



MÄK Logger Release 3.3 Release Notes

For MÄK Logger Release 3.3, the *MÄK Logger User's Guide* has been updated and re-issued. These release notes contain release-specific information and information that was not available when the manual went to press. It covers the following:

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Release Overview

The major change in Logger 3.3 is support for version 1.3 of the RTI. Logger 3.3 is built on VR-Link 3.3, and has been tested with the MÄK RTI, version 1.3, and with the DMSO RTI, version 1.3v4. The MÄK Logger (along with all other MÄK products) now comes with a copy of the MÄK RTI.

The portion of the Logger's functionality that requires FOM knowledge (scaling of entities' velocities during playback) now expects version 0.5 of the RPR FOM.

The DIS Logger is virtually unchanged.

System requirements

Logger 3.3 is being released initially for the following platforms. Other platforms may follow. VR-Link 3.3 and its required compiler version are required in order to use the logger library, but not the executables.

Table 1: Platforms supported

Platform	Compiler
SGI IRIX6.2 or later (both n32 and o32 ABIs)	MipsPro7.1 C++ compiler (available from SGI)
Sun Sparcstation with SunOS4.1.3 or later	GNU C++ (g++) version 2.7.2.3 and G++ libraries version 2.7.2. (Available via anonymous FTP from prep.ai.mit.edu/pub/gnu.)
Sun Sparcstation with Solaris2.5 or later	SPARCompiler C++ version 4.1 (available from Sun)
Dec Alpha with OSF/1 V4.0	DEC C++ for OSF/1 version 5.5 (available from DEC)
PC with Red Hat Linux 5.1	GNU C++ (g++) distributed with Red Hat distribu- tion. The command: <code>g++ -V</code> returns: <code>gcc version egcs-2.90.27 980315 (ecgs-1.02 release)</code>
PC with Windows NT or Windows 95	Microsoft Visual C++ 5.0 or later. Note: MÄK Logger 1.0.3 used MSVC++ 4.2.

Backward Compatibility

Because of significant differences between RTI 1.0.3 and RTI 1.3, (and between versions 0.3 and 0.5 of the RPR FOM), Logger 3.3 cannot play back HLA logger files recorded with previous releases of the Logger. The DIS Logger file format has not changed, however, so Logger 3.3 can play back old DIS Logger files.

FED File Format

A new *.fed* file format was introduced in RTI 1.3. The standard *VR-Link.fed* file has been updated to be usable with RTI 1.3.

The MÄK RTI

All MÄK products now come with a copy of the MÄK RTI. On UNIX systems, if you accept the prompt to install the MÄK RTI as part of the installation procedure, there should be a link called *RTI* in the Logger root directory that points to the *makRti* directory, which contains the MÄK RTI software. On PCs, the MÄK RTI is installed in a default directory.

See MÄK RTI documentation for information about setting environment variables and other configuration information required to use the MÄK RTI.

You do not need an RTI server or central application such as *rtiexec* to use the MÄK RTI. Just start the applications, and they should be able to communicate. See MÄK RTI documentation for information about changing the networking parameters such as multicast addresses, UDP ports, and the *rtiexec* (optional).



Note: As with all MÄK products, make sure the license manager is running before you try to use the MÄK RTI.

If you do not want to use the MÄK RTI, you can use the DMSO RTI, which you can download from the DMSO web site: <http://www.dmsomil.com>. Follow the HLA link, and choose HLA Software Distribution Center to register for, and download the DMSO RTI.

See the “Installation” chapter in the *VR-Link Developer's Guide* for more information about obtaining and configuring the DMSO RTI.

Updates to Documentation

In Logger 3.3, the HLA version of *lgrDump* decodes only the attribute data for entity objects. For attribute updates from other object classes, *lgrDump* prints the hex values of the attributes.

> To decode all the data, use the Logger to play the data stream for VR-Link's *hlaNetdump* utility.



Note: This is not a new feature. It describes the current functioning of *lgrDump*.