

New signing applet for generating digital signature using e-Cert in WBRS

Introduction

Applicant is required to sign the application digitally with her/his e-Cert to complete the electronic submission (e-submission) in WBRS (Web-based Registration Services). Due to discontinued support for using the existing signing module in latest versions of Internet Explorer, a new signing applet has been developed in WBRS to generate the digital signature for the submission of application.

This document provides information to the WBRS user on the setup and use of the signing applet to generate digital signature for the application during the e-submission process.

Basic Requirements of WBRS

- | | |
|------------------|--|
| Operating system | <ul style="list-style-type: none">• Windows 10 (32-bit or 64-bit)• Windows 8.1 (32-bit or 64-bit)• Windows 7 with SP1 (32-bit or 64-bit) |
| Web browser | <ul style="list-style-type: none">• Internet Explorer 11 |
| Java runtime | <ul style="list-style-type: none">• Java SE Runtime Environment 8 (Only required for application signing) |

Additional Settings in Internet Explorer (IE) 11

1. The WBRS website (<https://wbrs.emsd.gov.hk>) must be added to the "Trusted Sites"
2. The WBRS website must NOT include in the "Compatibility View Setting" in IE 11

When visiting the WBRS website, configuration checking will be performed automatically for your computer to verify if required operating system and web browser versions are used to access the WBRS.

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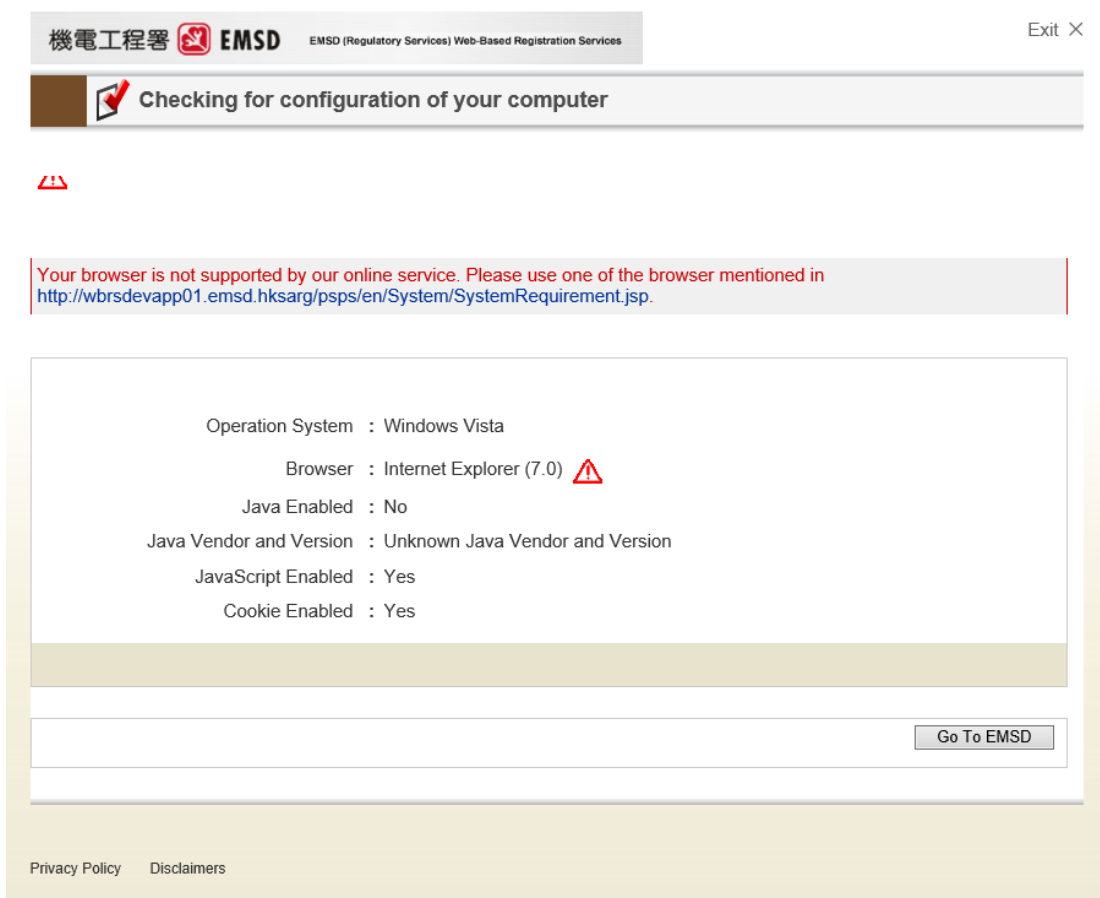


Figure 1. Checking configuration of your computer showing that the requirement for using WBRS cannot be fulfilled

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Installation of Java

Java can be downloaded from the Java official website at <https://www.java.com>



Figure 2. Java official website

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The Java download page will provide the recommended version to be installed. Follow the instructions on the page to download the recommended version.



Figure 3. Java download page

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When download is completed, run the downloaded installer and follow the prompted instructions to complete the setup.

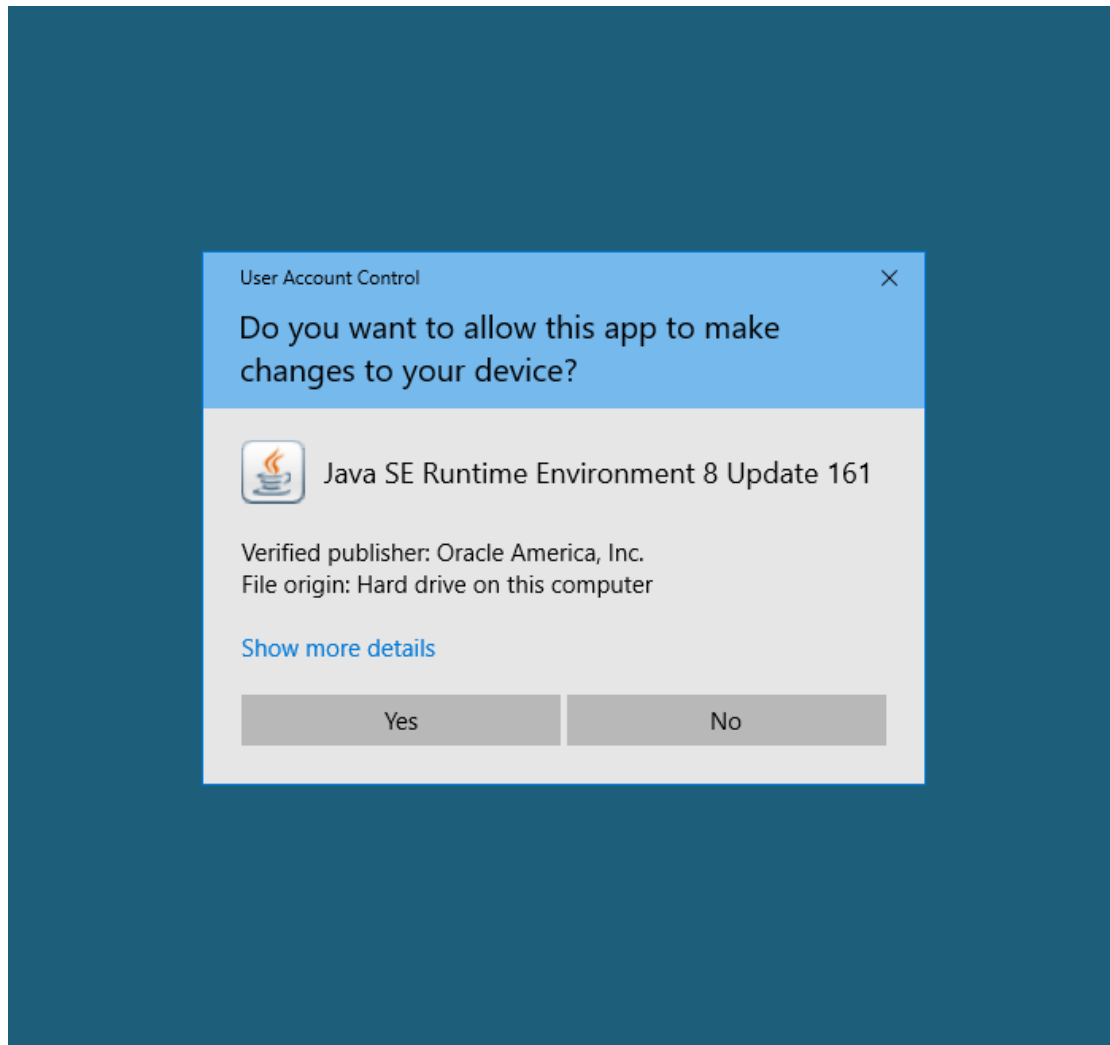


Figure 4. Setup of Java SE Runtime Environment

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After completing the installation, you can visit the Java website at <https://www.java.com> to verify that Java has been installed.



Figure 5. Verify Java page



Figure 6. Verification results for successful installation of Java Runtime

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Signing Applet

Pre-requisites

Before proceeding to sign application in WBRS, you must have

1. A e-Cert file with “.p12” as file extension issued by Hongkong Post, and
2. The associated password for the e-Cert.

Procedure for signing the application

1. The information required for the application should be provided according to the instructions on the screen.
2. Upon the “Confirm and Sign” page loaded in the IE 11, a prompt for your permission to run the application as shown below will be displayed.

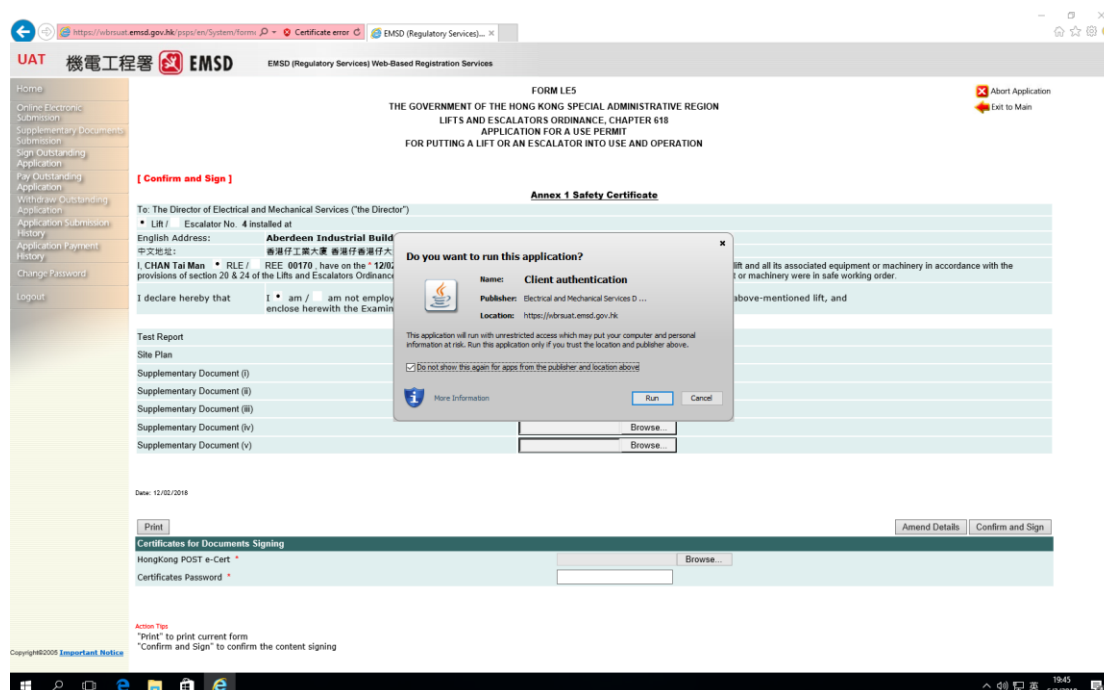


Figure 7. “Confirm and Sign” page

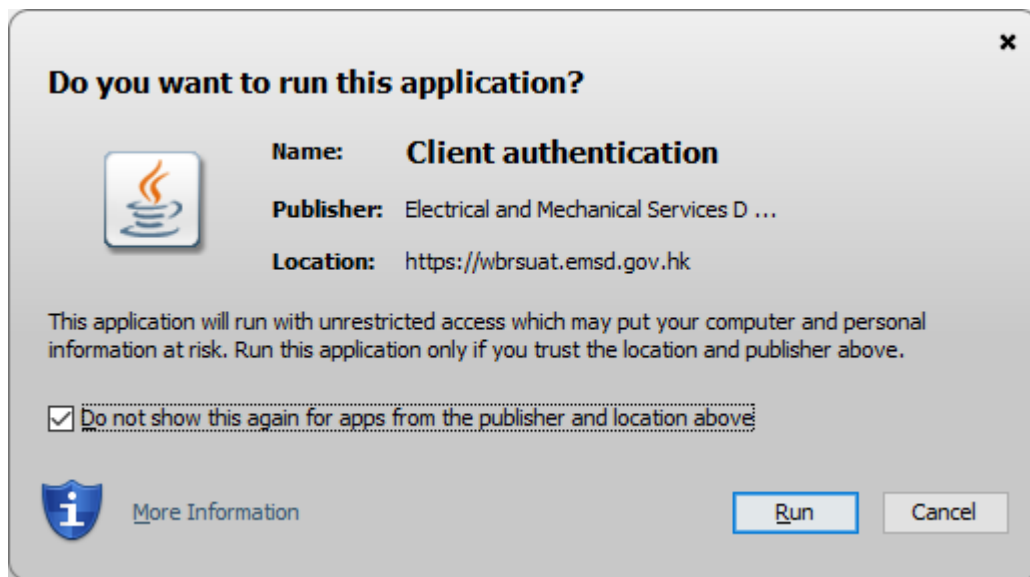


Figure 8. Prompt for permission to run the WBRS signing applet

3. In the message prompt, tick the checkbox for “Do not show this again for apps from the publisher and location above” if desired. Click “Run” button to proceed.
4. If submission of supporting document is required, browse and select the file(s) for upload. When completed or when no supporting document is required, proceed to step 5 below.
5. In the “Certificates for Documents Signing” section in the lower part of the page (as shown below), click “Browse” button and select the e-Cert file with “.p12” as file extension issued by Hongkong Post from your computer

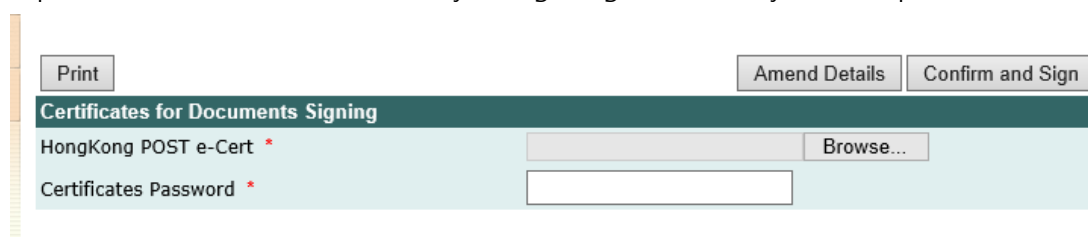


Figure 9. “Certifications for Document Signing” section

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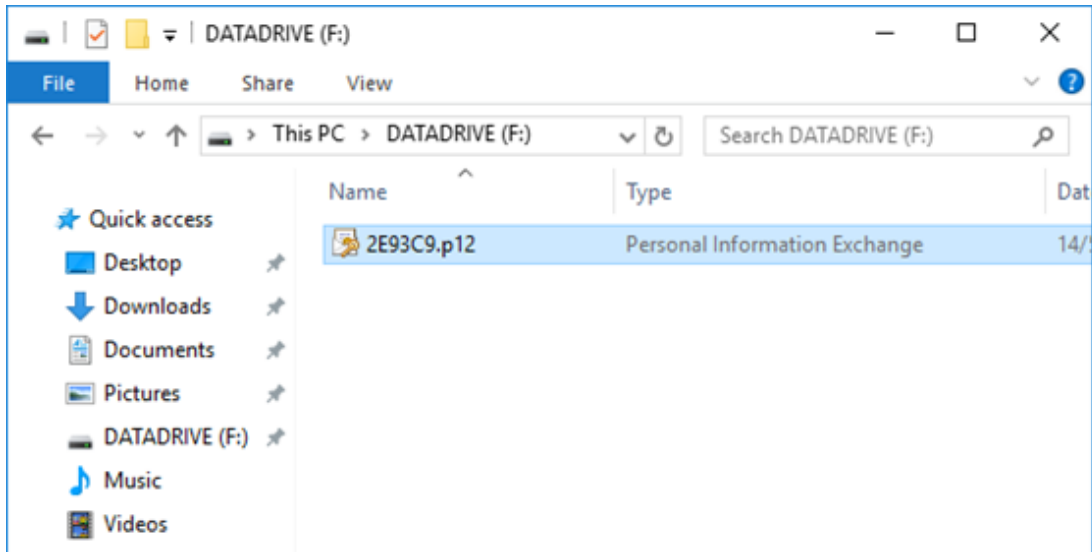
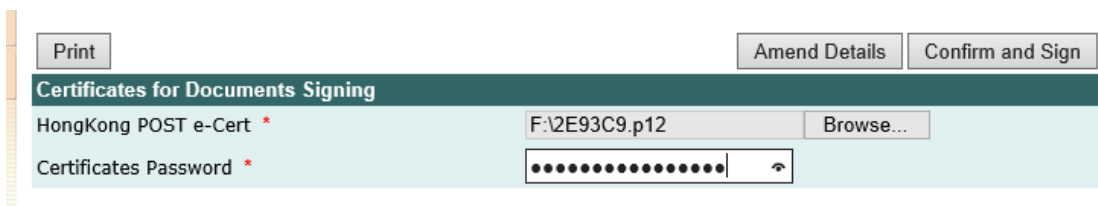


Figure 10. Select the e-Cert file

6. Enter the e-Cert Password to the "Certificates Password" textbox.



7. Click "Confirm and Sign" button.

8. Signing Confirmation page should be displayed when signing and the e-submission was completed successfully.

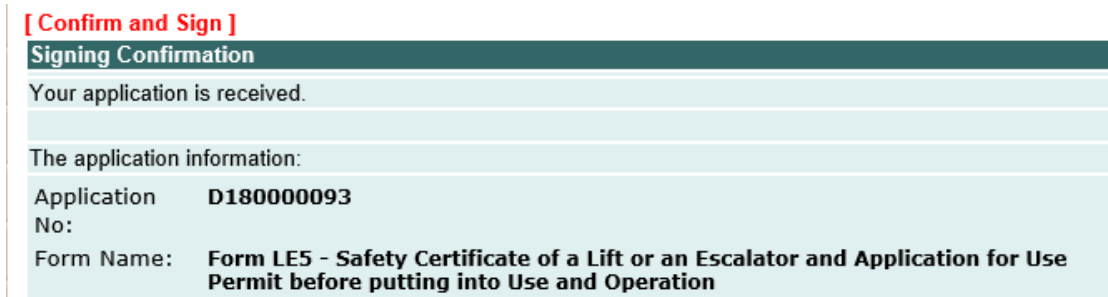


Figure 11 Signing Confirmation