RealView Developer Suite
Version 2.1

Installation Guide

for

Windows, Sun Solaris, and Red Hat Linux

ARM DSI 0033B
RealView Developer Suite v2.1 Installation Guide for Windows, Sun Solaris, and Red Hat Linux

Copyright © 2003, 2004 ARM Limited. All rights reserved.

Release Information
The following changes have been made to this book.

Change History

<table>
<thead>
<tr>
<th>Date</th>
<th>Issue</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 2003</td>
<td>A</td>
<td>RVDS v2.0 release</td>
</tr>
<tr>
<td>January 2004</td>
<td>B</td>
<td>RVDS v2.1 release</td>
</tr>
</tbody>
</table>

Proprietary Notice

Words and logos marked with ® or ™ are registered trademarks or trademarks owned by ARM Limited. Other brands and names mentioned herein may be the trademarks of their respective owners.

Neither the whole nor any part of the information contained in, or the product described in, this document may be adapted or reproduced in any material form except with the prior written permission of the copyright holder.

The product described in this document is subject to continuous developments and improvements. All particulars of the product and its use contained in this document are given by ARM in good faith. However, all warranties implied or expressed, including but not limited to implied warranties of merchantability or fitness for purpose, are excluded.

This document is intended only to assist the reader in the use of the product. ARM Limited shall not be liable for any loss or damage arising from the use of any information in this document, or any error or omission in such information, or any incorrect use of the product.

Confidentiality Status

This document is Open Access. This document has no restriction on distribution.

Product Status

The information in this document is final, that is for a developed product.

Web Address

http://www.arm.com

Contents

- Supported platforms ................................................................. 1
- Installation Options ................................................................. 2
- Installing RealView Developer Suite on Windows ..................... 3
- Installing RealView Developer Suite on Sun Solaris or Red Hat Linux ......................................................... 4
1 Supported platforms

RealView Developer Suite v2.1 is supported on:

- Microsoft Windows
- Sun Solaris
- Red Hat Linux.

**Note**

RealView Developer Suite v2.1 uses FLEXlm license management software. To use floating licenses, TCP/IP software must be installed, configured, and running on every relevant computer. See the ARM FLEXlm License Management Guide v3.1 for more information.

1.1 Microsoft Windows

RealView Developer Suite v2.1 is supported on Pentium IBM compatible machines running:

- Windows XP Professional
- Windows 2000, Service Pack 1 or later.

1.2 Sun Solaris

RealView Developer Suite v2.1 is supported on Sun SPARC compatible machines running:

- Sun Solaris 7
- Sun Solaris 8
- Sun Solaris 9.

1.3 Red Hat Linux

RealView Developer Suite v2.1 is supported on Pentium IBM compatible machines running:

- Red Hat Linux 7.3
- Red Hat Linux 8.0
- Red Hat Linux 9.
2 Installation Options

This section describes the installation options.

If you choose a Custom installation, then you must include RealView Developer Suite, 2.1 Utilities in the list of components to install.

2.1 Typical installation

Table 1 lists the RealView Developer Suite v2.1 components that are installed during a Typical installation.

Table 1 Components installed during a Typical installation

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RealView Developer Suite, 2.1 Utilities</td>
<td>The utility software required by RealView Developer Suite v2.1, such as the FLEXlm license management software, and installer support.</td>
</tr>
<tr>
<td>RealView Debugger, 1.7</td>
<td>The RealView Debugger v1.7 application software.</td>
</tr>
<tr>
<td>RealView Debugger, 1.7 Documentation</td>
<td>The RealView Debugger v1.7 user documentation.</td>
</tr>
<tr>
<td>RealView Compilation Tools, 2.1</td>
<td>The tools and utilities of RealView Compilation Tools v2.1.</td>
</tr>
<tr>
<td>RealView Compilation Tools, 2.1 Documentation</td>
<td>The user documentation for RealView Compilation Tools v2.1.</td>
</tr>
<tr>
<td>RealView Compilation Tools, 2.1 VC6.0 SP5 Update</td>
<td>Visual C++ v6.0 Service Pack 5 update for RVCT.</td>
</tr>
<tr>
<td>RealView ARMulator ISS, 1.4</td>
<td>The RealView ARMulator ISS v1.4 software.</td>
</tr>
<tr>
<td>RealView ARMulator ISS, 1.4 Documentation</td>
<td>The RealView ARMulator ISS v1.4 user documentation.</td>
</tr>
<tr>
<td>ADS Debugger, AXD v1.3 and armsd</td>
<td>The ARM eXtended Debugger (AXD) v1.3 (Windows only), and ARM Symbolic Debugger (armsd).</td>
</tr>
</tbody>
</table>

2.2 ADS compatibility for RealView Debugger

If you already have ARM Developer Suite™ (ADS) v1.2 installed, and you want to install RealView Debugger, then do the following:

1. Choose to do a Custom installation.
2. Include the RealView Debugger, 1.7 ADS Compatibility option in the list of components you want to install.

This option enables you to create RealView Debugger projects that use your ADS build tools. Having created a RealView Debugger project for ADS, the next time you open that project, RealView Debugger gives you the option to upgrade it to use the RealView Compilation Tools v2.1 build tools.

2.3 DSP support for RealView Debugger

If you require support for DSPs in RealView Debugger, then do the following:

1. Choose to do a Custom installation.
2. Choose the DSP support option you require:
   - RealView Debugger, 1.7 OAK DSP Support
     For OAK/Teaklite DSP support.
   - RealView Debugger, 1.7 Neptune DSP Support
     For Motorola M66621 DSP support.

2.4 SDT compatibility for RealView Debugger

If you require ARM Software Developer Toolkit (SDT) support in RealView Debugger, then do the following:

1. Choose to do a Custom installation.
2. Include the RealView Debugger, 1.7 SDT Compatibility option in the list of components you want to install.
3 Installing RealView Developer Suite on Windows

To install RealView Developer Suite v2.1:
1. Read the release notes for important information about this release.
2. Decide what type of installation you require. See Installation Options on page 2 for details.
3. Insert the CD into the CD-ROM drive. The ARM Installer should start automatically. If it does not start, execute the program setup.exe in the top-level directory of the CD-ROM.
4. Follow the prompts to install RealView Developer Suite.
5. When the software installation is complete, the ARM License Wizard is launched. If you already have a network FLEXlm license server set up and running, or if you want to defer installing a license to a later time, click Cancel. Otherwise, follow the prompts to install your license file, or to submit a license request.

3.1 Requesting a license for RealView Debugger extensions

Licenses for the following extensions can be purchased separately:
- DSP-group processor debug support
- multiprocessor debug support.

Contact ARM Limited to order these extensions.

See the ARM FLEXlm License Management Guide v3.1 for details on the FLEXlm license management system.

3.2 Uninstalling RealView Developer Suite

Ensure that no RealView Developer Suite component is running before you uninstall.

To uninstall RealView Developer Suite:
1. Select Start → Programs → ARM → Uninstallation Wizard to launch the ARM Uninstaller.
2. Follow the prompts to uninstall RealView Developer Suite.
4 Installing RealView Developer Suite on Sun Solaris or Red Hat Linux

To install RealView Developer Suite v2.1:

1. Read the release notes for important information about this release.
2. Decide what type of installation you require. See Installation Options on page 2 for details.
3. Insert the CD into the CD-ROM drive.
4. If the CD does not aut mount, log in as root and mount it by typing:
   - On Sun Solaris:
     ```
     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 Red Hat Linux:
     ```
     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`
5. Move to the top-level CD-ROM directory. For example:
   ```
   cd /mnt/cdrom
   ```
6. Execute the install script for your platform, either:
   ```
   setupolaris.bin
   ```
   ```
   setuplinux.bin
   ```
7. Follow the installation prompts to install RealView Developer Suite.

4.1 Requesting a license for RealView Debugger extensions

Licenses for the following extensions can be purchased separately:

- DSP-group processor debug support
- multiprocessor debug support

Contact ARM Limited to order these extensions.

See the ARM FLEXlm License Management Guide v3.1 for details on the FLEXlm license management system.

4.2 Uninstalling RealView Developer Suite

Ensure that no RealView Developer Suite component is running before you uninstall.

To uninstall RealView Developer Suite:

1. Change directory to the base installation directory for the installer. For example, if you installed in the
default location, this will be:
   ```
   ~/ARM/Utilities/Installer/version_number/build_number/
   ```
2. Execute the uninstall script for your platform, either:
   ```
   setupolaris.bin -uninstall
   ```
   ```
   setuplinux.bin -uninstall
   ```
3. Follow the prompts to uninstall RealView Developer Suite.