I use Chrome with Java 7 on my Mac?](#)

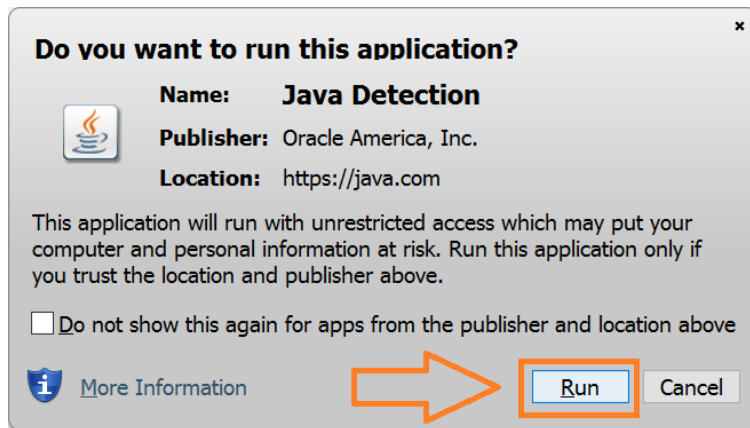
## Verify Java and Find Out-of-Date Versions

Check to ensure that you have the recommended version of Java installed on your Windows computer and identify any versions that are out of date and should be uninstalled.




By clicking Agree and Continue, you acknowledge that you have read and accepted the [license terms](#) for the verify and find old versions feature.

Select 'Run' if prompted:



If the next screen is as follows:

## Java Versions on Your Computer

 **Congratulations!**  
You have the recommended Java installed  
Version 8 Update 45

No out-of-date versions of Java were found.

[Return to the Java.com home page](#)

You don't need to update JAVA and you can proceed to [the next step : install the Visual C++ Libraries](#)

Else if the previous screen shows that an update of JAVA is required, follow the following instructions.

Go to <http://java.com/en/download/>

Click on “Free Java Download”:



The screenshot shows the Java website's download page. At the top is a red navigation bar with the Java logo on the left, a search box on the right, and 'Download' and 'Help' links in the center. Below the navigation bar, on the left, is a sidebar with the heading 'All Java Downloads' and a paragraph: 'If you want to download Java for another computer or Operating System, click the link below.' Below this is a link 'All Java Downloads'. Further down the sidebar are sections for 'Report an issue' and 'Why am I always redirected to this page when visiting a page with a Java app?'. The main content area has the heading 'Free Java Download' in red, followed by the text 'Download Java for your desktop computer now!' and 'Version 8 Update 45'. A large red button with the text 'Free Java Download' is highlighted with an orange border and an orange arrow pointing to it from the left. Below the button are three links: '» What is Java?', '» Do I have Java?', and '» Need Help?'.

Click on “Agree and Start Free Download”:



The screenshot shows the Java website's 'Download Java for Windows' page. It features the same red navigation bar as the previous screenshot. The sidebar on the left is titled 'Google Chrome Help' and contains a link '» Downloading a file in Chrome'. Below this is a section titled 'Help Resources' with several links: '» What is Java?', '» Remove Older Versions', '» Disable Java', '» Error Messages', '» Troubleshoot Java', and '» Other Help'. The main content area has the heading 'Download Java for Windows' in red, followed by 'Recommended Version 8 Update 45 (filesize: 623 KB)'. A large red button with the text 'Agree and Start Free Download' is highlighted with an orange border and an orange arrow pointing to it from the left. Below the button is the text: 'By downloading Java you acknowledge that you have read and accepted the terms of the end user license agreement'.

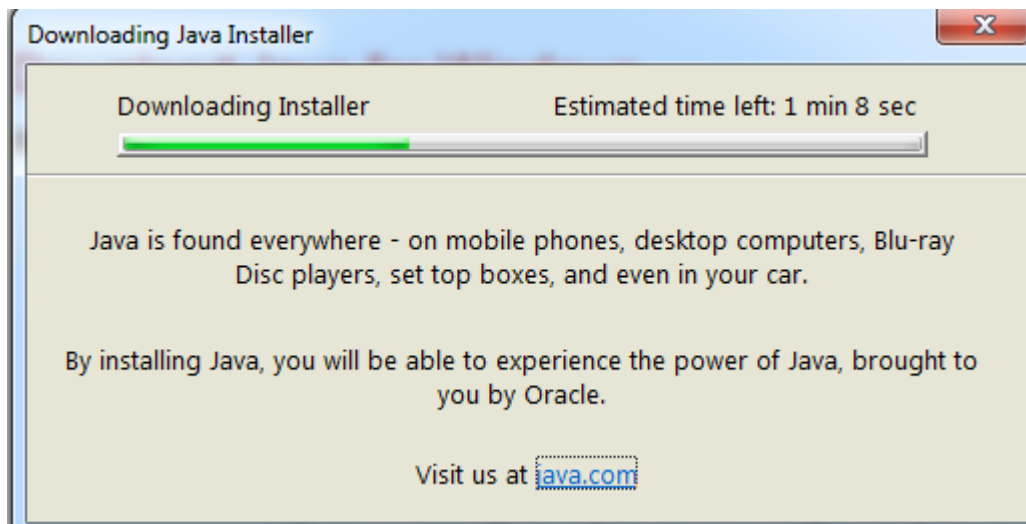
Please note that the “Update” number in the above screenshot may be higher than 45.

A popup will appear, click on the “Run” button

The screenshot shows a Java download page with a sidebar on the left containing links like "Troubleshoot Java" and "Other Help". A red button labeled "Agree and Start Free Download" is prominent. Below it, text states: "By downloading Java you acknowledge that you have read and accepted the terms of the [end user license agreement](#)". A warning icon and text indicate: "When your Java installation completes, you **may need to restart your browser** (close all browser windows and re-open) to enable the Java installation." In the foreground, a Windows security warning dialog is open, asking "Do you want to run or save JavaSetup8u25.com (623 KB) from sdc-esd.sun.com?". The dialog includes a warning icon and the text "This type of file could harm your computer." The "Run" button is highlighted with an orange box, and an orange arrow points down to it from above.

The download of JAVA begins.

Follow the instructions to install:



If at any point you are prompted with this following screen (you may not be) : un-tick the option “Install the Ask toolbar in Internet Explorer” and un-tick the option “Set and Keep Ask as my default search provider in Internet Explorer” and then click “Next”:



It will install Java:



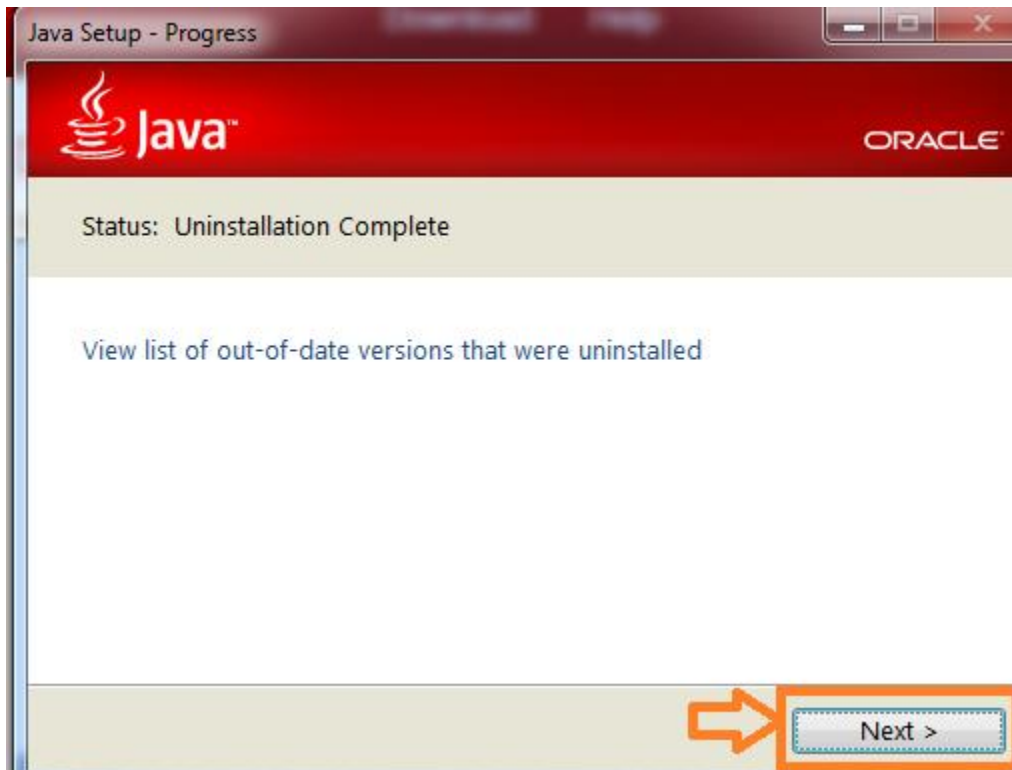


It may prompt you to remove obsolete java versions, click on the “Uninstall” button:



Example of an old java version being removed:





It may display this; in that case, leave "Restore Java security prompt" ticked:



Installation is complete select Close:



It may open a browser for you to Verify Java Version, if you follow the instructions, you should get a “Congratulations!” message showing JAVA version 8 update nn (where nn is 25 or more)

## Verified Java Version



**Congratulations!**

**You have the recommended Java installed (Version 8 Update 25).**

**Please note:** If at a later date you are prompted to update your version of Java please be cautious as updating the version of the Java Runtime can cause the SAP Java GUI to stop functioning as expected.

### ***Step 2: Install Visual C++ Libraries VS 2012 11.0.60610***

Please note that this is only required once. The installation file can be found on the CHEP Java GUI initial page. Go to page <https://portfolioplus.chep.com/storage/sapgui74/> [please make sure not to forget the / at the end of the URL] and select:

“Install: Visual C++ Libraries VS 2012 (x86)” near the bottom of the page:



Unauthorized usage of the system is a violation of the law. All unauthorized users will be prosecuted to the full extent permitted by the applicable law.

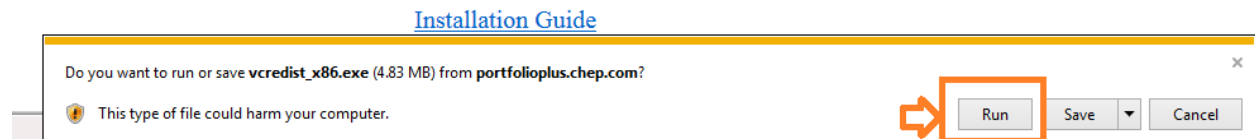
**MOST IMPORTANT PRODUCTS.**  
**everyday.**

[Installation Guide](#)

[Install: Java Runtime 8](#)

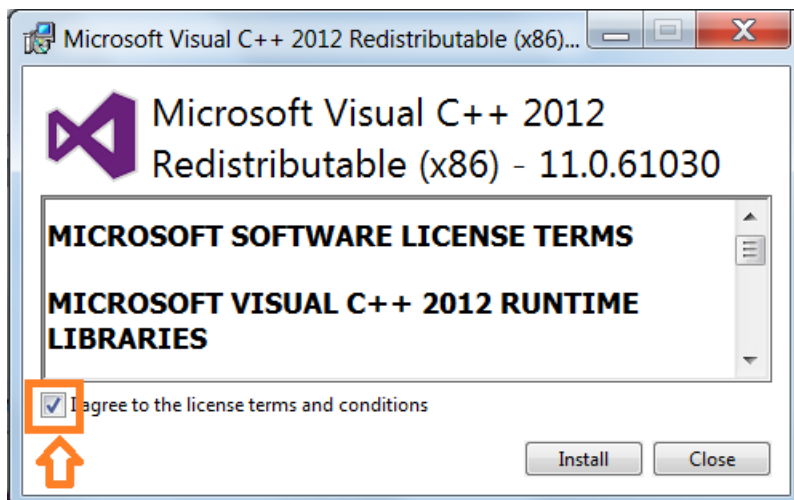
 [Install: Visual C++ Libraries VS 2012 11.0.60610 \(x86\)](#)

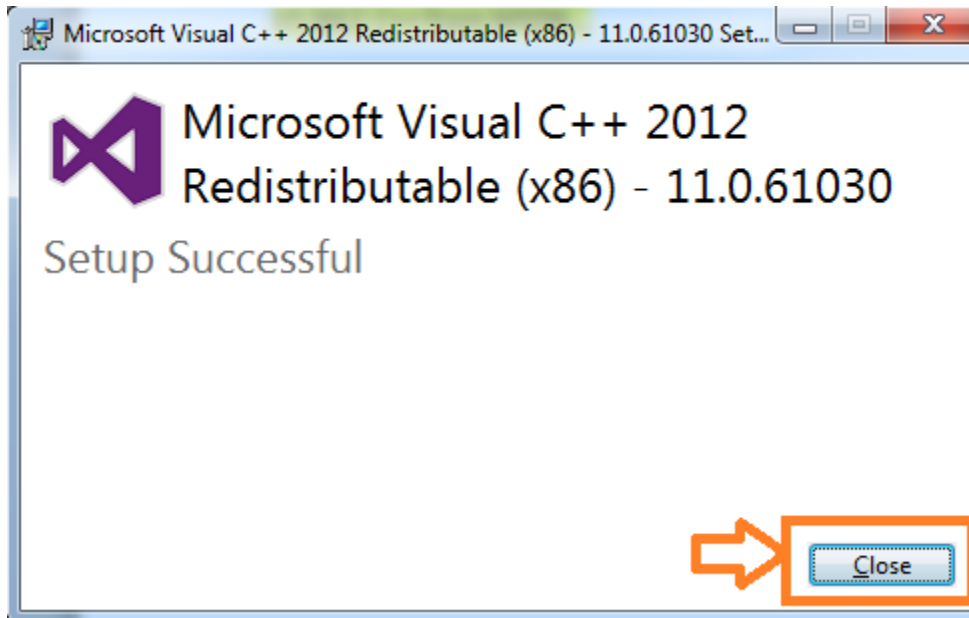
A popup will appear , click on the “Run” button:



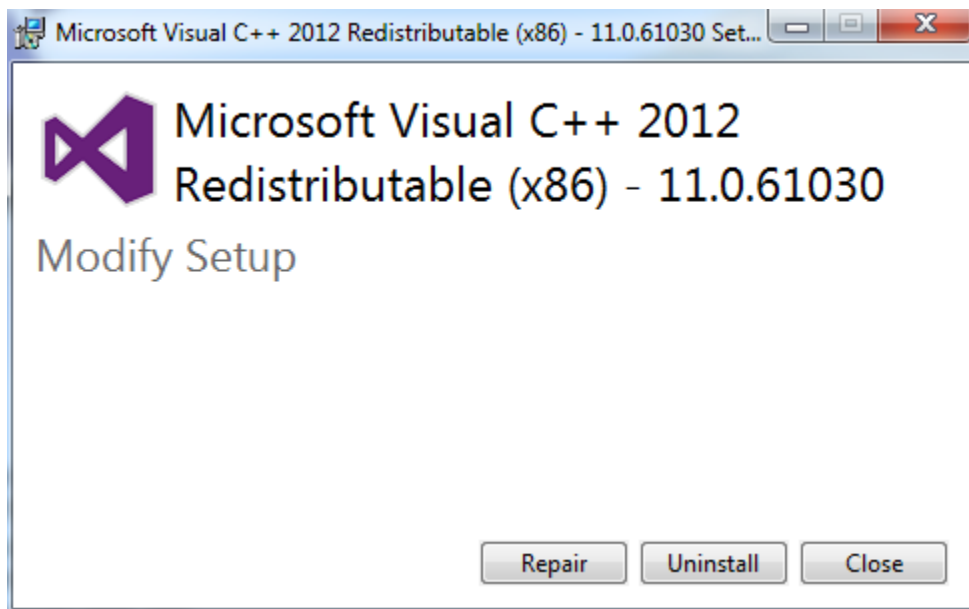
The download duration will vary depending on your internet connection.

Tick the box to agree the license terms





**if** you get the following the Click 'Repair'



Once this has been installed there is no need to run this step again.

### ***Step 3: Installing SAP GUI for Java***

Once Java 1.8 and C++ libraries are installed, access the CHEP web site to install the SAP GUI for JAVA 7.4 on your PC with the URL:

<https://portfolioplus.chep.com/storage/sapgui74/> [please do not forget the / at the end of the URL]

Please note: that if you were using a different URL before you need to stop using that URL and use this new one in future. If you use the old URL it will use the old version of the Java GUI. Please bookmark this new URL and remove the old one.

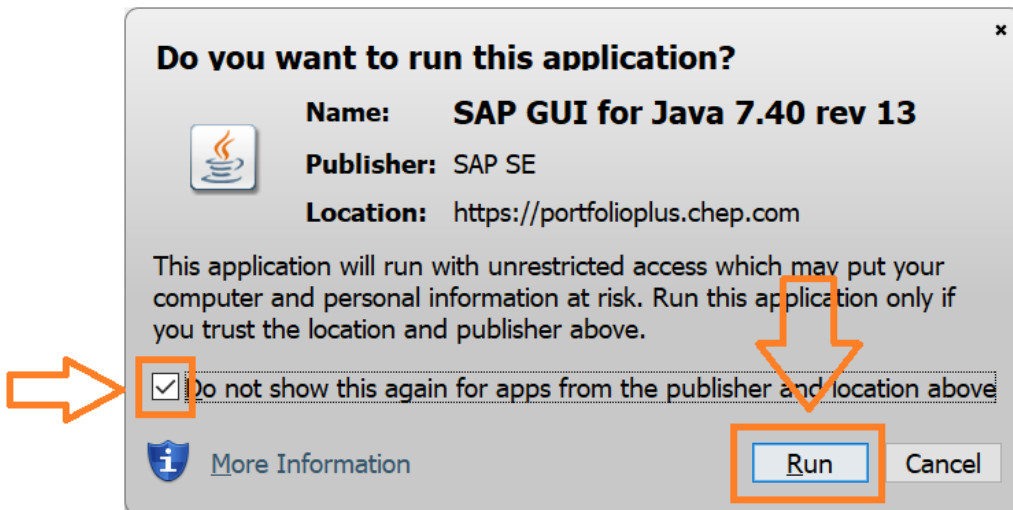
Click the “Launch Application” button:



A Blank explorer page will appear with the Java loading logo:



If you get the following message please select “Do not show this again for apps from the publisher and location above” and click on “Run”:



Installation Steps:

- (1) Introduction
- (2) Readme
- (3) Define Options
- (4) Install
- (5) Summary

### SAP GUI for Java Installation

#### SAP GUI for Java 7.40 rev 13

This program will guide you through the installation of the SAP GUI for Java 7.40 rev 13.

If this version is already installed you can remove the installation, or replace the old installation with a new one.

#### Build Information

Version ID: A074000041300  
Build Date: 2017-11-15 06:30:33 +0100  
Build Info: vml4250, 740\_REL, 1802066



Next Cancel



Installation Steps:

- (1) Introduction
- (2) **Readme**
- (3) Define Options
- (4) Install
- (5) Summary

## Readme

Release 7.40 rev 13 (November 9, 2017)

### Enhancements and New Features

- **New Certificate for Code Signing:**

- A new certificate has been used to sign this version, replacing the older certificate, which is only valid until November 28, 2017. For being able to run this version as an applet, also the Web Server must be updated with this version. Please refer to [Known Issues](#) for details.

- **Grid and Calendar Control:**

- The context menu has been reimplemented in order to improve scripting functionality.

- **SAPInfo Control** (ABAP class CL\_GUI\_FRONTEND\_SERVICES):

- DIRECTORY\_LIST\_FILES now reports additional file attributes.

### Bugfixes

- **Calendar Control:**

- The F12 key did not work when a Calendar Control had the focus.
- Various issues scrolling and navigating in calendar have been solved.

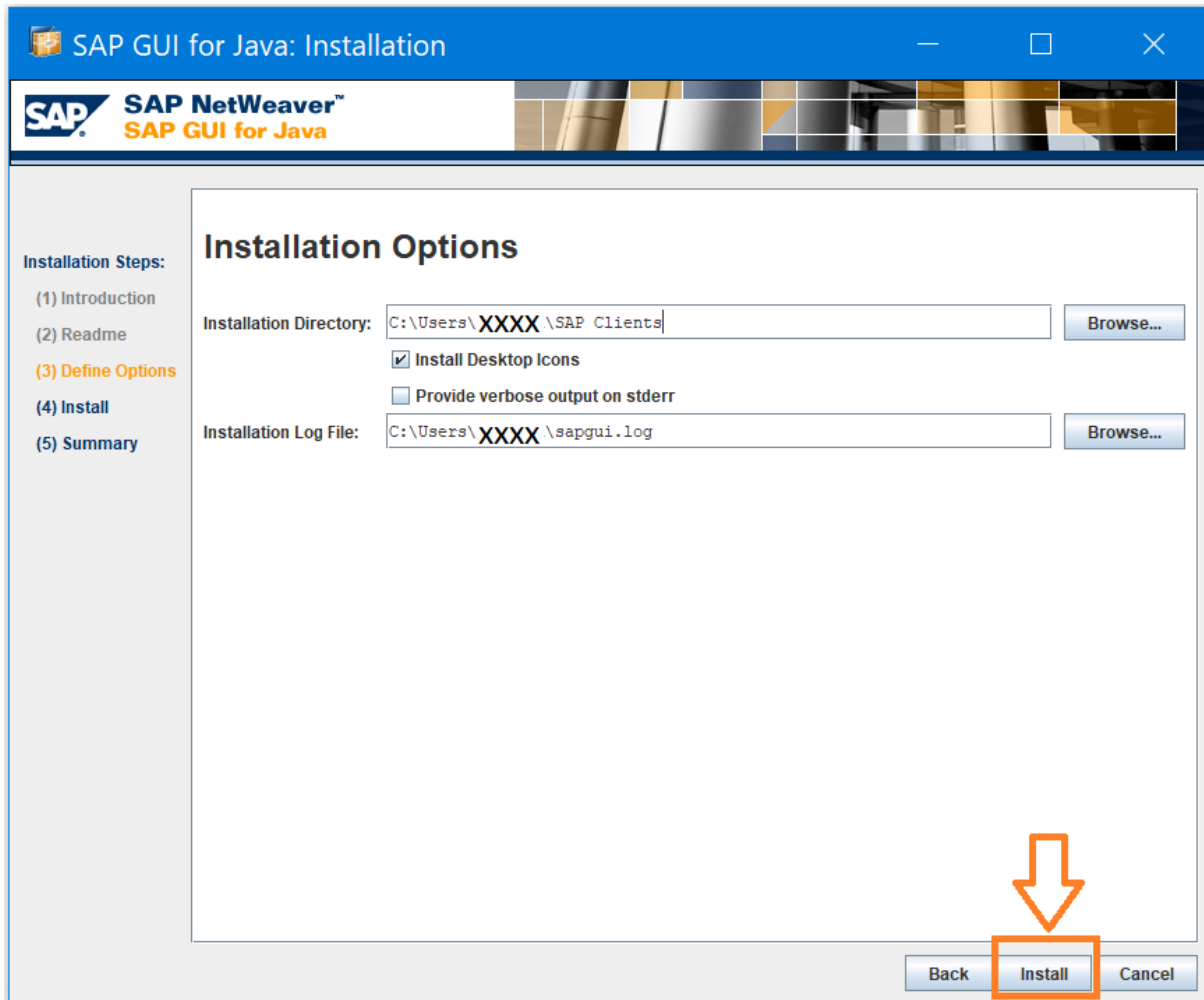
- **Html Control:**

- Handling of subsequent calls to SHOW\_URL / SHOWDATA has been improved.

- **Image Control:**



Back **Next** Cancel



The installation will take a few minutes depending on the speed of your network connection and your computer.



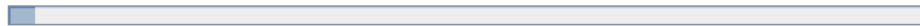
**Installation Steps:**

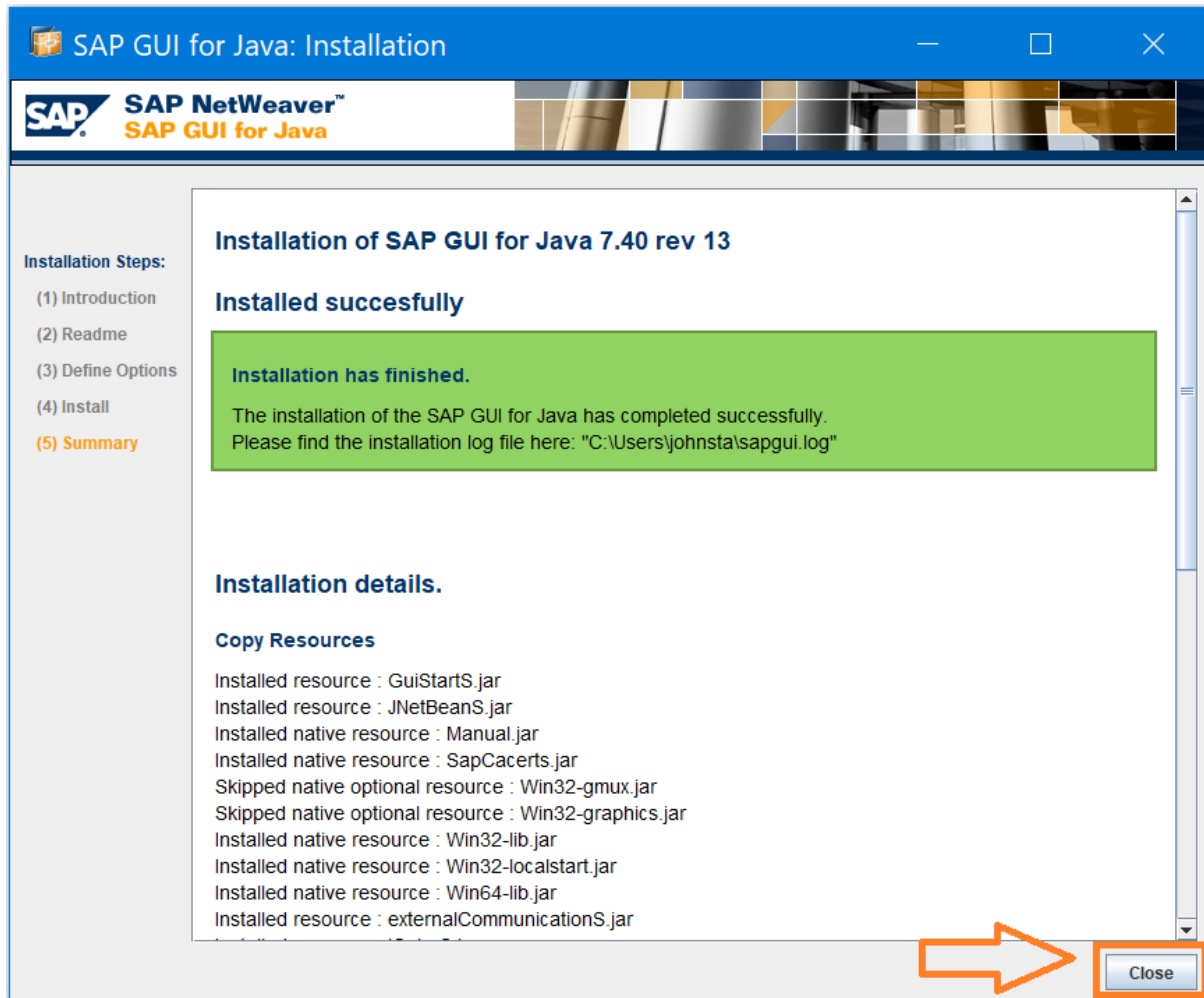
- (1) Introduction
- (2) Readme
- (3) Define Options
- (4) Install**
- (5) Summary

## Install SAP GUI for Java 7.40 rev 13

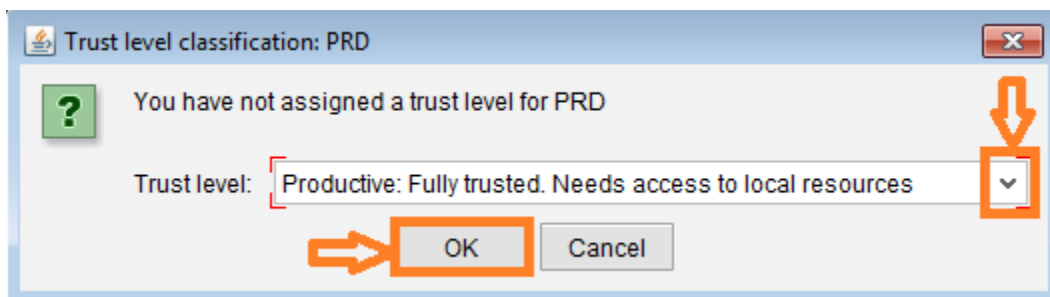
### Copy Resources

Loading resource JNetBeanS.jar

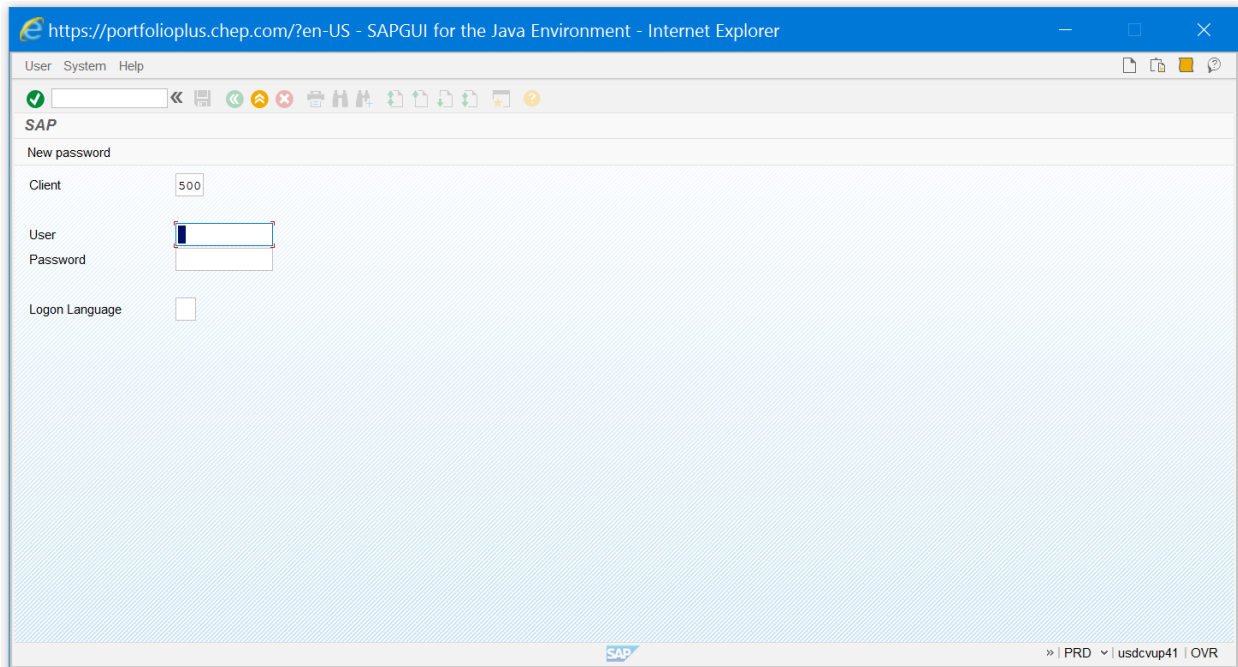




A popup window may appear and will ask you about the Trust Level of the SAP application. Please change from the default choice *"Internal: Generally trusted, does not require extensive privileges"* to *"Productive: Fully trusted. Needs access to local resources"* and press the OK button:



The installation is now complete and the logon screen will appear as follows:



Please now login to SAP using your SAP User ID [begins with PL\_ or CC\_] and Password.

In future to logon simply go the same URL i.e.

<https://portfolioplus.chep.com/storage/sapgui74/> [please do not forget the / at the end of the URL]

And click the same “Launch Application” button.

## Help and support

Please contact the CHEP Service Desk.

Please have your name and contact details ready.

- Your full name
- Your email,
- Your phone number
- Your plant ID [4 characters: 2 for the country and 2 for the plant identifier, examples FR54, ZA55, AU6M, US1E, etc.]
- Your SAP user name [which begins with PL\_ or CC\_]
- A screenshot of the error
- The Service Desk may also ask you to provide more technical details like your Windows Operating System version; your JAVA runtime version [should be at least Java 8 update 25]

## Toll Free Number Globally

IT Service Desk toll free numbers listed below.

AE 80004447655		IN 000 8004405065	SE 0 20109172
AR 0 8002665298	CZ 800050304	IT 800969746	SG 18007231447
AT 0 8000706287	DE 08007243529	MX 0 18004360220	TH 1800011429
AU 1800387467	DK 80252673	MY 1800885734	TR 800448826673
BE 0 80081967	ES 900822538	NL 0 8002929232	UK 0 8000556828
BR 0 8000474109	FI 0 800774280	NO 80058204	US 1 844 213 9821
CA 1 888 243 2015	FR 0 805542489	NZ 0 508767768	ZA 0 800204254
CA FR 1 888 307 1628	GR 00 80044143451	PL 800707186	
CH 0 800000749	HU 0 680982517	PT 800784729	
CL 800395283	IE 1800818733	RU 88005556756	

## Technical details

### *Network*

As mentioned in the [requirements section](#):

- Allow http ports 80 and 443 to access <https://portfolioplus.chep.com/storage/sapgui74/> [the SAP GUI for JAVA application which is a JAVA applet is downloaded from there]
- Allow the port tcp 3299 from customer site to our external SAP router usorsweb06.chep.com : its IP is 216.40.49.240.

The protocol that uses the port 3299 tcp is the SAP NI protocol. This is how the data will be sent from the front end [SAP GUI for Java running on your computer] to the CHEP external SAP router [in the CHEP DMZ] and will be forwarded to the CHEP SAP backend. The SAP backend will then send the answer to the front end query to the SAP router which will be sent back to the front end [SAP GUI for Java running on your computer]

Definition of the SAP NI protocol can be found here :

[http://help.sap.com/saphelp\\_nw70ehp1/helpdata/en/96/c120f8860d11d2ac790000e83539c3/frameaset.htm](http://help.sap.com/saphelp_nw70ehp1/helpdata/en/96/c120f8860d11d2ac790000e83539c3/frameaset.htm)

## ***Front end***

As mentioned in the [requirements section](#):

A supported Operating System

A Java runtime environment 8

Browser settings should be set to enable the execution of JAVA applets

Which Java download should I choose for my 64-bit Windows operating system?

[http://java.com/en/download/faq/java\\_win64bit.xml](http://java.com/en/download/faq/java_win64bit.xml)

## ***Security in SAP***

The SAP user accounts are nominative. I.e. a plant can have several user accounts.

A user account is restricted to see data for its plant only. This is achieved via the SAP security standards.

A user has one or several roles assigned. Those roles contain a collection of authorization objects which values have been tailored by the CHEP SAP Security Analysts.

## ***SAP Documentation***

SAP GUI for Java requirements for Windows: cf. SAP note [2059424 - SAP GUI for Java: Requirements for Release 7.40](#) [requires you to have an SAP Service Market Place account [S-ID]]

SAP GUI for JAVA documentation: once you have installed the software on your computer, C:\Program Files\SAP Clients\SAPGUI for Java 7.40\doc

SAP identity Management:

[http://help.sap.com/saphelp\\_nw70ehp1/helpdata/en/52/671595439b11d1896f0000e8322d00/framest.htm](http://help.sap.com/saphelp_nw70ehp1/helpdata/en/52/671595439b11d1896f0000e8322d00/framest.htm)