

# RealView® Development Suite v3.0

## Installation Guide for Windows, Sun Solaris, and Red Hat Linux

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### Release Information

The following changes have been made to this book.

#### Change History

Date	Issue	Change
September 2003	A	RVDS Release v2.0
January 2004	B	RVDS Release v2.1
December 2004	C	RVDS Release v2.2
May 2005	D	RVDS Release v2.2 SP1
March 2006	E	RVDS Release v3.0

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### Product Status

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

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## 1 Supported platforms

RealView Development Suite v3.0 is supported on:

- Microsoft Windows
- Sun Solaris
- Red Hat Enterprise Linux.

Only 32-bit hardware is supported.

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### Note

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RealView Development Suite v3.0 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 v4.0* for more information.

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### 1.1 Microsoft Windows

RealView Development Suite v3.0 is supported on Pentium IBM compatible machines running:

- Windows XP Professional, Service Pack 2 or later
- Windows 2000, Service Pack 1 or later.

### 1.2 Sun Solaris

RealView Development Suite v3.0 is supported on Sun SPARC compatible machines running:

- Sun Solaris 9
- Sun Solaris 10.

### 1.3 Red Hat Enterprise Linux

RealView Development Suite v3.0 is supported on Pentium IBM compatible machines running:

- Red Hat Enterprise Linux WS version 3 and 4 for Intel x86 using Gnome Window Manager and bash Shell.

## 2 Installing RealView Development Suite on Windows

To install RealView Development Suite v3.0:

1. Read the release notes for important information about this release.
2. Insert the CD into the CD-ROM drive.

The ARM® RealView Software Wizard starts automatically. If it does not start, run the program `setup.exe` in the top-level directory of the CD-ROM.

3. Follow the instructions to install RealView Development Suite.

The Customize panel of the ARM® RealView Software Wizard lists all installation options. By default, the **Typical** installation options are selected, which excludes the following options:

- AXD and armsd for Windows
- Direct USB connection to AB926EJ-S, PB926EJ-S and EB boards.

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### Note

This option is not required if you want to connect to these boards using RealView ICE, which you must purchase separately.

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Select **Full** if you also want to install both these options.

To select a different set of installation options, then select or unselect the options as required. The installation type changes to *Custom*.

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### Note

You can set up or modify the environment variables after the installation is complete by using the `armenv` tool (see the *RealView Development Suite Getting Started Guide* for more details).

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4. 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 go to the ARM licensing web site to obtain a license.

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### Note

The support for CEVA-Oak, CEVA-TeakLite, CEVA-Teak, ZSP400, and ZSP500 DSPs is installed with the **RealView Debugger, Executables** option.

You must obtain the appropriate DSP support license for your DSPs (see *Requesting a license for RealView Debugger extensions* on page 6). DSP support is available only when connecting with RealView ICE, which you must purchase separately.

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### 2.1 Modifying or uninstalling RealView Development Suite

To modify or uninstall RealView Development Suite:

1. Make sure that no RealView Development Suite component is running before you start.
2. Select **Start** → **Programs** → **ARM** → **RealView Development Suite v3.0** → **Modify or Uninstall Product** to launch the ARM RealView Software Wizard.

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### Note

If you have installed RealView ICE in addition to RealView Development Suite, and you want to uninstall RealView ICE, then select **Start** → **Programs** → **ARM** → **Uninstallation Wizard** to launch the ARM RealView Software Wizard. Ignore step 4 in this case.

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3. Follow the instructions.
4. On the Product Setup panel, select:
  - **Modify** to change the installed components
  - **Uninstall** to completely remove RealView Development Suite from your workstation.
5. If you are prompted to reboot, you must reboot your workstation to complete the uninstall.

### 3 Installing RealView Development Suite on Sun Solaris or Red Hat Linux

To install RealView Development Suite v3.0:

1. Read the release notes for important information about this release.

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**Note**

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Do not install as root, or other privileged user. If you do, then configuration files that might have to be modified by other RealView components (such as RealView ICE) cannot be changed, and can cause configuration failures.

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2. Insert the CD into the CD-ROM drive.
3. If the CD does not automount, 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`
4. Move to the top-level CD-ROM directory. For example:
 

```
cd /mnt/cdrom
```
5. Start the ARM RealView Software Wizard for your platform:
  - `setupsolaris.bin`
  - `setuplinux.bin`
6. Follow the instructions to install RealView Development Suite.

The **Customize** panel of the ARM RealView Software Wizard lists all installation options. By default, the **Typical** installation options are selected, which excludes the option `armsd` for *platform*, where *platform* is Linux or Solaris

Select **Full** if you also want to install `armsd`.

To select a different set of installation options, then select or unselect the options as required. The installation type changes to **Custom**.

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**Note**

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You can set up or modify the environment variables after the installation is complete by using the `armenv` tool (see the *RealView Development Suite Getting Started Guide* for more details).

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7. The installer generates a script file that sets up the environment variables for RealView Development Suite v3.0, for both `sh` and `csh` shells:
  - `install_directory/RVDS30env.sh`
  - `install_directory/RVDS30env.csh`

Use the `source` command with the appropriate shell script to add the new environment to the current shell. You can also generate these shell script files using the `armenv` tool. See the *RealView Development Suite Getting Started Guide* for more details.

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**Note**

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The support for CEVA-Oak, CEVA-TeakLite, CEVA-Teak, ZSP400, and ZSP500 DSPs is installed with the **RealView Debugger, Executables** option.

You must obtain the appropriate DSP support license for your DSPs (see *Requesting a license for RealView Debugger extensions* on page 6). DSP support is available only when connecting with RealView ICE, which you must purchase separately.

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### 3.1 After installation on Sun Solaris

After installing RealView Development Suite on Sun Solaris, you must modify the X-Windows configuration file (`.Xdefaults`) located in your `$HOME` directory. The file must contain the following line:

```
Dtwm*secondariesOnTop: True
```

The case is important so enter the line exactly as shown. If the `.Xdefaults` file does not exist then you must create it.

### 3.2 Modifying or uninstalling RealView Development Suite

To modify or uninstall RealView Development Suite:

1. Make sure that no RealView Development Suite component is running before you start.
2. Start the ARM RealView Software Wizard for your platform:
  - `setupsolaris.bin`
  - `setuplinux.bin`

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#### Note

If you have installed RealView ICE in addition to RealView Development Suite, and you want to uninstall RealView ICE, then launch the ARM RealView Software Wizard in uninstall mode for your platform:

- `setupsolaris.bin -uninstall`
- `setuplinux.bin -uninstall`

Ignore step 4 in this case.

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3. Follow the instructions.
4. On the Product Setup panel, select:
  - **Modify** to change the installed components
  - **Uninstall** to completely remove RealView Development Suite from your workstation.
5. Follow the instructions to complete the required action.

## 4 Requesting a license for RealView Debugger extensions

Licenses for the following RealView Debugger extensions can be purchased separately:

- multiprocessor debug support
- CEVA-Oak and CEVA-TeakLite DSP debug support
- CEVA-Teak DSP debug support
- ZSP400 and ZSP500 DSP debug support.

Contact your supplier to order these extensions.

See the *ARM FLEXlm License Management Guide v4.0* for details on the FLEXlm license management system. Also, see the *FLEXNET LICENSING END USER GUIDE* for full details about FLEXnet licensing.