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# NOKIA

## **Nokia Mobile Internet Toolkit** Version 4.1

## **Installation Guide** February, 2004

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# Installing Nokia Mobile Internet Toolkit 4.1

This document describes what you need to know and do to install the Nokia Mobile Internet Toolkit 4.1 with the Nokia Update Manager 2.0.

## About NMIT and Update Manager

Nokia Mobile Internet Toolkit (NMIT) is a set of editors for creating various types of mobile Internet content and previewing this content on various supported phone SDKs. Such content type includes:

- Browser content
- MMS messages (Multimedia Messaging Services)
- Push messages
- DRM messages (Digital Rights Management) content.

**Nokia Update Manager** (NUM) runs periodically and displays updates for products installed on your system. These updates are available from [www.forum.nokia.com](http://www.forum.nokia.com).

## System Requirements

Before installing NMIT, check that you have the minimum hardware and software requirements listed in this section.

### Software Requirements

Software requirements for this applications are:

- Windows 2000 Service Pack 3, Windows XP Professional Service Pack 1, or Windows 2000 Chinese

- Public JAVA Runtime Environment JRE 1.4.1\_02 or later, freely available from the Sun Microsystems web site at [www.javasoft.com](http://www.javasoft.com). See [Installing a Public JRE](#).

## Hardware Requirements

Software requirements for this applications are:

- Intel® Pentium® II or faster processor (667 MHz or faster recommended)
- 40 MB disk space
- 256 MB RAM (128 MB or more recommended)
- 64K colors, 16 bit resolution
- Keyboard and mouse

## Acquiring NMIT and a Serial Number

To install NMIT, you will need:

- The .zip file containing the software and its installation wizard
- A product serial number that you will use when you run the installation wizard

At no cost to you, you can get both directly from [www.forum.nokia.com](http://www.forum.nokia.com). If you are not already a registered member of Forum Nokia, you will need to register (also at no cost) before you can download the packages. Registration involves providing:

- A user name
- A password
- An email address to which the serial number is sent

## Getting a Serial Number Before You Install (Recommended)

To get a serial number when you download a package, click **Request Serial Number** on the same web page as the download link. The product serial number is immediately sent to the email address you provided when you registered with Forum Nokia. You will need this number when you install the product.

## Getting a Serial Number While You Install NMIT

During installation, you can register at Forum Nokia and get a serial number through the installation wizard. The wizard can connect you with the Forum Nokia web site. The product serial number is immediately sent to the email address you provide when you register.

If you elect to get a serial number while you are running the wizard, make sure you have these two items *before* you invoke the installation wizard:

- An active Internet connection while you install the package. The installation wizard requests a product serial number from the Forum Nokia web site, which is sent to you through email during the installation. (If you ever need to reinstall the package, you do not need an Internet connection. You can enter the product serial number you already have.)
- Proxy Server Information. If you plan to get a serial number while you are running the installation wizard, obtain from your local network administrator the IP address and port number of the proxy server your system uses for Internet access, if any.

## Running the Installation Wizard

To install a package:

### 1 Make sure:

- Your system meets the hardware and software requirements. See [Software Requirements](#) on page 3 and the requirement section of the component you are installing.
- You have acquired a product serial number or have the necessary information to get it during installation. See [Acquiring NMIT and a Serial Number](#) on page 4.

### 2 Double-click the .zip file you downloaded to unzip it.

### 3 Double-click the file `install.exe`. The installation wizard begins to run.

During installation of any package that includes NMIT, you will have the opportunity:

- To register file types with NMIT. This association lets you automatically open a file of the type you specify in NMIT by double-clicking on the file.
- To uninstall NCPT 2.0.1 and NCPT 2.0, which are older versions of a DRM (Digital Right Management) tool.

## Uninstalling NMIT and NUM

To uninstall NMIT, select:

**Start menu>Settings>Control Panel>Add/Remove Programs>Nokia Mobile Internet Toolkit 4.1**

To uninstall NUM, select:

**Start menu>Settings>Control Panel>Add/Remove Programs>Nokia Update Manager 2.0**

## Installing a Public JRE

If the installer does not find the JRE it requires, check the version number and location of the Java Runtime Environment (JRE) you are using. Make sure that:

- The JRE version you have is 1.4.1\_02 or greater.

- The JRE is public - that is, the location of the JRE is in a directory outside the private Java Developer's Kit (JDK).

By default, the Java 2 SDK installs both a private and a public Java 2 Runtime Environment. Make sure you accept this default because NMIT requires the public JRE.

The Java 2 SDK requires the private JRE to run the tools included with the Java 2 SDK. The private copy of the JRE has no registry settings and is contained entirely in a JRE directory whose location is known only to the Java 2 SDK.

The public JRE:

- Can be used by other Java applications
- Is contained outside the SDK (typically `C:\Program Files\Java\j2re1.4.2`)
- Is registered in the Windows registry (`HKEY_LOCAL_MACHINE\SOFTWARE\JavaSoft`)
- Can be removed using Add/Remove Programs
- Might (or not) be registered with browsers
- Has `java.exe` and `javaw.exe` copied to the Windows system directory, making the JRE the default system Java platform

NMIT will not run without the public JRE.

Most of the time, the JRE is routinely installed publicly. Occasionally, an application or a user will install the private JRE. If the public JRE was suppressed during an installation, you can install a public JRE by doing the following on Windows NT (Service Pack 6a), or Windows 2000 (Service Pack 3), or Windows XP (Service Pack 1a):

- 1 Select **Start>Settings>Control Panel** and double-click **Add/Remove Programs**.
- 2 Select **Java 2 SDK, SE v1.4.2** and click **Change**.
- 3 In the wizard that appears, select **Modify**.
- 4 In the Custom Setup wizard page, set **Public Java Runtime Environment** to **This feature will be installed on local hard drive**.
- 5 Follow the rest of the steps in the wizard.

## Troubleshooting

On some personal computers, the installer might freeze and prevent the installation from being completed. To work around this problem, adjust the hardware acceleration setting: Right click on the desktop and select Properties. Then select **Settings>Advanced>Troubleshooting**. Set the acceleration to Disable all but basic accelerations.

## For More Information ...

For more information about configuring and using the components in the packages, see the *Nokia Mobile Internet Toolkit User's Guide*, which is included when you install the product and are

located in the directory in which you installed the product. You can also download the documents from [www.forum.nokia.com](http://www.forum.nokia.com).

To view the documentation, you need Adobe Acrobat 5.0 software, which is freely available at <http://www.adobe.com/products/acrobat/readermain.html>.

For late-breaking news, see the release notes of each of the products.



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