



USING JAVA 8 WITH ASYCUDA WORLD GUYANA



JAVA™

JAVA™

GUYANA REVENUE
AUTHORITY
ASYCUDA WORLD
NATIONAL PROJECT TEAM

Contents

PREFACE	2
INSTALLING JAVA 8.....	3
Checking if Java installed correctly	4
Create an Exception for ASYCUDA WORLD in JAVA.....	5
Update the java.security file	8

PREFACE

This manual is intended to assist with the installation and configuration of Java 8 for the purpose of ASYCUDA WORLD GUYANA.

INSTALLING JAVA 8

1. Go to <https://www.java.com/en/download/> and click the download button as shown below followed by selecting the agree and start free download button.

Java Download

Download Java for your desktop computer now!

Version 8 Update 211

Release date April 16, 2019

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. **THIS BUTTON** Java licenses may no longer be available. **THIS BUTTON** Java licensing 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](#).

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By downloading Java you acknowledge that you have read and accepted the [license](#).

THIS BUTTON

2. You should see a file starting with JavaSetup8u starting to download. In the below example the file is JavaSetup8u211.exe. Click the file which will appear at the bottom of the screen as shown below. After actioning Step 1 proceed in selecting Install as shown in Step 2.

JavaSetup8u211.exe

Step 1. Select to start download

Java Setup - Welcome

Welcome to Java - Updated License Terms

The terms under which this version of the software is licensed have changed. [Updated License Agreement](#)

This version of the Java Runtime is licensed only for your personal (non-commercial) desktop and laptop use.

Commercial use of this software requires a separate license. **THIS BUTTON** Click Install to accept the license agreement and install Java on your system.

No personal information is gathered as part of our install process. [Details on the information we collect](#)

Change destination folder

Step 2. Select the Install Option

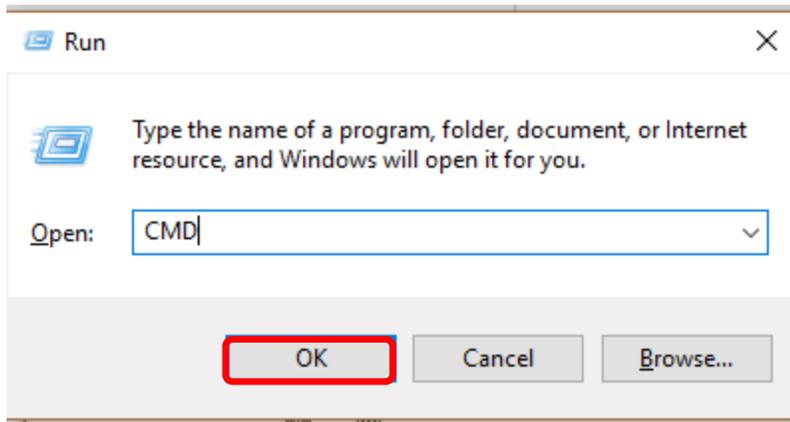
Install Remove

Checking if Java installed correctly

1. To check if you have java installed press the windows key and the R key on your keyboard together as shown below.



2. A window will appear, type “CMD” and press “OK” as shown below.



3. A new window will appear. Type “java -version” followed by the enter key.



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\lbrowman>java -version
java version "1.8.0_211"
Java(TM) SE Runtime Environment (build 1.8.0_211-b12)
Java HotSpot(TM) 64-Bit Server VM (build 25.211-b12, mixed mode)

C:\Users\lbrowman>
```

4. If the following line starts with java version “1.8” you have installed Java 8 correctly.

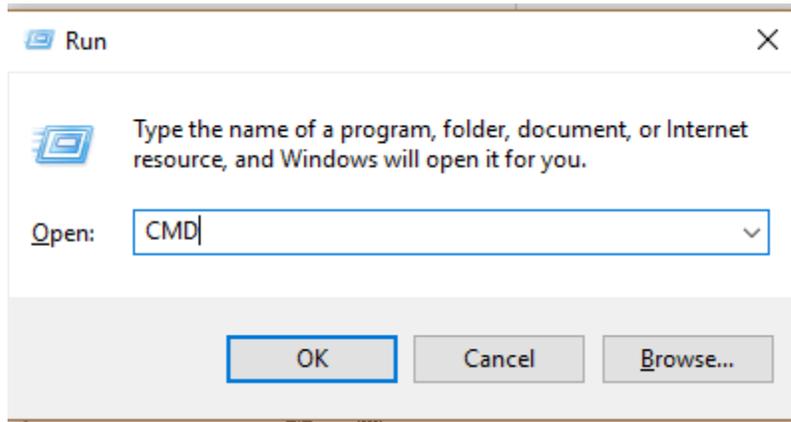
Create an Exception for ASYCUDA WORLD in JAVA

Now that Java 8 has been installed correctly, we need to configure the exception list for ASYCUDA WORLD GUYANA.

1. Access the Java Control panel by doing one of the following:



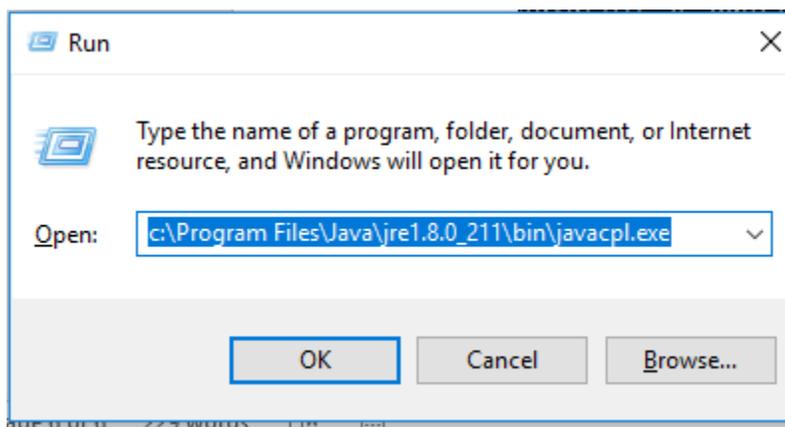
type “CMD” and press “OK” as shown below.



Type of the following depending on your java version followed by enter:

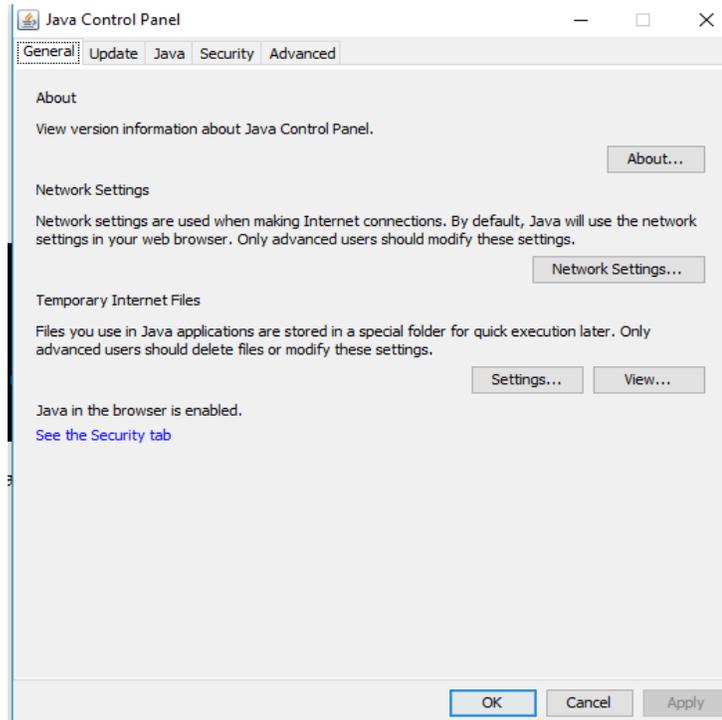
“c:\Program Files\Java\jre8\bin\javacpl.exe” or

“c:\Program Files\Java\jre1.8.0_211\bin\javacpl.exe”

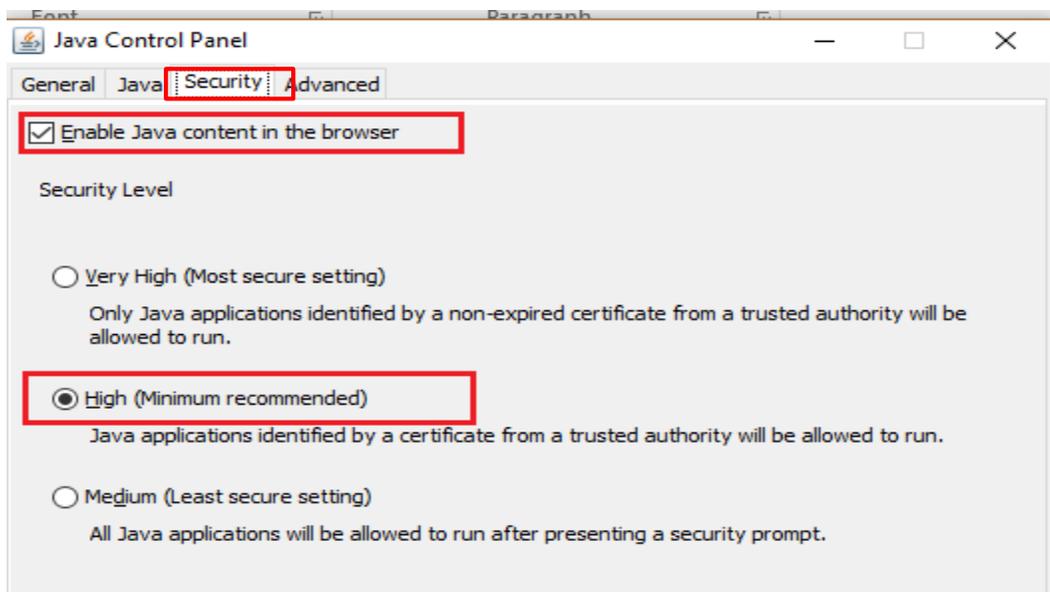


Security Tab

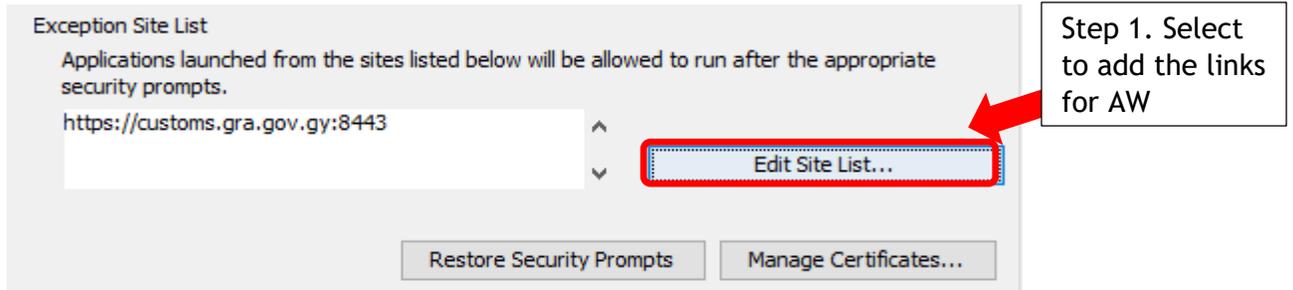
The Java control box will appear as shown below.



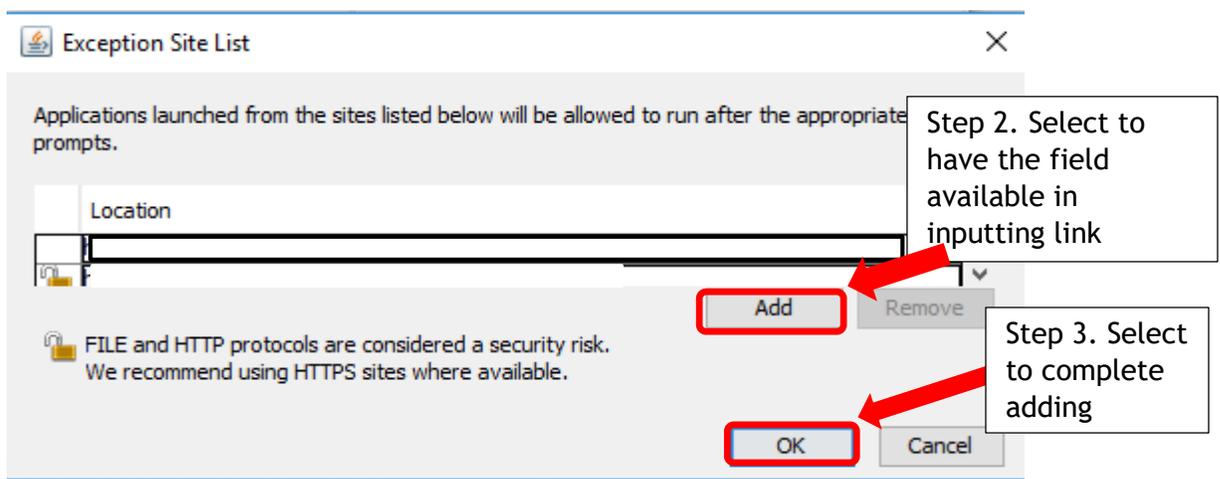
2. Select the security tab and proceed to ensure that Java content is enabled in the browser. The Security Level either be “High” or “Medium”.



3. Under the said Security tab, click edit site list under Exception Site List.



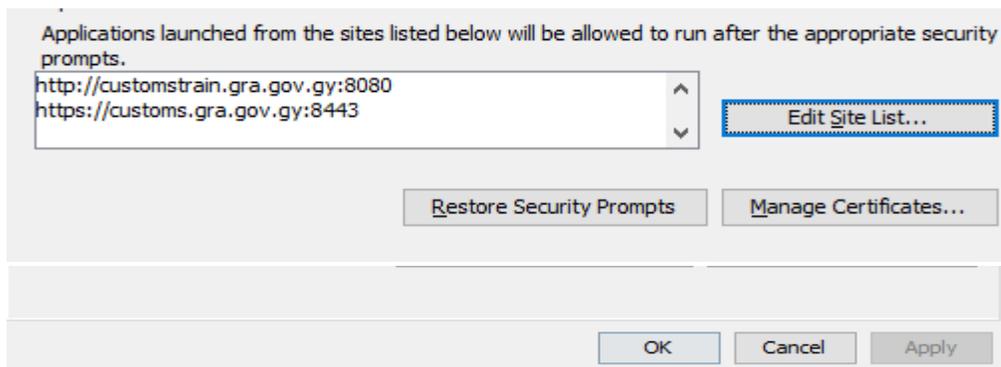
4. A new window will appear, select the option Add



5. Input the below links in separate fields, which will appear after selecting the option Add. To complete adding the links, select the option OK in the “Window Exception Site List” as shown above.

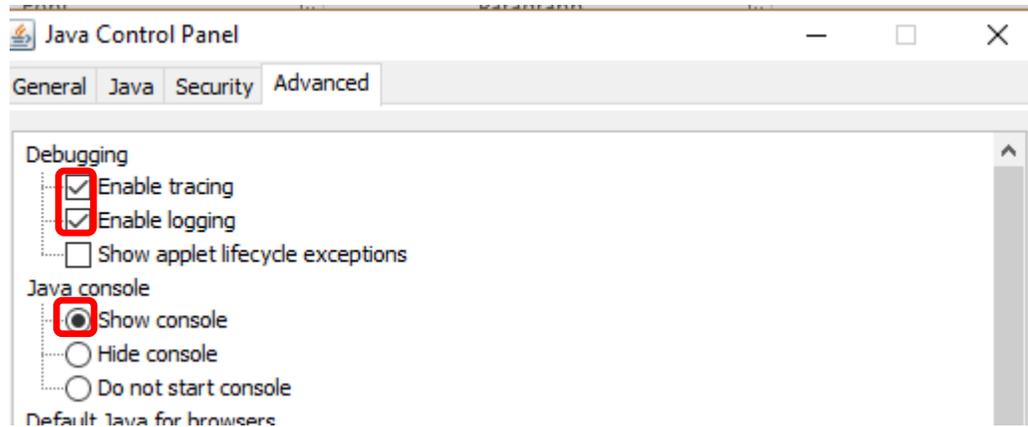
<https://customs.gra.gov.gy:8443>
<http://customstrain.gra.gov.gy:8080>

6. After selecting the option Ok, the below will appear with links added.



Advanced Tab

7. Under the Advanced tab and the user is advised to “enable tracing”, “enable logging” and “show console” as shown below.



8. To complete the Java Control Panel configuration, Select Apply and close the java control panel.

Update the java.security file

Lastly the java.security file has to be updated.

Check your Java version. In this example the java version is 1.8.0_211.

If you have updated to the latest as of 20180830 this would be 1.8.0_211.

STEPS

1. Run Notepad as Administrator
2. Click open file and search for the “java.security” .
Look for the java.security find.
It should look like the below

C:\Program Files\Java\jre1.8.0_211\lib\security

3. Once the file is opened Look for the below:

`jdk.tls.disabledAlgorithms=SSLv3, RC4, MD5withRSA, DH keySize < 1024`

or use

`RC4, DES`

4. Change the 1024 to 768. It should now look like this

`jdk.tls.disabledAlgorithms=SSLv3, RC4, MD5withRSA, DH keySize < 768`

5. Save the document.
6. Launch ASYCUDA WORLD GUYANA.