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RealView™ ARMulator® ISS

Version 1.3

Installation Guide

# RealView™ ARMulator® ISS Version 1.3

## Installation Guide

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# 1 Supported Platforms

This section lists the hardware requirements and software requirements that must be met to enable RealView™ ARMulator® ISS v1.3 to run in the following environments:

- *Microsoft Windows*
- *SPARC workstation*
- *Linux.*

Management of floating licenses requires TCP/IP software to be installed, configured, and running on every relevant computer. See *ARM FLEXlm License Management Guide* for detailed information about installing licenses using the FLEXlm license management software.

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## Note

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To view the PDF versions of the manuals you must have Adobe Acrobat™ installed. Acrobat Reader is provided on the RealView ARMulator ISS v1.3 CD-ROM, and you can install it separately if you do not already have it installed.

There are also online manuals that are viewable in DynaText on Windows and Solaris systems. The DynaText viewer is installed during RealView ARMulator ISS v1.3 installation on those systems.

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## 1.1 Microsoft Windows

RealView ARMulator ISS v1.3 runs in a Microsoft Windows environment that meets or exceeds the following hardware and software requirements:

- Pentium IBM-compatible PC
- 32MB RAM
- CD-ROM drive (this can be a networked CD-ROM drive)
- the operating system must be one of the following:
  - Windows NT, version 4, Service Pack 5 or later
  - Windows Me
  - Windows XP Professional
  - Windows 2000, Service Pack 1 or later
  - Windows 98, Second Edition.

## 1.2 SPARC workstation

RealView ARMulator ISS v1.3 runs in a UNIX environment on a SPARC workstation that meets or exceeds the following hardware and software requirements:

- SPARC compatible machine
- CD-ROM drive (this can be a networked CD-ROM drive)
- the operating system must be one of:
  - Solaris 7
  - Solaris 8.

## 1.3 Linux

RealView ARMulator ISS v1.3 runs in a Linux environment under RedHat Linux 7.2 or RedHat Linux 7.3.

## 2 Installing RealView ARMulator ISS v1.3 in a Windows Environment

This section describes how to install RealView ARMulator ISS v1.3 with Windows.

### 2.1 Before you start

By installing RealView ARMulator ISS v1.3 you are accepting the terms of the ARM License Agreement. If you do not want to accept the terms of the ARM License Agreement you must not install or use RealView ARMulator ISS v1.3 and you must return the software to the point of supply for a refund.

The RDI connection to RealView ARMulator ISS v1.3 fixes some problems that were present in the ARM Development Suite (ADS) v1.2 ARMulator. Therefore, you must use RealView ARMulator ISS v1.3 in preference to ADS v1.2 ARMulator.

If you are currently using the ADS v1.2 ARMulator, see *After installation* when you have finished installing RealView ARMulator ISS v1.3.

### 2.2 Procedure for Installing RealView ARMulator ISS v1.3 with Windows

To install RealView ARMulator ISS v1.3:

1. Insert the CD into the CD-ROM drive. The autorun installation program starts. (If the autorun installation does not start, execute the `setup.exe` program in the top-level directory of the CD-ROM.)

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#### Note

There might be a pause of about 30 seconds when preparing the Java Virtual Machine (JVM), and it appears that the installation process has frozen. The installer is unpacking the JVM, so you must wait until this operation has completed.

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2. If you have an earlier version of RealView ARMulator ISS on your PC, a dialog reminds you of this and waits for you to decide what to do. Click the **Yes** button to continue.
3. When the Welcome window is displayed, click **Next**. The ARM License Agreement window is displayed. To continue the installation process, you must accept the terms of the ARM License Agreement. Installation of RealView ARMulator ISS v1.3 means that you accept the terms of the ARM License Agreement:
  - If you do not want to accept the terms of the ARM License Agreement you must not use RealView ARMulator ISS v1.3 and you must return the software to the point of supply for a refund.
  - If you accept the ARM License Agreement, follow the on-screen instructions to complete the installation.
4. After installation is complete, the ARM License Wizard is displayed. You must apply for, receive, and install the required permanent license (see the *ARM FLEXlm License Management Guide* for details).
5. If you chose to install any PDF documents, you are prompted to run `acroread.exe`. If you do not have Adobe Acrobat Reader installed, run `acroread.exe` after the installation of RealView ARMulator ISS v1.3 is complete.

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#### Note

Important additional information about this release is available in the `readme.html` file in the RealView ARMulator ISS v1.3 installation directory.

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#### After installation

If you have ADS v1.2 ARMulator installed, make sure that the `ARMCONF` and `ARMDLL` environment variables do not include paths to the ADS v1.2 ARMulator files `*.dsc`, `*.ami`, and `*.dll`.

### 2.3 Uninstalling RealView ARMulator ISS v1.3 with Windows

To uninstall RealView ARMulator ISS v1.3, select **Start** → **Programs** → **ARM RealView ARMulator ISS v1.3** → **ARM Uninstallation Wizard** and follow the on-screen instructions.

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#### Note

There might be a pause of about 30 seconds when preparing the JVM, and it appears that the uninstallation process has frozen. The installer is unpacking the JVM, so you must wait until this operation has completed.

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If extra components were added by re-running the installer, they are also uninstalled. If you added extra files to the installation yourself (for example, by compiling the example programs), these are not uninstalled, but you can remove them manually.

## 2.4 Reinstalling RealView ARMulator ISS v1.3 with Windows

You can use the RealView ARMulator ISS v1.3 installer to:

- reinstall RealView ARMulator ISS
- add extra components to the installed RealView ARMulator ISS
- delete components from the installed RealView ARMulator ISS
- remove all installed components of RealView ARMulator ISS.

Re-installing RealView ARMulator ISS v1.3 is exactly the same as installing it when the same version is already installed on your hard disk, and is described in *Procedure for Installing RealView ARMulator ISS v1.3 with Windows* on page 4.

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### Note

You must rerun the installer from the CD-ROM if you want to re-install specific components of RealView ARMulator ISS v1.3.

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## 3 Installing RealView ARMulator ISS v1.3 in a Unix or Linux Environment

This section describes how to install RealView ARMulator ISS v1.3 with Unix or Linux.

### 3.1 Before you start

By installing RealView ARMulator ISS v1.3 you are accepting the terms of the ARM License Agreement. If you do not want to accept the terms of the ARM License Agreement you must not install or use RealView ARMulator ISS v1.3 and you must return the software to the point of supply for a refund.

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#### Note

If you are using the ARM RealView Debugger you must use RealView ARMulator ISS v1.3, rather than the ARMulator supplied with ADS v1.2.

If you are currently using the ADS v1.2 ARMulator, see *After installation* on page 7 when you have finished installing RealView ARMulator ISS v1.3.

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#### Note

##### Solaris installation only

Before installing RealView ARMulator ISS v1.3, you must first unset all `LC_*` environment settings.

##### Linux installation only

You must ensure that the `LANG` environment variable is set to `en_US` for the duration of the installation:

```
SETENV LANG en_US
```

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### 3.2 Procedure for Installing RealView ARMulator ISS v1.3 with Unix or Linux

To install RealView ARMulator ISS v1.3:

1. Insert the CD into the CD-ROM drive.
2. Mount the CD by typing the appropriate command:
  - on a SPARC computer, the CD-ROM is usually mounted as `/cdrom/cdrom0`. If it is not, then log in as root, and mount it as follows:
 

```
#mount -F -hsfs -r device mount-dir
```

 where `device` is the path of your CD-ROM device, for example `/dev/dsk/c0t2d0s2` and `mount-dir` is the path to an existing directory where the CD-ROM is to be mounted, for example, `/mnt`
  - on a Linux computer, log in as root and type:
 

```
#mount device mount-dir
```

 where `device` is the path of your CD-ROM device, for example `/dev/cdrom` and `mount-dir` is the path to an existing directory where the CD-ROM is to be mounted, for example, `/mnt/cdrom`

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#### Note

When you have finished installing RealView ARMulator ISS v1.3, unmount the CD-ROM with:

```
#umount mount-dir
```

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3. Move to the top-level CD-ROM directory that you specified for `mount-dir` in the previous step. For example:
 

```
cd /mnt/cdrom
```
4. Run the install script for your platform:
  - `setupsolaris.bin`, for Solaris systems
  - `setuplinux.bin`, for Linux systems.

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#### Note

There might be a pause of about 30 seconds when preparing the Java Virtual Machine, and it appears that the installation process has frozen. Do not do anything until the preparation has completed.

5. Follow the installation prompts to install RealView ARMulator ISS v1.3.

6. After installation is complete, you must apply for, receive, and install the required permanent license (see the *ARM FLEXlm License Management Guide* for details).
7. If you chose to install any PDF documents, you are prompted to run `acroread.exe`. If you do not have Adobe Acrobat Reader installed, run `acroread.exe` after the installation of RealView ARMulator ISS v1.3 is complete.

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#### Note

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Important additional information about this release is contained in a `readme.html` file in your RealView ARMulator ISS v1.3 installation directory.

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#### After installation

If you have ADS v1.2 ARMulator installed, make sure that the `ARMCONF` and `ARMDLL` environment variables do not include paths to the ADS v1.2 ARMulator files `*.dsc`, `*.ami`, and `*.dll`.

### 3.3 Uninstalling RealView ARMulator ISS v1.3 with Unix or Linux

To uninstall RealView ARMulator ISS v1.3 on a Solaris or Linux computer, enter the command:

```
setupplatform.bin -W Set.mode=uninstall
```

where *platform* is either *solaris* or *linux*.

### 3.4 Reinstalling RealView ARMulator ISS v1.3 with Unix or Linux

To reinstall RealView ARMulator ISS v1.3 on a Unix or Linux computer, rerun the installation procedure as described in *Procedure for Installing RealView ARMulator ISS v1.3 with Unix or Linux* on page 6.

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#### Note

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You must rerun the installer from the CD-ROM if you want to re-install specific components of RealView ARMulator ISS v1.3.

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## 4 Feedback

ARM Limited welcomes feedback on RealView ARMulator ISS installation, and documentation.

### 4.1 Feedback on RealView ARMulator ISS installation

If you have any problems with RealView ARMulator ISS installation, contact your supplier. To help the supplier provide a rapid and useful response, give:

- your name and company
- the serial number of the product
- details of the release you are using
- details of the platform you are running on, such as the hardware platform, operating system type and version
- a clear explanation of what you expected to happen, and what actually happened
- the commands you used, including any command-line options
- sample output illustrating the problem
- the version string of the tool, including the version number and date.

### 4.2 Feedback on this book

If you have any problems with this book, send email to [errata@arm.com](mailto:errata@arm.com) giving:

- the document title
- the document number
- the page number(s) to which your comments apply
- a concise explanation of the problem.

General suggestions for additions and improvements are also welcome.