

Network Simulation Tool for Project 25: Inter-RF Subsystem Interface (ISSI) Server Installation Guide for Windows

September 30, 2011
GUI version 1.0.0

Windows Server

Obtain ISSI Network Simulator tool setup package available at http://www.nist.gov/itl/antd/emntg/ps_p25_tool.cfm.

Install the server by using one of the following two methods:

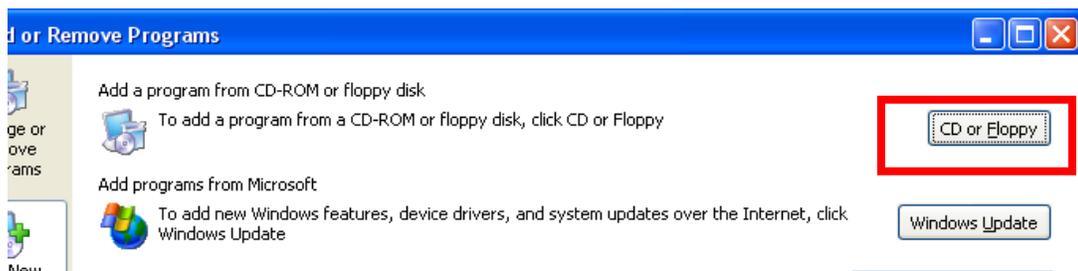
1. Using the 'Add or Remove Programs' from the Windows control panel window:



In this window, select 'Add New Programs'.



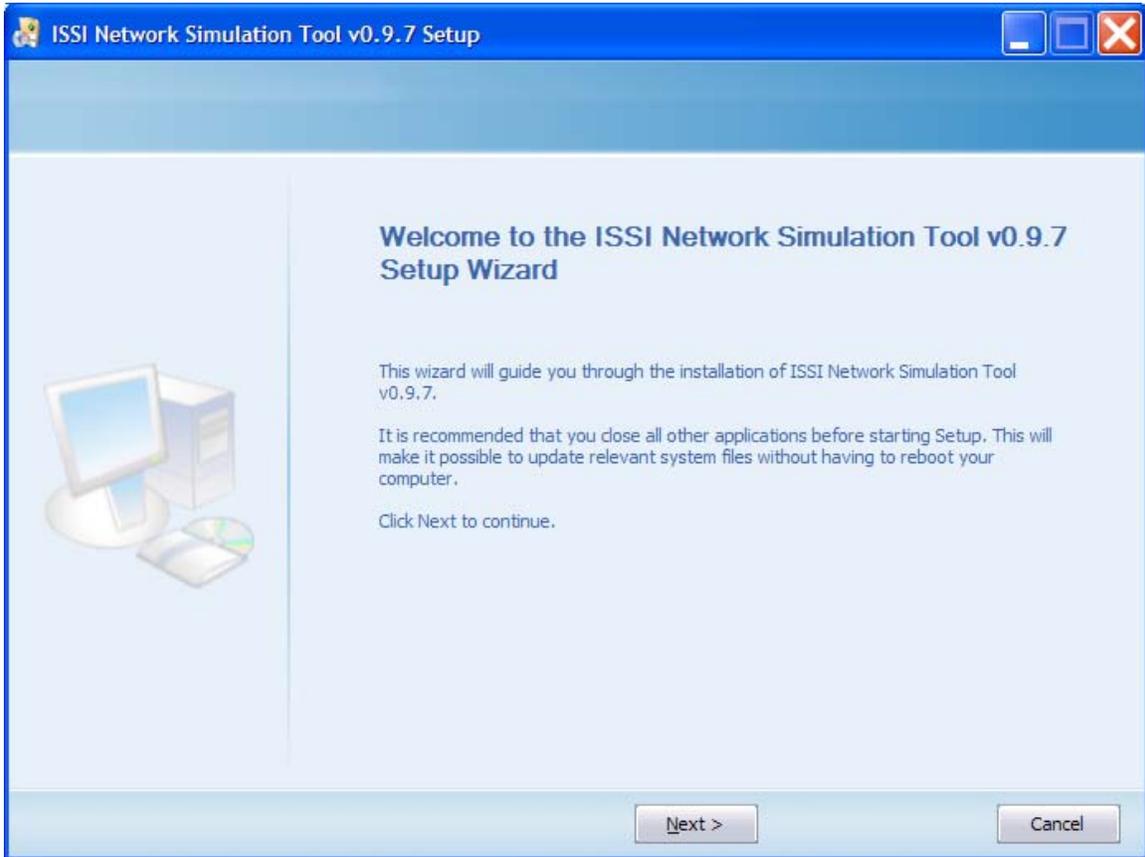
Next, select 'CD or Floppy' and follow the instructions. When prompted for the installation program, select the setup package.

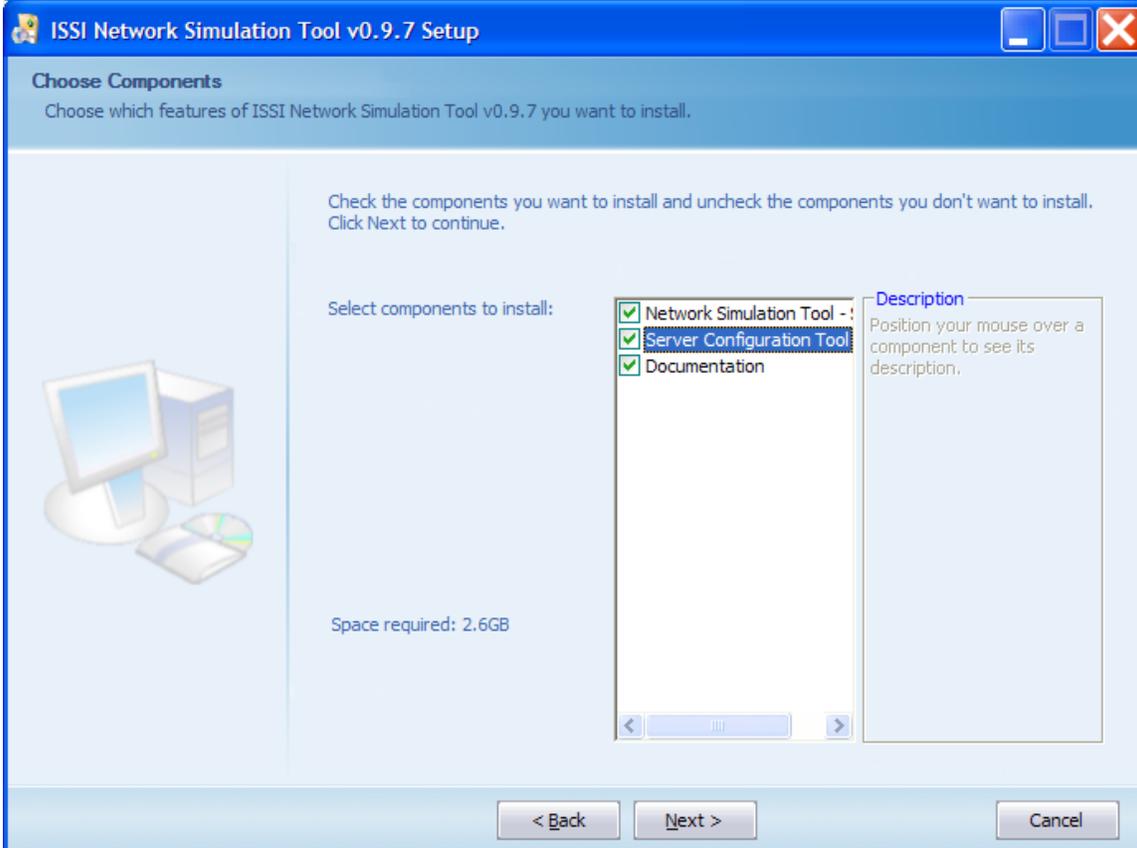
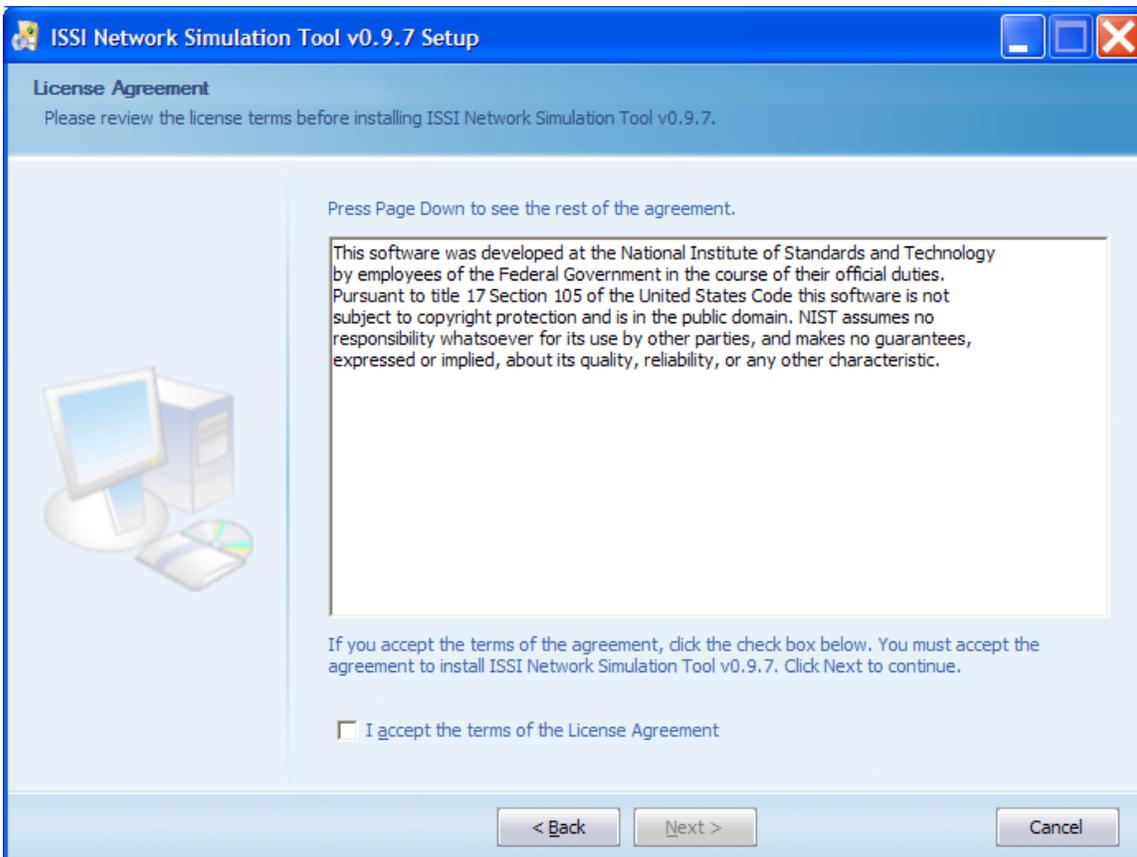


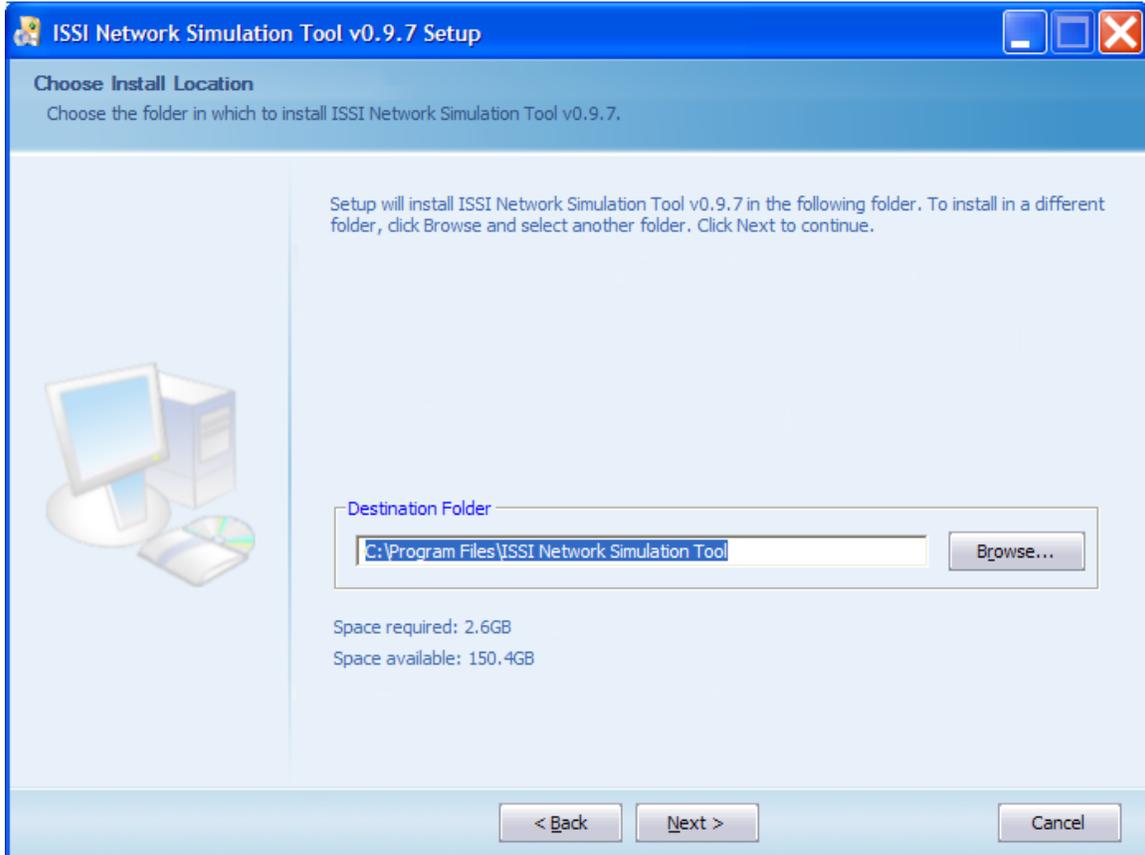
2. Double clicking the setup package:



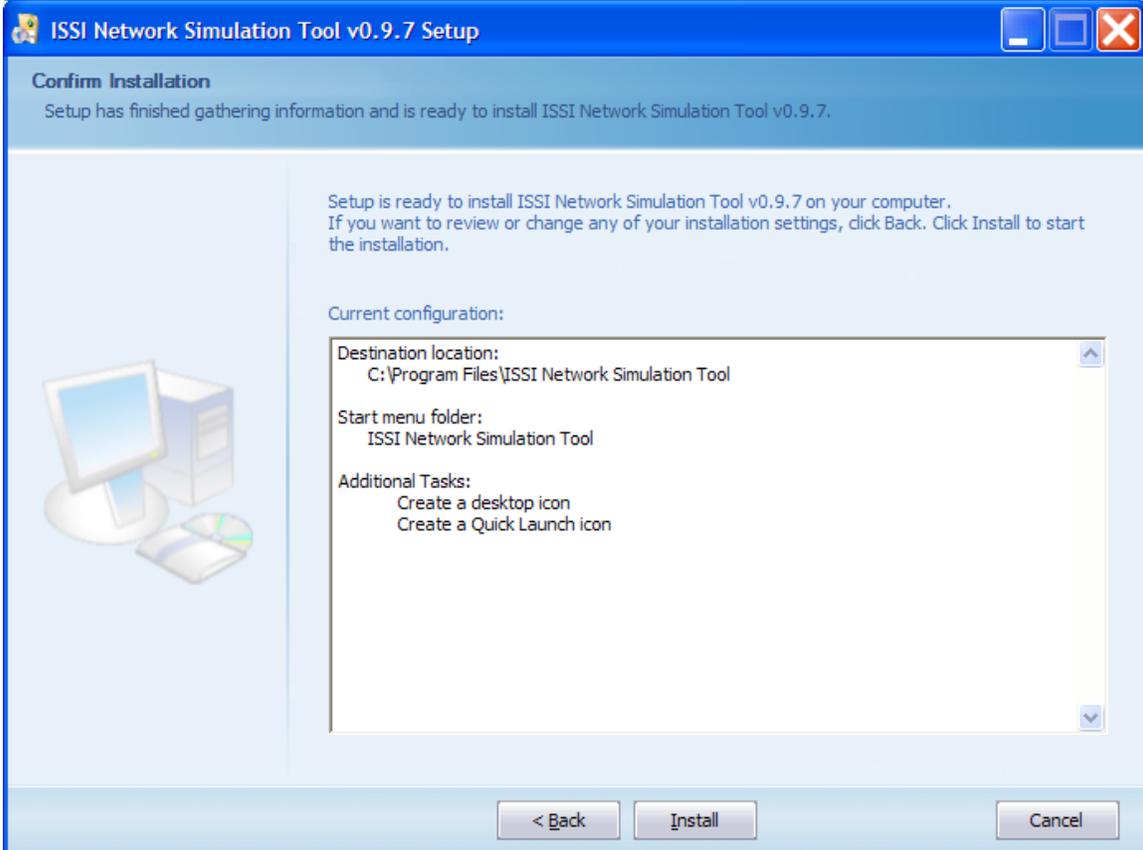
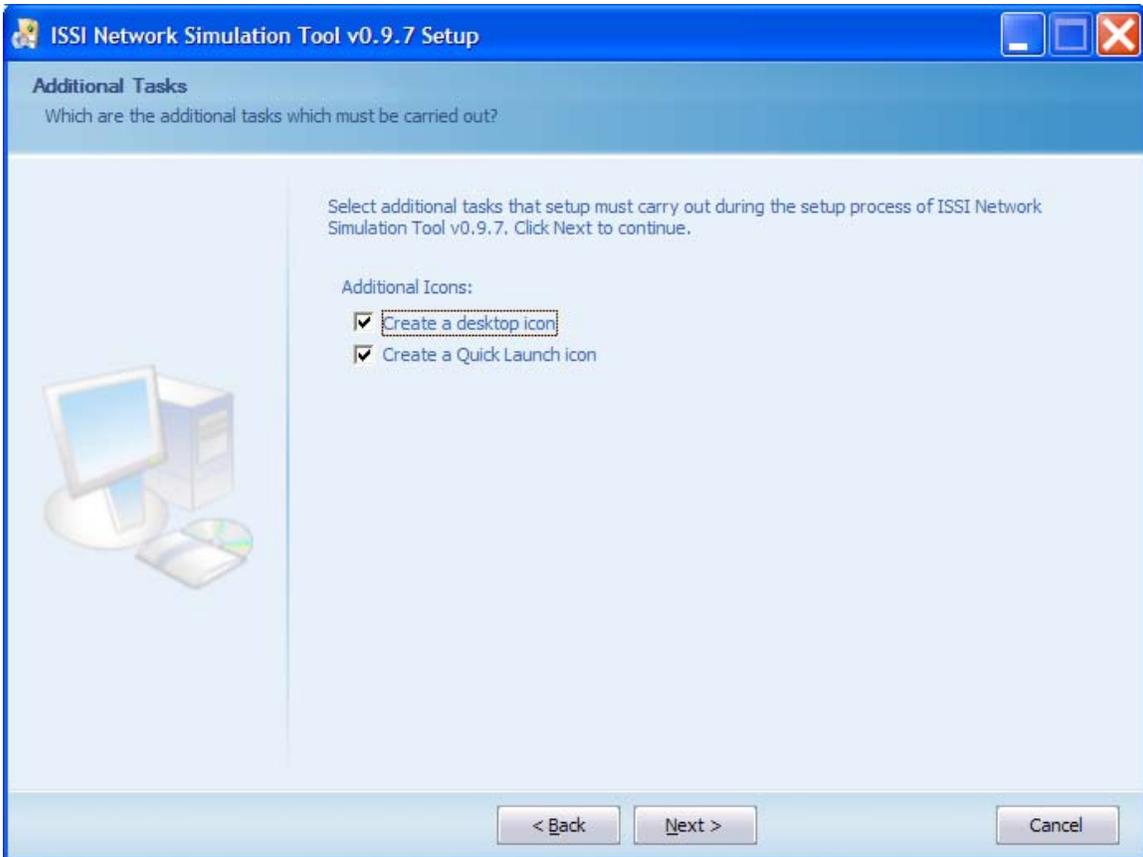
Follow the instructions of the setup package. **Note: Replace version 0.9.7 with current version being installed.**







Note: You will need to have write permission in the target installation directory to be able to install and run the tool.

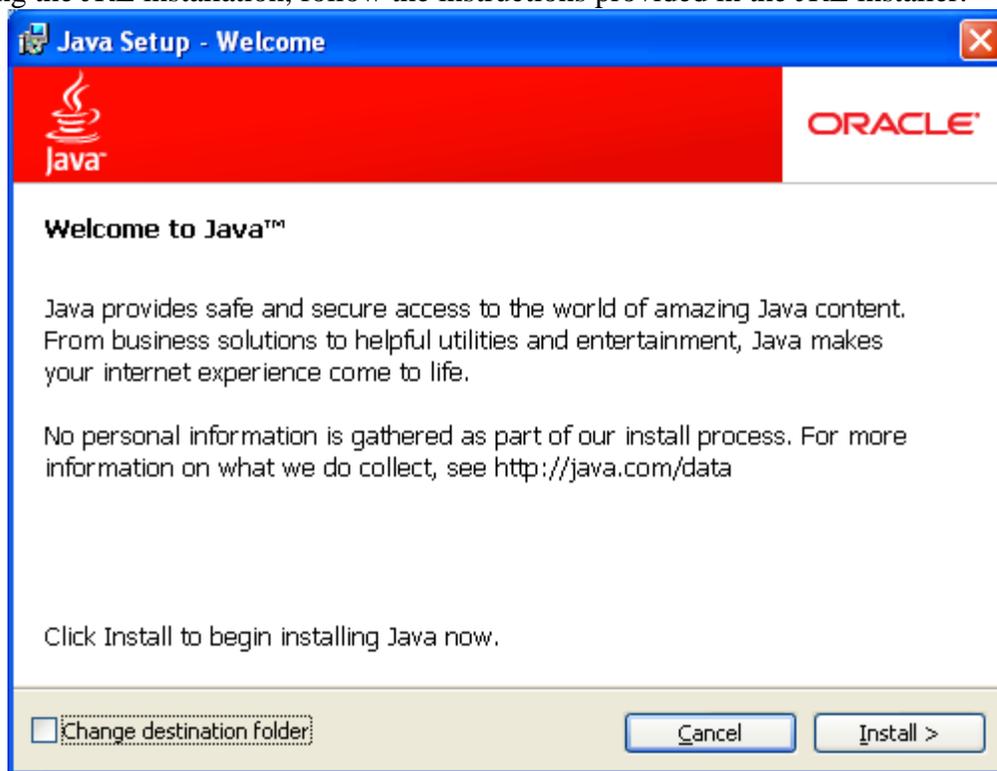


During the installation, the package checks the availability of

- an appropriate Java^{TM 1 2} Runtime Environment,
- Adobe® Reader®³,
- Qemu⁴ Manager

in the system. If they are not found, then the setup package automatically initiates the installation of the missing software. If you do not accept the installation of the JRE or Qemu Manager packages, then the ISSI Network Simulation Tool package will not be installed (i.e., not complete successfully). The installation of Adobe Reader may be cancelled, but the documentation may not be accessible.

During the JRE installation, follow the instructions provided in the JRE installer:

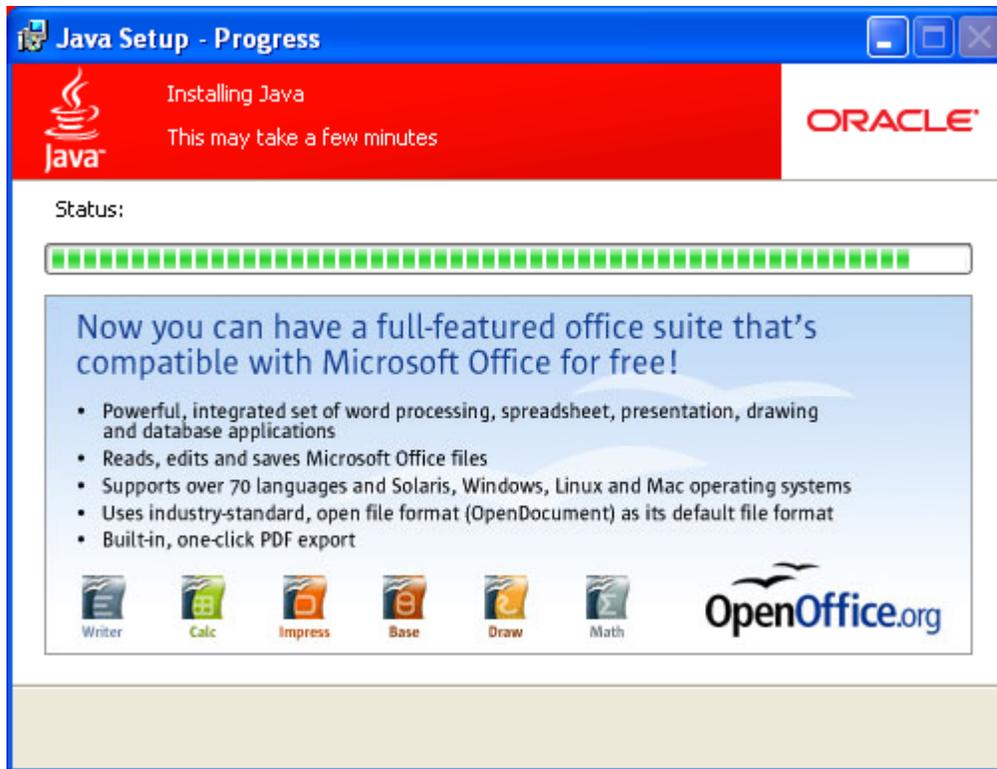


¹ Java is a registered trademark of Sun Microsystems, Inc. or its subsidiaries in the United States and other countries.

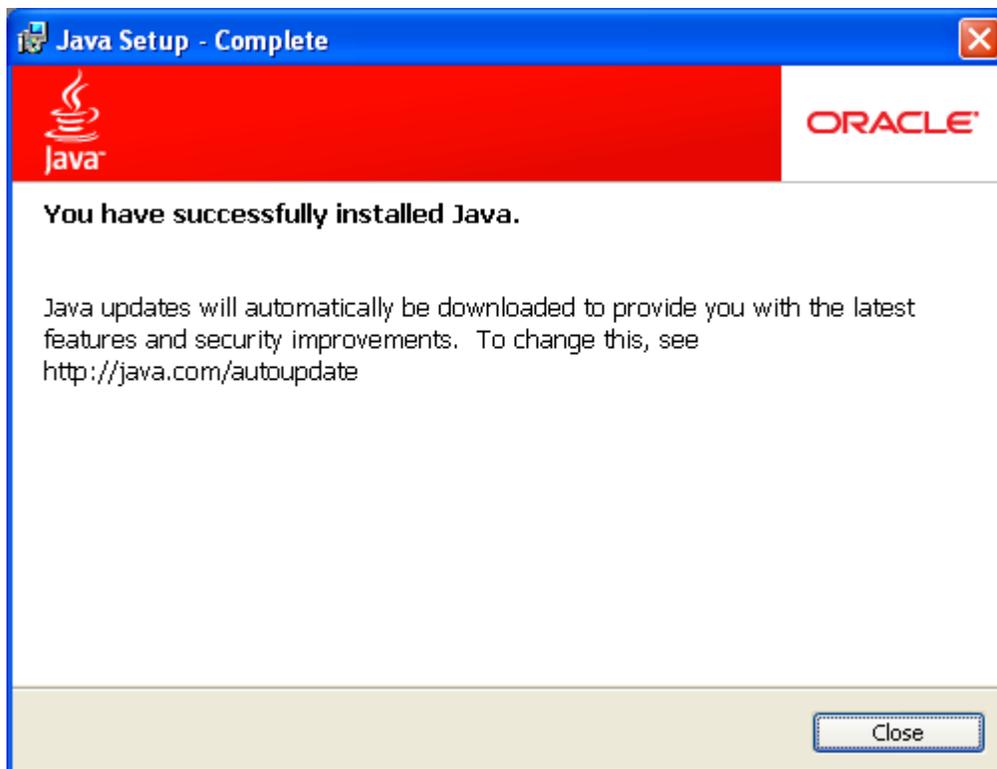
² Disclaimer: Any mention of commercial products is for information only; it does not imply recommendation or endorsement by the NIST.

³ Adobe and Reader are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

⁴ QEMU is a registered trademark of Fabrice Bellard.

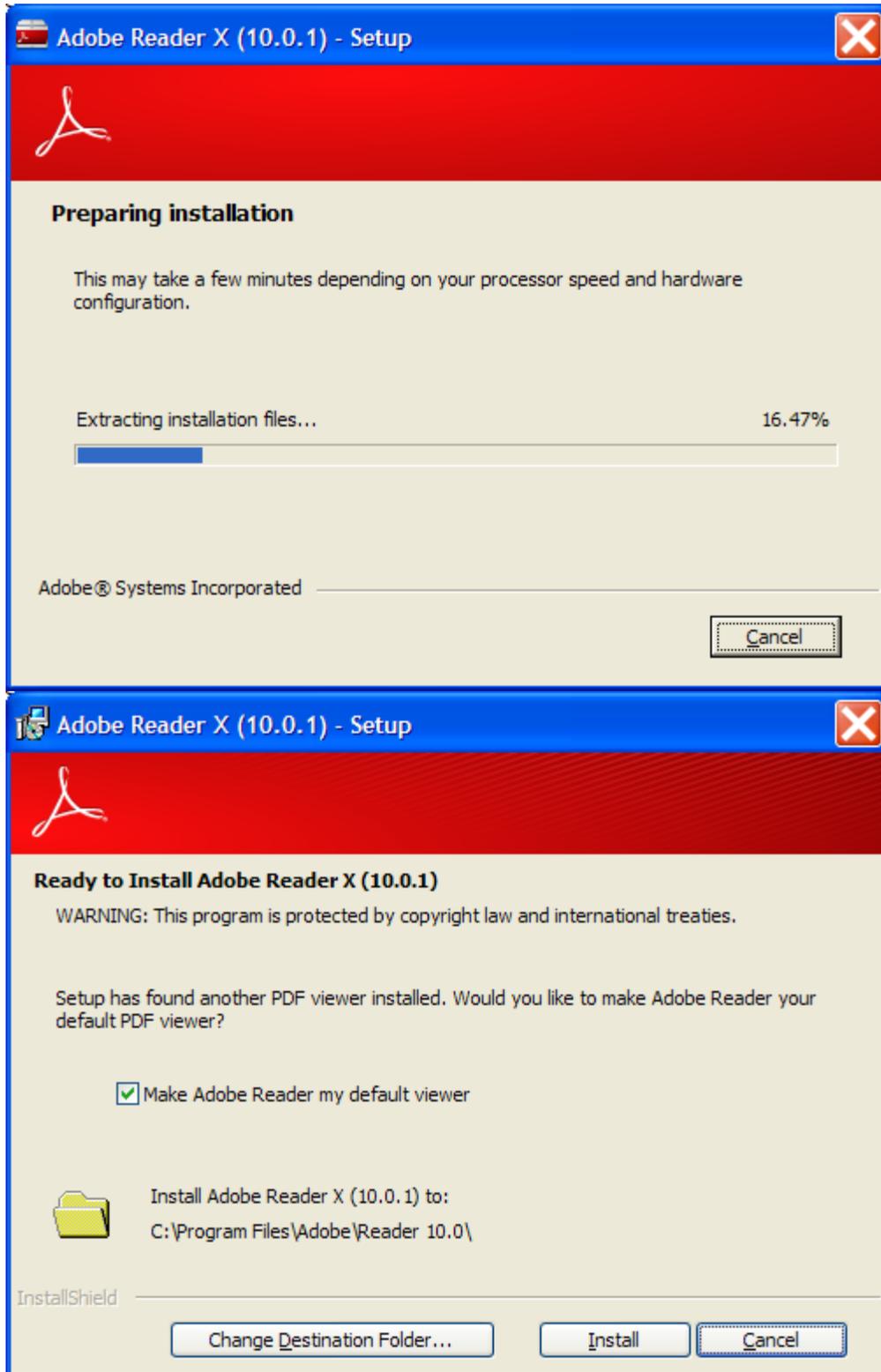


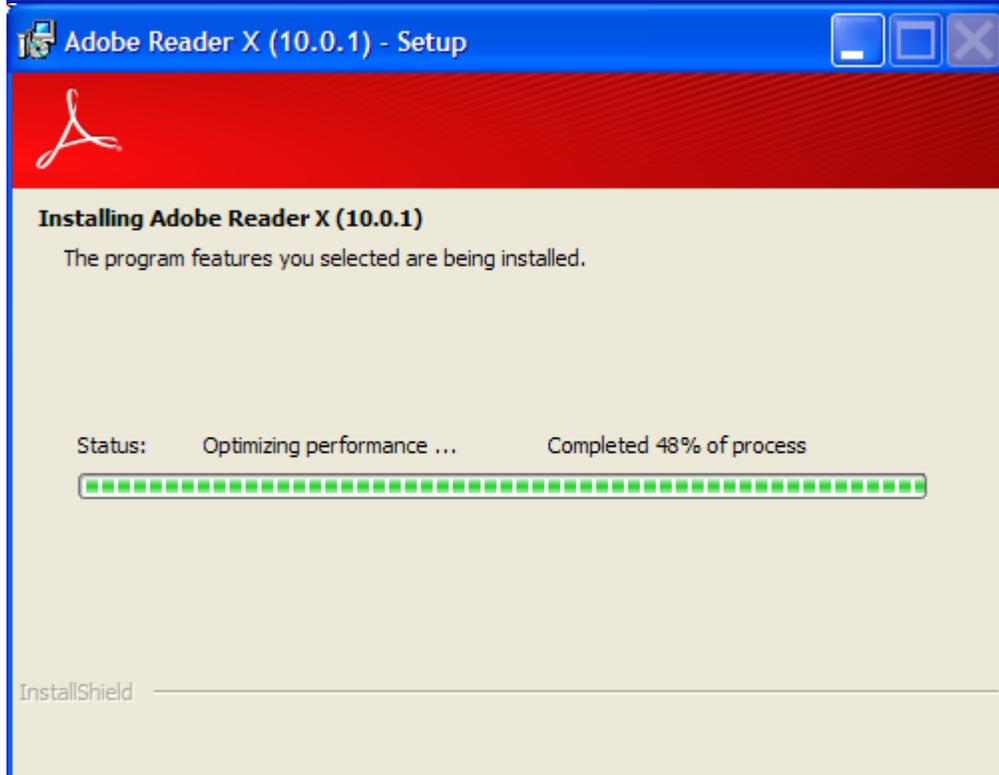
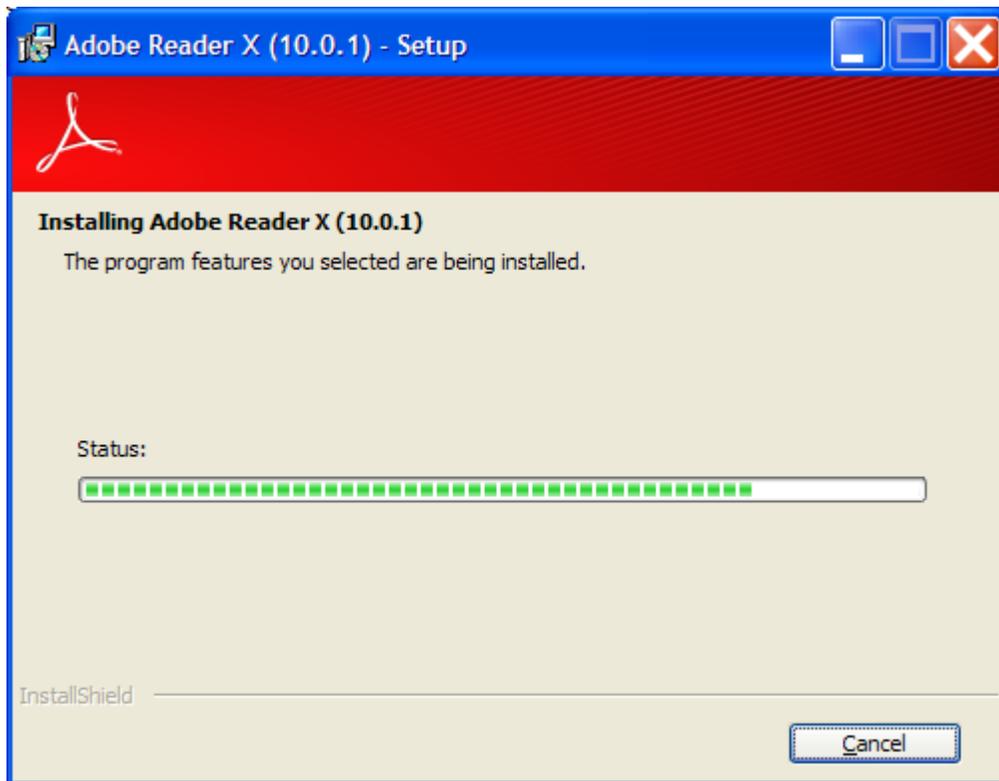
When this installation is over, the following screen will be shown:



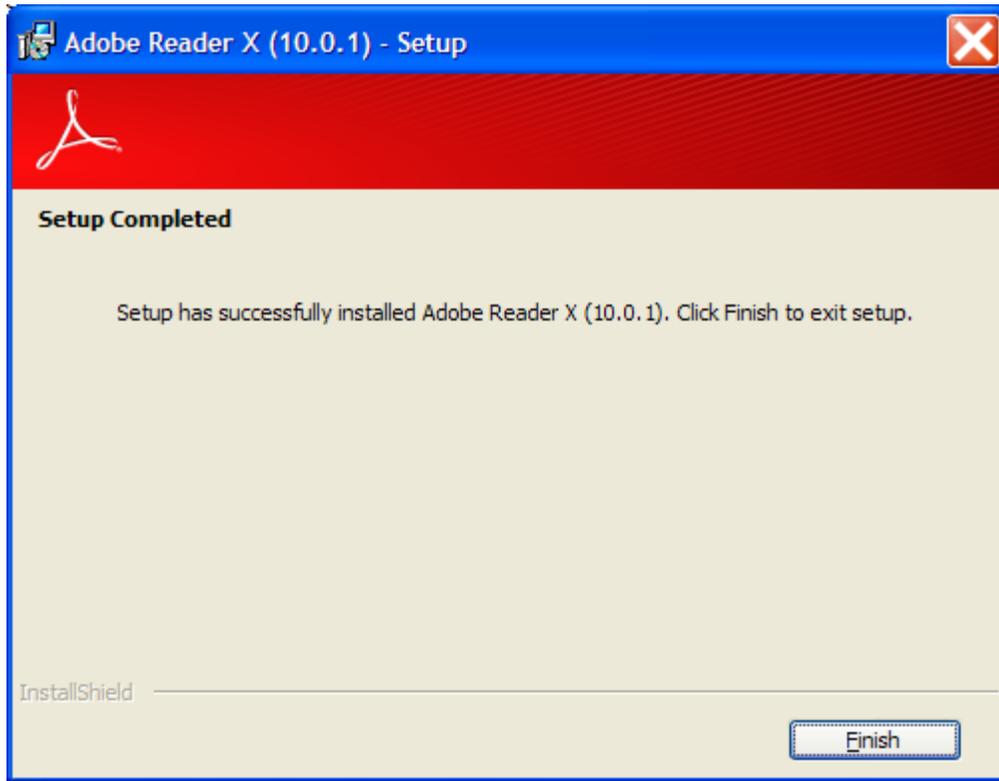
and the setup of the **ISSI Network Simulation Tool** will continue.

Similarly, the installation of Adobe Reader will be launched if needed:



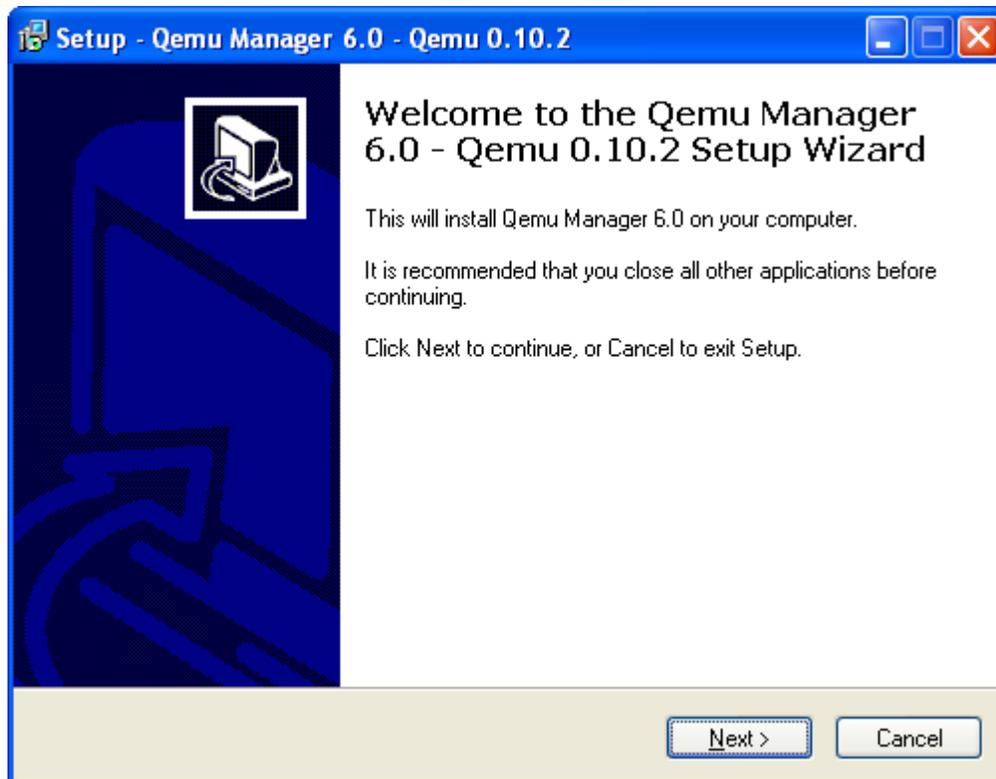


When this installation is over, the following screen will be shown:

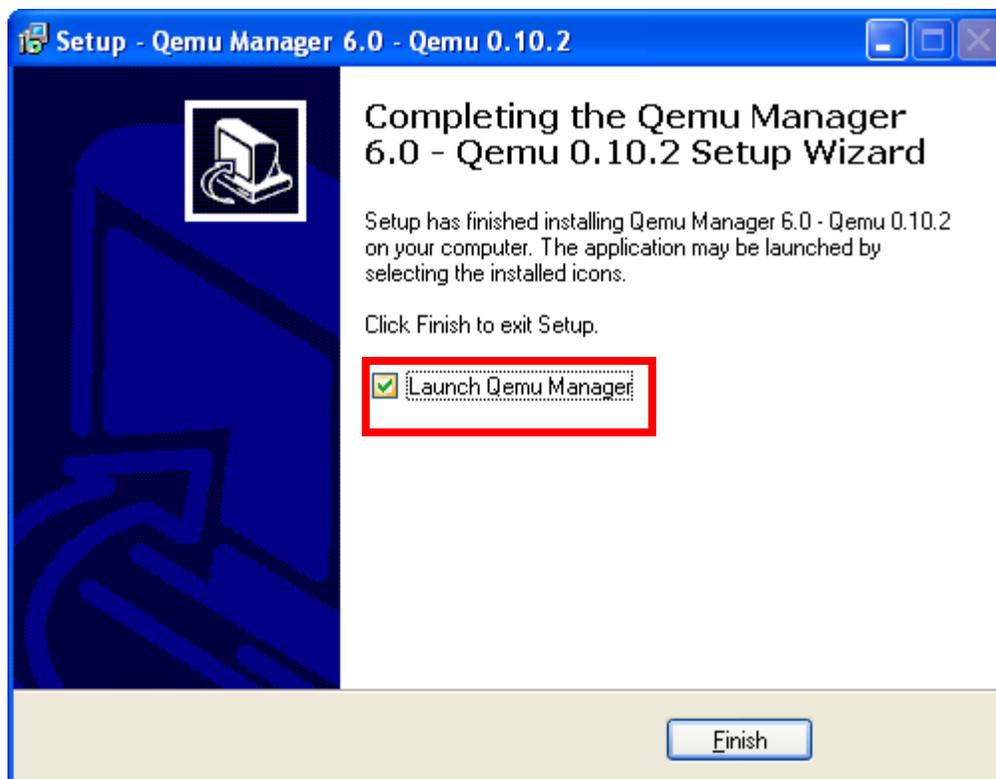


and the setup of the **ISSI Network Simulation Tool** will continue.

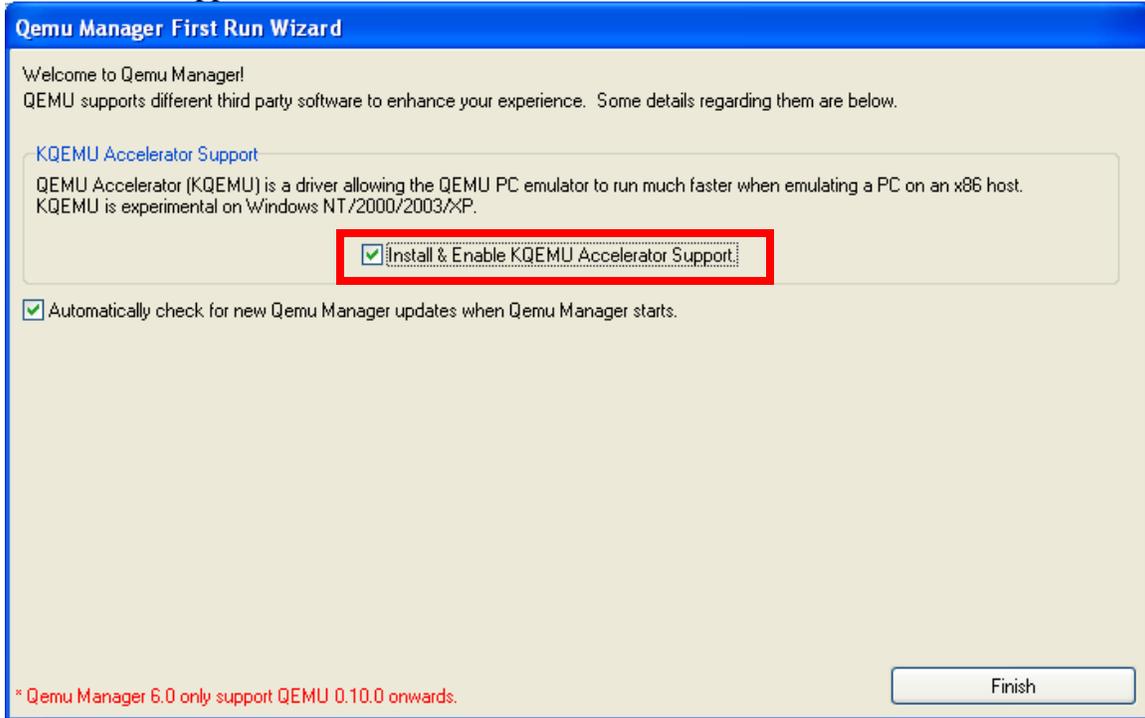
If needed, Qemu Manager will also be installed:



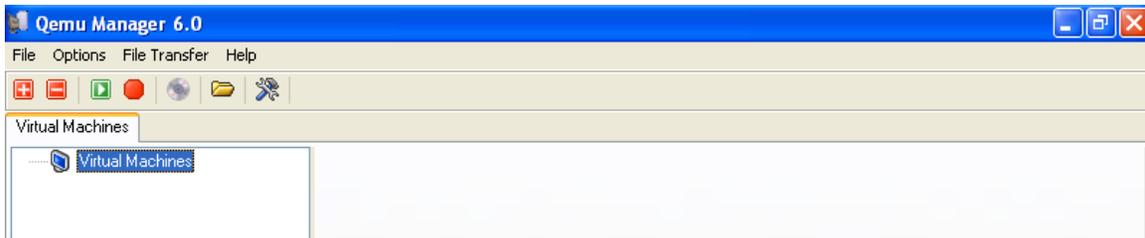
When the installation is over, it is **necessary to launch Qemu Manager**



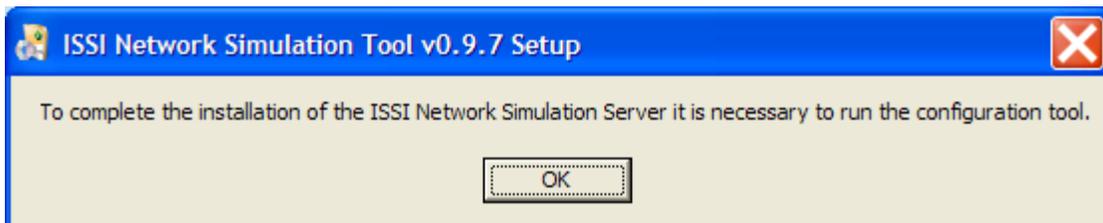
and in the configuration screen check the box that says 'Install & Enable KQEMU Accelerator Support':

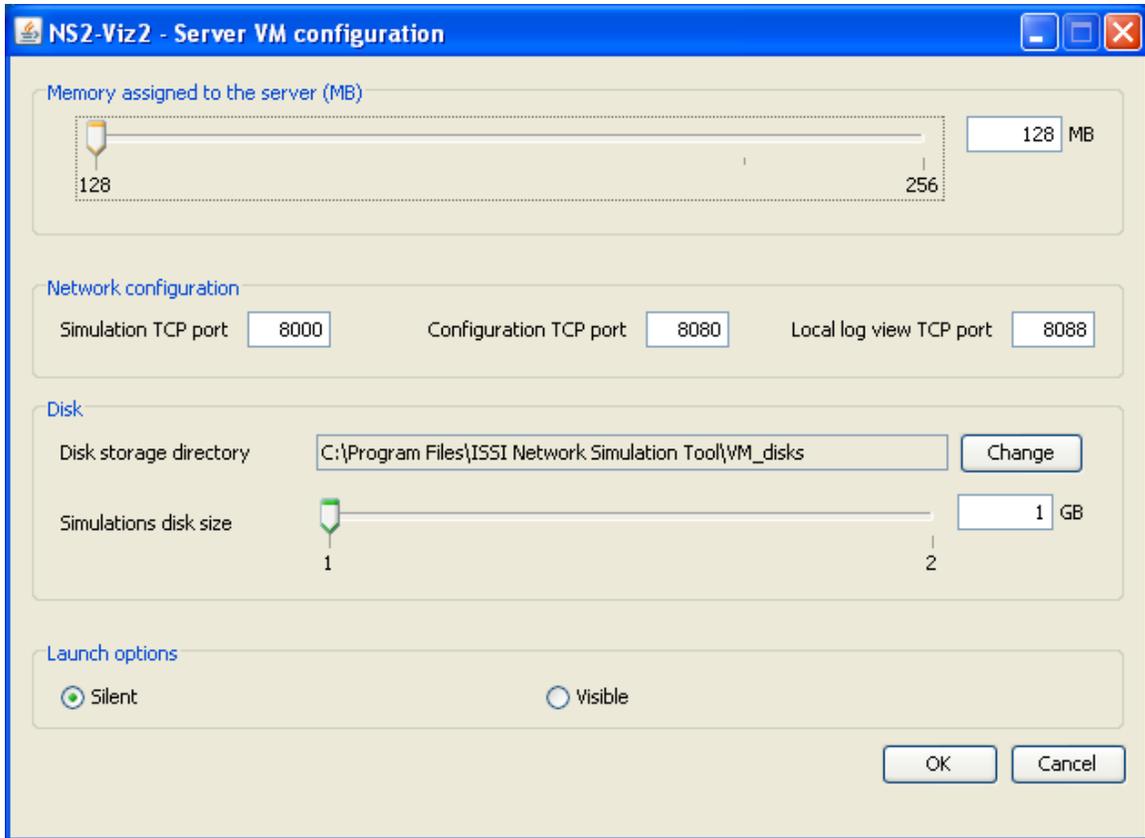


When the list of VMs is show, we can close Qemu Manager:

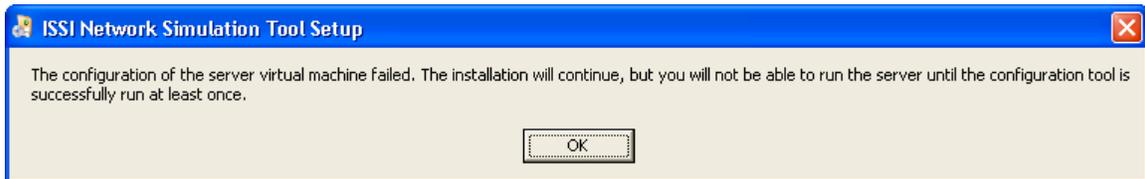


After that, the Virtual Machine configuration tool will be launched to configure the parameters for the server in windows:

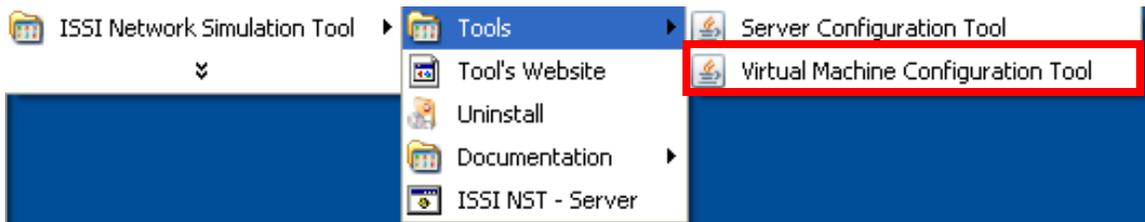


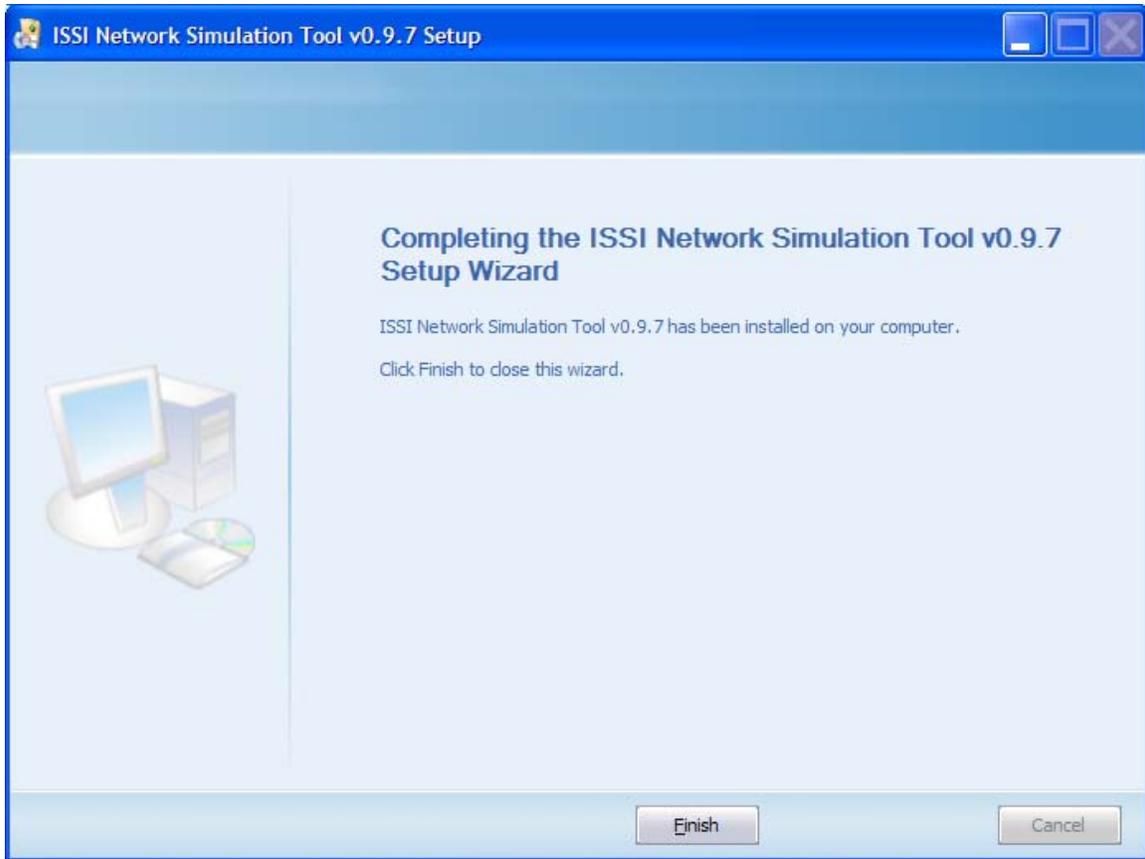


It is possible to cancel the configuration at this time, but it is necessary to run the tool at least once before the server can be used:

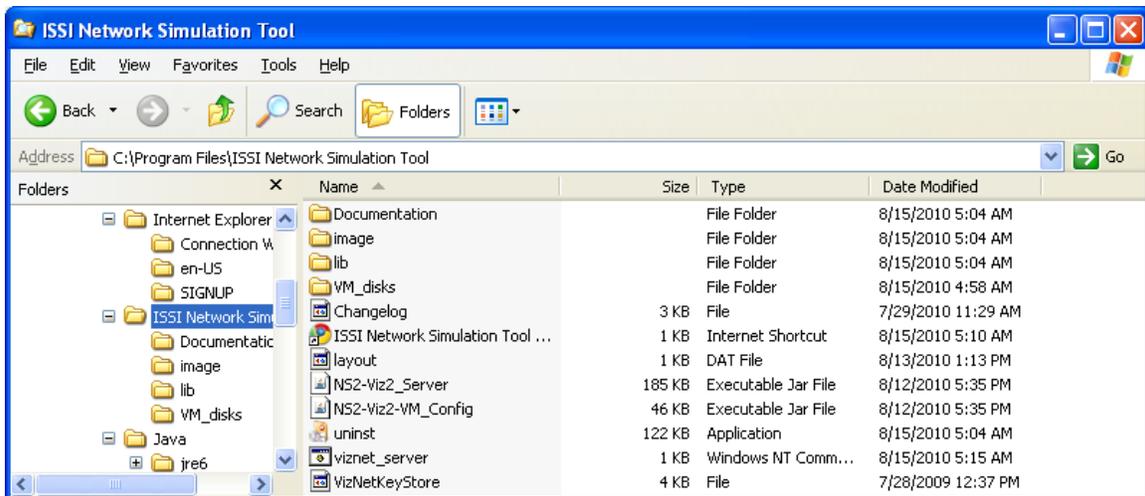


If needed, this configuration tool can be launched from the “ISSI Network Simulation Tool” menu, selecting “Tools” and then “Virtual Machine Configuration”





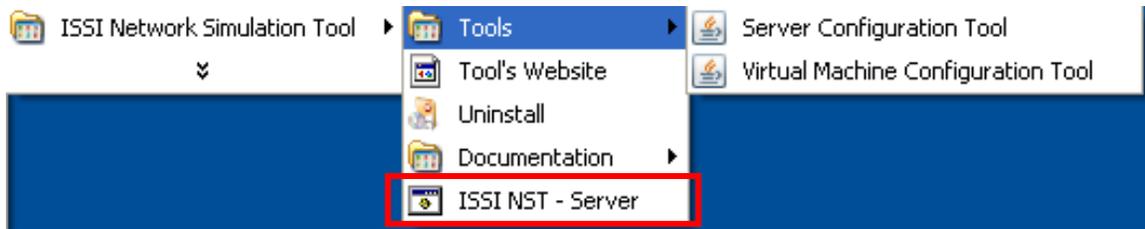
- When the installation is finished, the **viznet_server.cmd** file is located in **C:\Program Files\ISSI Network Simulation Tool** (or the target installation directory, if you changed this setting during the installation).



Additionally, a desktop shortcut to the tool has been created (if during the installation you did not uncheck its creation),



And an entry in the '**Programs**' menu called '**ISSI Network Simulation Tool**' contains a link to the application, a link to the tool's website and an uninstall icon.



To run the server:

- double click the desktop shortcut,
- open the '**ISSI Network Simulation Tool**' folder in the '**Programs**' menu and select '**ISSI NST – Server**'.