

# Java setup for Digital Signature at ICEGATE

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## General information:

### Minimum Software requirements

- Java 1.6 or higher version (latest version recommended)
- Administrative rights for local system

*Note: Do not use multiple versions of Java in the same system (x86 and 64 bit version)*

### Supported Browser

- Internet Explorer

*Note: Edge browser not supported.*

## Know Issue

### Java not loaded into browser

- Install Java 1.6 or higher
- Allow java to run in your browser
- Configure java setting to support Digital Signature Application.

### PKI component not initialized

- Add [www.icegate.gov.in](http://www.icegate.gov.in) into compatibility view setting
- Add ncode.in into compatibility view setting

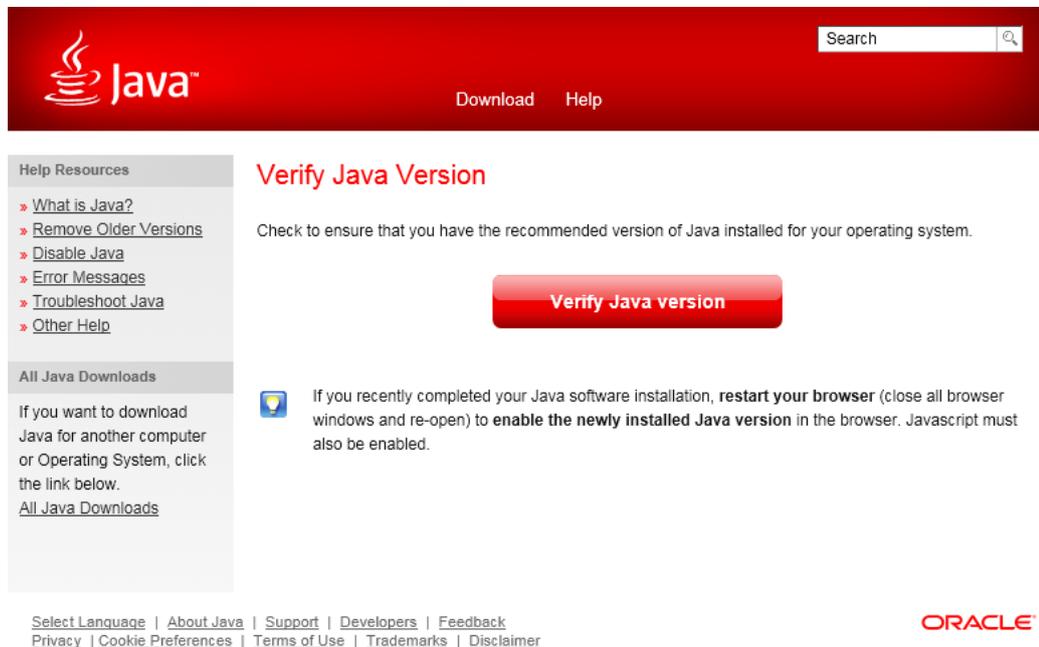
### Application Blocked by Java Security

- Add <https://www.icegate.gov.in/> into exception site list of Java security tab in
- Import ICEGATE website certificate into trusted setting of Java setting in control panel

## Loading Java into your browser

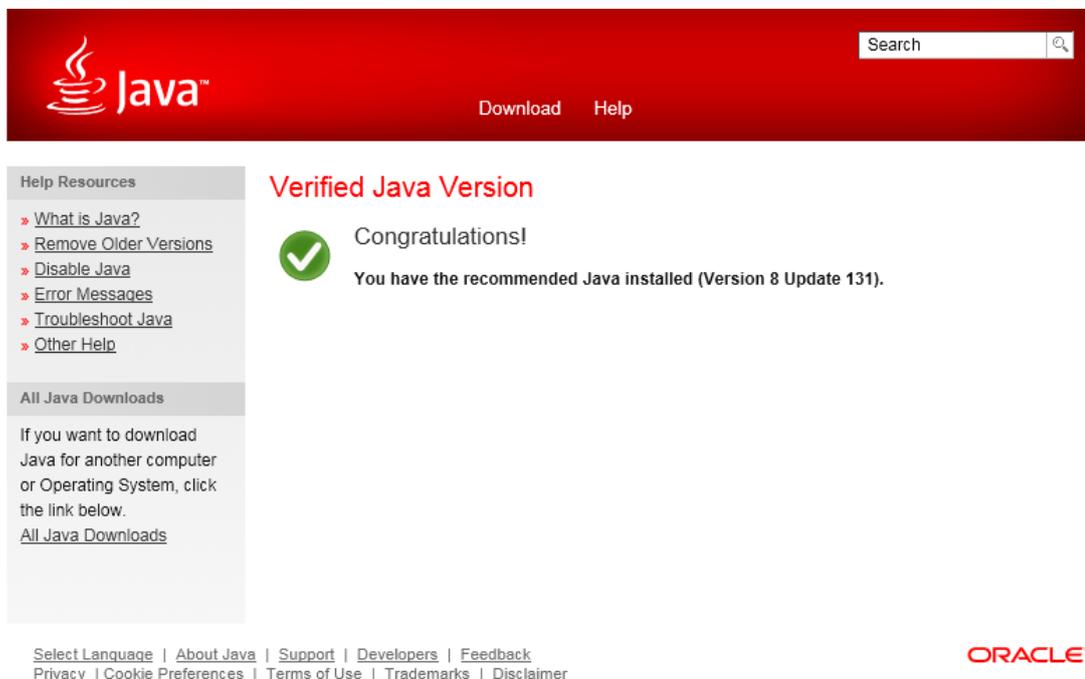
### Install java 1.6 or higher

- Open internet explorer and enter <https://www.java.com/en/download/> in address bar.
- Download the setup and run, once the installation is complete a verify link will open in same browser.



The screenshot shows the Java website's 'Verify Java Version' page. The header features the Java logo, a search bar, and 'Download' and 'Help' links. A sidebar on the left contains 'Help Resources' (What is Java?, Remove Older Versions, Disable Java, Error Messages, Troubleshoot Java, Other Help) and 'All Java Downloads' (instructions on how to download Java for another computer or OS, with a link to 'All Java Downloads'). The main content area is titled 'Verify Java Version' and includes the text: 'Check to ensure that you have the recommended version of Java installed for your operating system.' Below this is a prominent red button labeled 'Verify Java version'. A warning icon and text state: 'If you recently completed your Java software installation, restart your browser (close all browser windows and re-open) to enable the newly installed Java version in the browser. Javascript must also be enabled.' The footer contains links for 'Select Language', 'About Java', 'Support', 'Developers', 'Feedback', 'Privacy', 'Cookie Preferences', 'Terms of Use', 'Trademarks', and 'Disclaimer', along with the ORACLE logo.

- Click on “Verify Java Version” and allow java to run, once the verification is complete browser will display successful page.

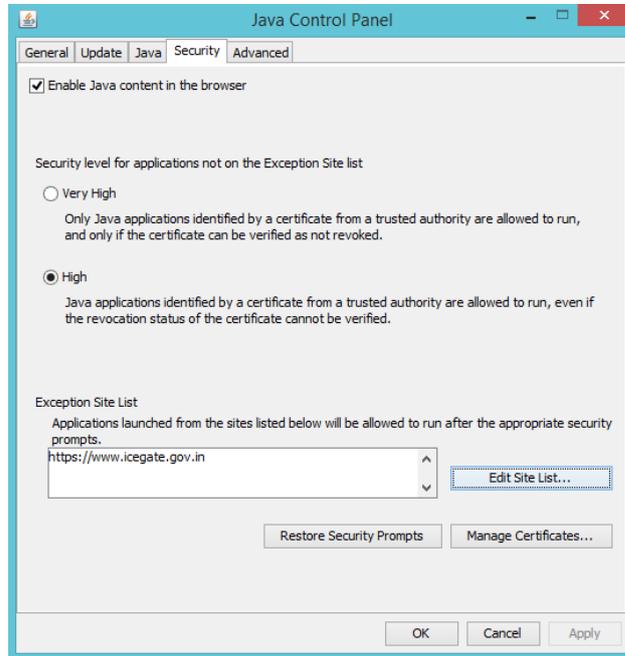


The screenshot shows the Java website's 'Verified Java Version' page. The header is identical to the previous screenshot. The sidebar is also identical. The main content area is titled 'Verified Java Version' and features a green checkmark icon followed by the text: 'Congratulations! You have the recommended Java installed (Version 8 Update 131).' The footer is identical to the previous screenshot.

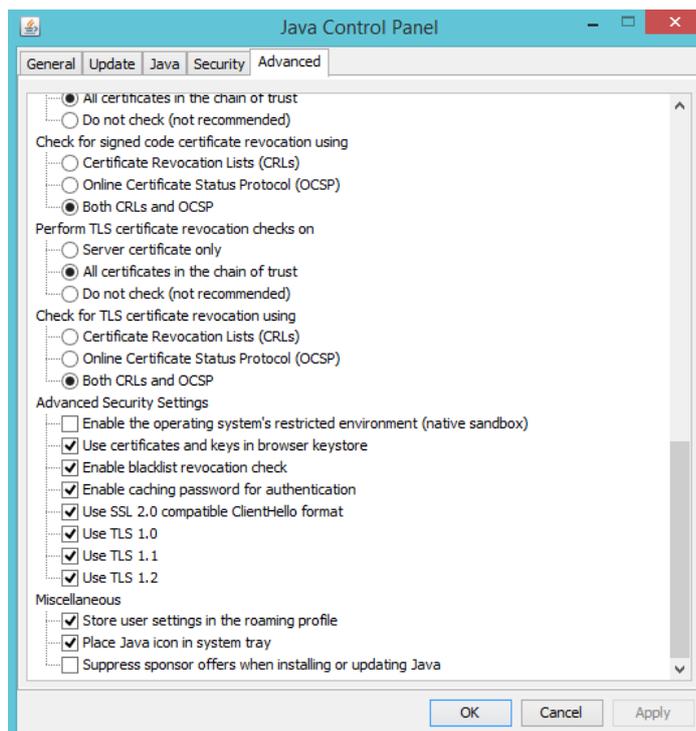
- Now you have successfully loaded java into your browser, if you are not able to successful verification message please uninstall java and try again.

## Configure java setting to support Digital Signature Application

- In your local machine, go to Control Panel >> Java >> Security Tab
  - Click on “Edit Site List” button.
  - In the new window add <https://www.icegate.gov.in> and click on Add.
  - Once successfully added, the URL will be displayed previous page.



- In your local machine, go to Control Panel >> Java >> Advance Tab
  - Check the box for “Use SSL 2.0 compatible ClientHello format”.
  - Click on “Apply” then “OK” and restart.

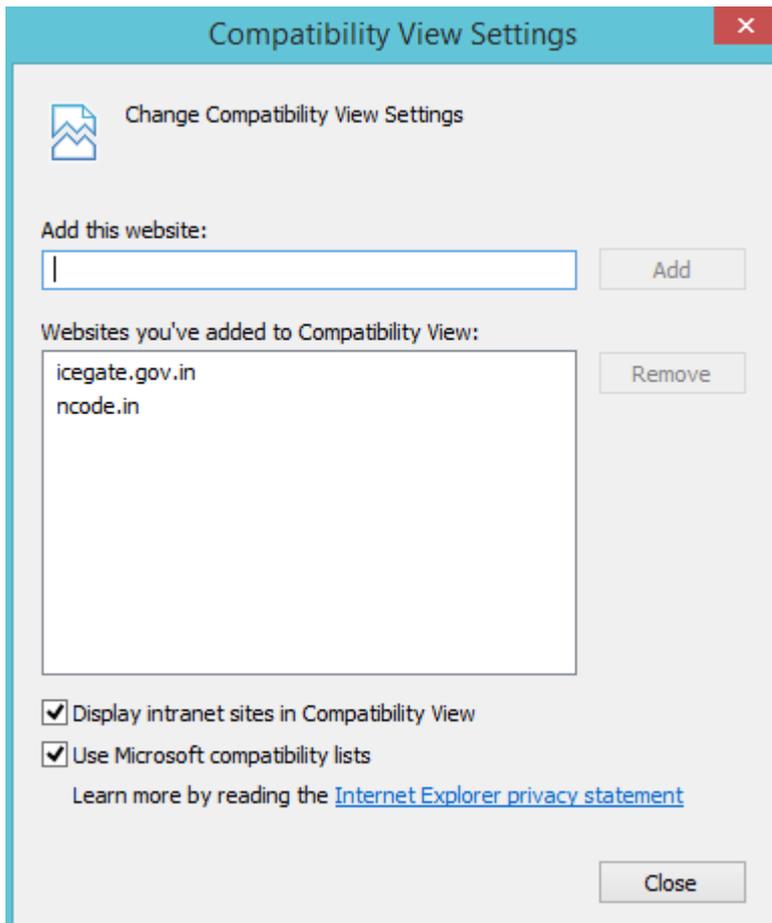


## PKI Component not initialized

### Setup browser compatibility view setting

*Note: All the above setup should be completed before performing these steps.*

- Open Internet Explorer
- Go to tools >> Compatibility view setting
- Add [www.icegate.gov.in](http://www.icegate.gov.in)
- Add ncode.in

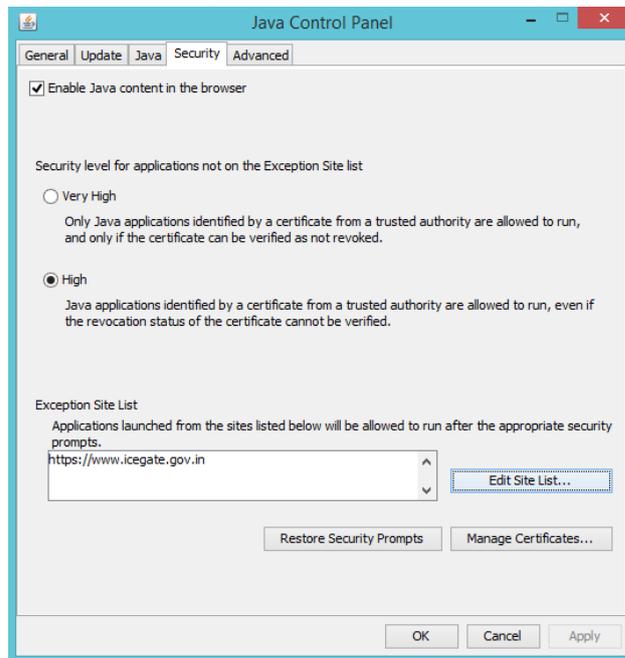


*Note: Only Internet explorer is supported.*

## Application Blocked by Java Security

### Add ICEGATE website into exception site of Java security setting.

- In your local machine, go to Control Panel >> Java >> Security Tab
  - Click on “Edit Site List” button.
  - In the new window add <https://www.icegate.gov.in> and click on Add.
  - Once successfully added, the URL will be displayed previous page.



**Note: Above step should solve the issue, if the issue still persist you will need to import the certificate into trusted list in your Java setting. Steps are mentioned below.**

### Import ICEGATE website certificate into trusted certificate of Java setting

- Download the certificate of ICEGATE website or the URL (<https://www.icegate.gov.in/UserReg/>)
  - Chrome browser: click on secure icon at address bar, then click on valid button below certificate. A new window will appear, click on Details tab, then click on copy to file at bottom of the page. Another new window will appear and give it a name and save the file.
  - Firefox Browser: Click on lock icon in address bar, click on arrow icon, and click on more information. A new window will appear, go to security tab then click on view certificate button. Another new window will appear and click on Export button at bottom left. Download file into your local machine.
- Go to Java setting page in control panel and click on security tab. Inside security tab click on manage certificate. Select trusted site at drop down and click on import button. A file selection page will appear and select the file you have saved in previous step.

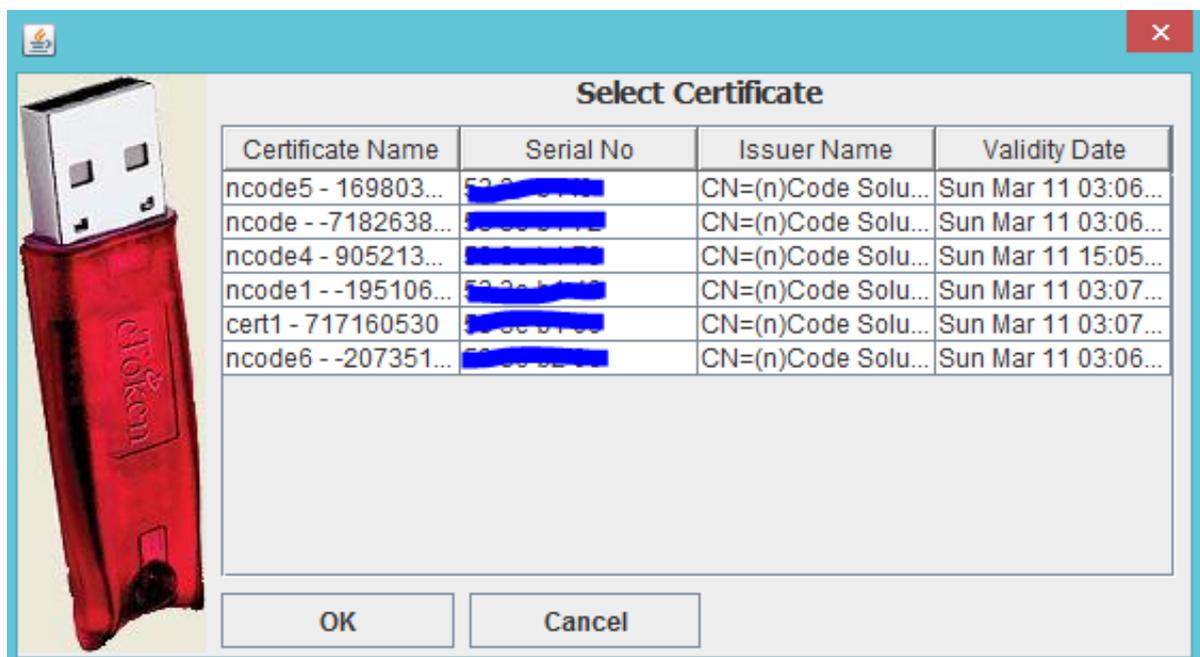
## Java Status at ICEGATE

### Java Initialization status for Digital Signature Update

- Go to [www.icegate.gov.in/iceLogin](http://www.icegate.gov.in/iceLogin) >> View Profile >> Digital Signature update
- Wait for initialized icon to appear at top right of the page as shown in image below



- Once initialized icon appears, click on “Click here to upload DS”.
- A new window will appear and select your digital signature.



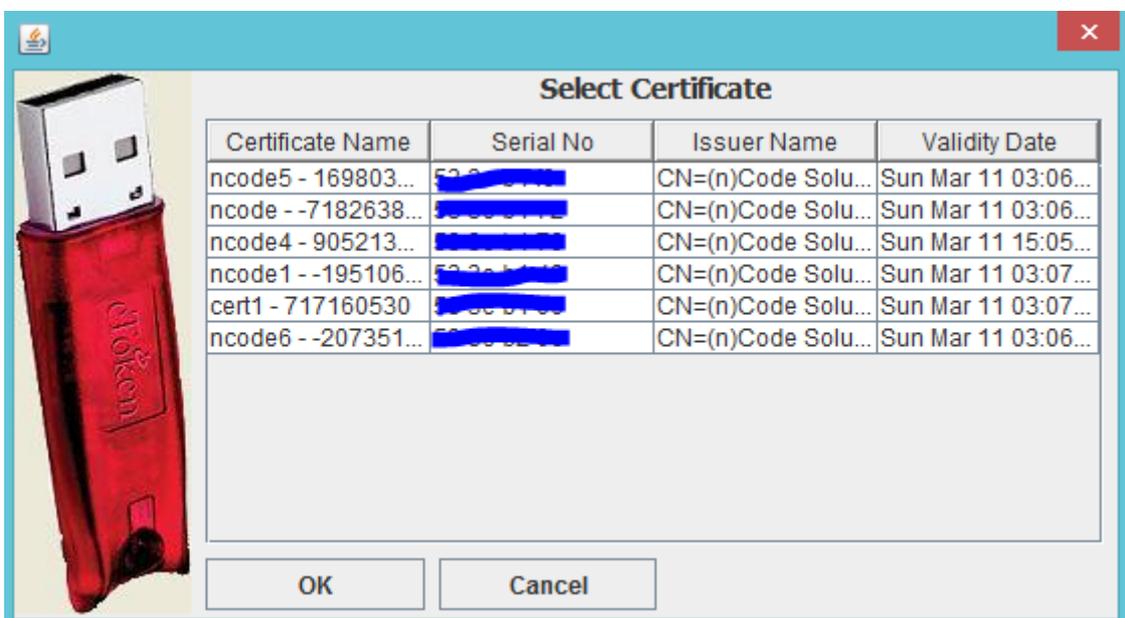
- DSC will now verify, and once verification is successful the serial number of DSC will appear in the textbox.
- Click on submit and success or error message will be displayed accordingly.

## Java Initialization status for user registration

- For old user, login to [www.icegate.gov.in/iceLogin](http://www.icegate.gov.in/iceLogin) and click on re-register
- For new user, go to [www.icegate.gov.in/UserReg](http://www.icegate.gov.in/UserReg)
- Select your desired user type and provide the required details.
- Once personal details page is displayed wait for verification icon to appear.



- Now enter your personal details and click on “Click here to upload DS”.
- Select your digital signature from the new window and click on “OK”.



- Once successfully verified, the serial number will appear in text box.
- Check the box for agreeing to terms and condition and then click on submit button.
- You have completed the registration process and you will receive OTP on your email ID for final submission.