

Getting started with NRV

1. Browser compatibility

The NRV website works correctly in the following (current at the moment of preparing this guide) versions of browsers:

- Mozilla Firefox 50.1.0 (32-bit),
- Mozilla Firefox ESR 45.6.0 (32-bit),
- Microsoft Internet Explorer 11 (32/64-bit),
- Apple Safari 10.0.2,
- Pale Moon 27.0.3 (32/64-bit).

Microsoft Edge and the modern versions of Google Chrome and Opera are incompatible with NRV. Older versions of Internet Explorer are not supported by Microsoft, therefore they are not tested for compatibility with NRV. Other browsers are not tested for compatibility with NRV due to low usage statistics. In general, based on our experience, we recommend to use Mozilla Firefox ESR (32-bit).

2. Installation of Java and enabling applets

At the moment, most of the sections of the NRV web knowledge base use Java to provide interactive user interface and display information. Java may be downloaded at <https://java.com/en/download/>. Depending on the version of the browser, 32- or 64-bit version of Java must be installed. After installation go to the *Java Control Panel*, open the *Security* tab, check *Enable java content in the browser*, and click *OK* to apply settings (Fig. 1).

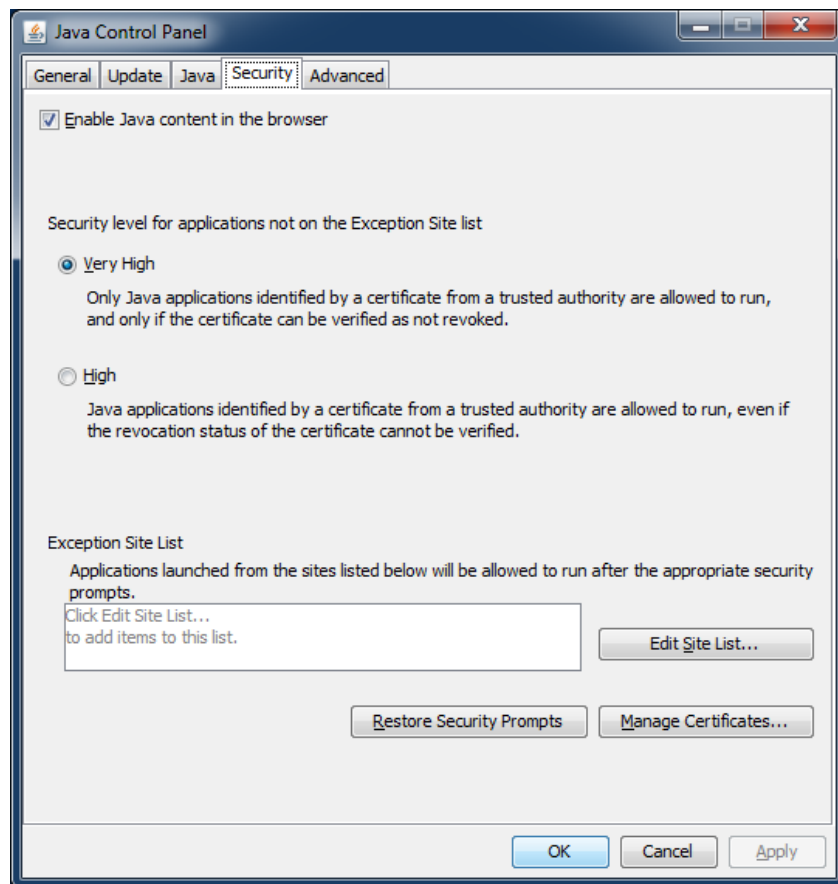


Fig. 1. Java Control Panel with the correct settings (Java 8 under Microsoft Windows 7).

On the first run in a particular browser a security warning will appear. Check *Do not show this again for apps from the publisher and location above* and click the *Run* button (Fig. 2). A Java applet will start. The same warning may also appear periodically later, often after the update of the browser or Java.



Fig. 2. Security warning.

Please note that the actual look of the *Java Control Panel* and security warnings may vary.

More detailed and up-to-date information on Java installation, browser support, necessary settings, troubleshooting, *etc.* may be found on the Java website, in particular

- How to enable Java in a web browser?
https://java.com/en/download/help/enable_browser.xml
- How to enable Java through the Control Panel?
https://java.com/en/download/help/enable_panel.xml
- Where is the Java Control Panel on Windows?
https://java.com/en/download/help/win_controlpanel.xml
- Where is the Java Control Panel on Mac?
https://java.com/en/download/help/mac_controlpanel.xml

3. JavaScript

JavaScript must be enabled in order to work with the NRV website. JavaScript is enabled by default.

More detailed information on how to enable JavaScript in a browser may be found, *e.g.*, at

<http://www.enable-javascript.com/en/>

4. Pop-up windows

It is recommended to allow pop-up windows from the NRV website to ensure correct saving of data files, displaying of help files and model descriptions, *etc.* The necessary steps to allow pop-up windows vary depending on the browser used. Information on how to do it may be found on the websites of particular browsers. Note also that some ad-blocking or antivirus software may block pop-up windows.

5. Cookies

It is recommended to enable cookies for the NRV website to ensure automatic loading of the model parameters you used previously, which will make the work with NRV much more comfortable. Cookies are enabled by default. The necessary steps for enabling cookies are also browser-specific, therefore, it is better to visit the websites of particular browsers for details on how to do it.

6. PDF viewer

It is recommended to have a PDF viewer (*e.g.*, Adobe Reader) installed in your operating system for viewing help files and model descriptions. Note that some browsers have a built-in PDF viewer (*e.g.*, Mozilla Firefox).

7. Support

In case of any problems or questions regarding the work of the website or using the available models you may also directly contact the leading NRV developers by E-mail:

- Dr. Alexander V. Karpov (karpov@jinr.ru),
- Dr. Andrey S. Denikin (denikin@jinr.ru).