Emirates ID Card Reader Configuration Guide

Configure EID Card Reader on RTA E-Traffic System

ROADS & TRANSPORT AUTHORITY

RTA

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1   Introduction

This document provides a smooth configuration steps and screenshots to install the Emirates ID Card Reader on E-Traffic system.

2   System specifications.

As a recommendations, your system should meet the following specifications to ensure that the system will run in proper way:

- WIN7 SP1 Operating System or above.
- Internet connection.
- Internet Browser IE Version 11.

3   Card Reader Setup Steps

Emirates ID Authority (EIDA) recommends to use "*OMNIKEY 1021*" Card Reader (Mentioned below in the images) as this reader is a Self-Defined Device.

4   Java Setup Steps

These steps here assumes the installation of the EIDA Card Reader on a PC that has no Java installed, and to go a smooth and guaranteed installation make sure to uninstall any Java version you have and start a fresh installation.

4.1   Remove installed version of Java on your PC by:

    A.   Go to Control Panel

    B.   Click on "Programs and Features"

    C.   Uninstall any Java program installed
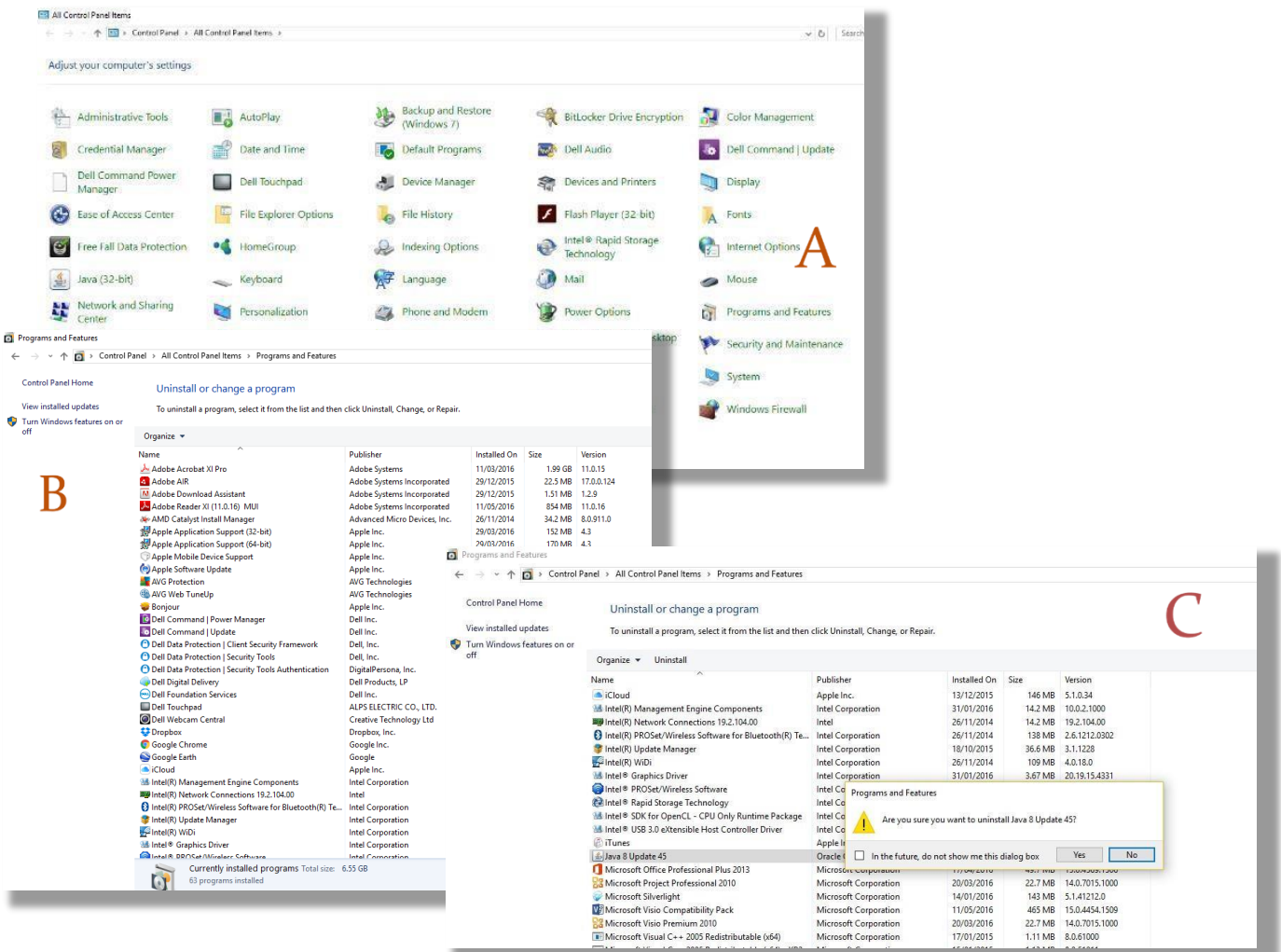
4.2 Installing Java version on your PC by:

Whether your PC runs on a 64bit or 32bit Operating System, we recommend to install Java 32bit as this is the certified version of Java to run the EIDA Card Reader.

    A. Go to www.google.com

    B. Search for "Download Java jre-8u92-windows-i586"

    C. Or as alternative, you can download it directly from the following link: *http://filehippo.com/download_jre_32/tech/*


    D. After downloading the file you can install it by a "Double Click" on the execution (.exe) file, and follow the installation wizard:
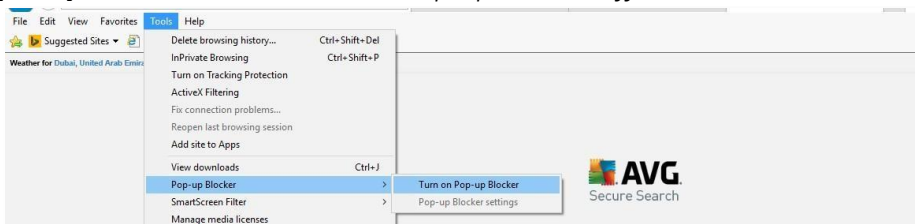

    E. Go the https://www.java.com/en/download/installed.jsp on the IE11 Browser to verify that Java was installed successfully.

You might have the following message on the browser when you open it, please click on "Enable" to enable the 'Java™ Plug-In SSV Helper' add-on on the browser in order for the Java to work.
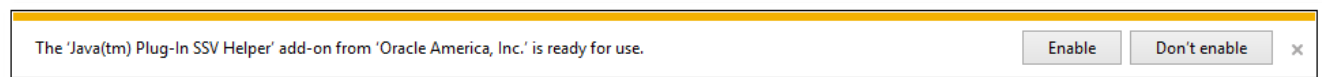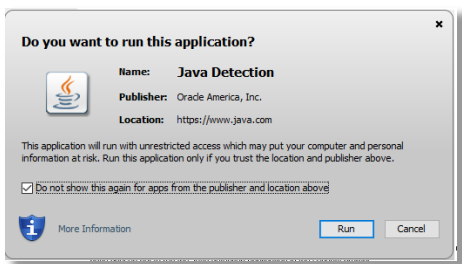

[Note]: Please make sure to turn Pop-up Blocker Off on the IE11 Browser:

F. When the Java Verification Web Page opens, click on "Agree and Continue" button:

G. After you click on "Agree and Continue" button, you will get the following alert, please click on the checkbox *"Do not show this again for apps from the publisher and location above"*, and then click on "Run" button.


H. After you run the application as mentioned in the previous point, you will have the confirmation from the publisher that you have the recommended Java version and the IE11 Browser is compatible with this installed version:

4.1 Setup Java Security Options on your PC by:

   a. In the Control Panel, double click on *Java (32-bit)* icon and add https://traffic.rta.ae URL and https://smarttraffic.rta.ae to the *Exceptions Site List* under:
Java Control Panel > "Security" Tab > "Edit Site List" Button
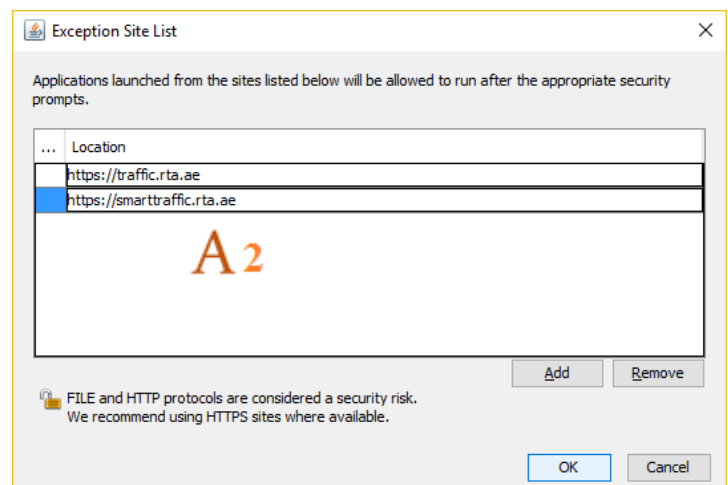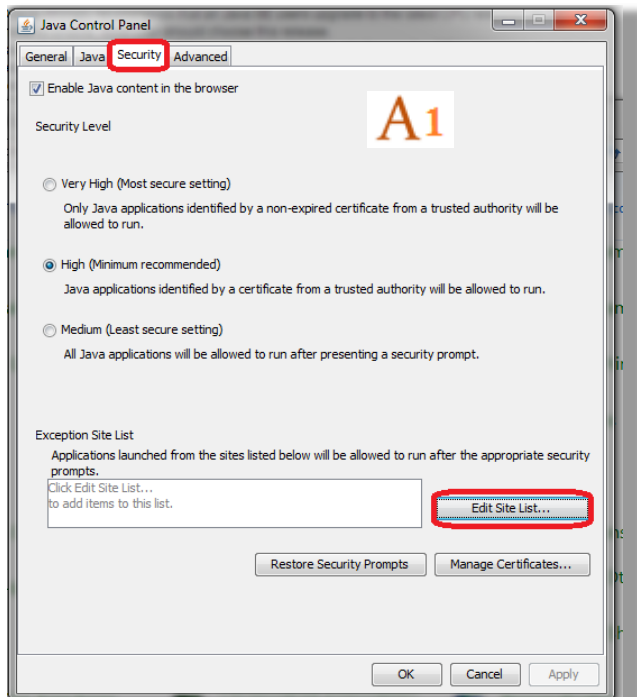
5 Use the EIDA Card Reader to fetch data from the Emirates ID

a. Go to "Trusted Agent" login page, or by clicking on the following link:
https://www.rta.ae/wpsv5/wps/portal/rta/ae/about-rta/rtadrivers-vehiclesportal/!ut/p/z1/04_iUlDg4tKPAFJABpSA0fpReYllmemJJZn5eYk5-hH6kVFm8X4GBibuBiaGPu7Gnq4GjqF-xiGh7mHuhoYm-l76UfgVFGQHKgIA0dtr5g!!/

b. Log into the Trusted Agent Portal by using your credentials

c. Connect your card reader into your PC and put the EID card.

d. You will get the following Security Warning, click on *"Do not show this again for this app and web site"* and then press on "Allow"
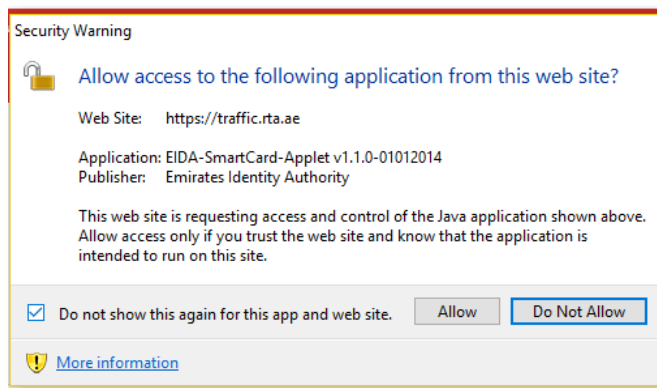
e. You can now start using the EIDA Card Reader on the portal to get the applicant Data

6 Challenges and how to fix them

a. We have to call initialize applet whenever we need to read EID card.

b. There are necessary configuration files that must be downloaded from webserver whenever the Eid applet is initialized.

c. The new emirates ID card has a lot of mandatory missing elements. So, we have to get them through ICA webservice integration every time we read the EID card.