



MAK Gateway 4.2.1 Release Notes

This release note provides release-specific information for MAK Gateway Release 4.2.1.

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System Requirements

This section lists supported platforms and hardware and software requirements.

Platforms Supported

The Gateway Release 4.2.1 supports:

- ♦ Windows 2000/XP MSVC++ 7.1
- ♦ Red Hat Linux 9.0, Enterprise Workstation 3.0, Enterprise Workstation 4.0, Fedora Core 3.

Software Requirements

The Gateway requires installation of one of the following RTIs:

- ♦ MÄK RTI 2.x or 3.x
- ♦ DMSO RTI-NG 1.3 v6.

Compiler Compatibility on Windows

MÄK provides versions of product releases that have been compiled with Microsoft Visual C++ 6.0 and 7.1. When you run MÄK products together, for example, the Gateway and the Stealth, we strongly recommend that you run versions compiled with the same compiler. Mixing products compiled with different versions of the compiler can result in program instability.

FLEXlm 9.2

The Gateway requires FLEXlm 9.2. If you have not already updated your FLEXlm directory as part of installing another MÄK product, you must update the license server.



If this is the first time you are installing a MÄK product, just follow the steps for installing license management that are in *MÄK Gateway User's Guide*.

To update your *flexlm* directory:

1. If the license server is running, shut it down with *lmdown*.
2. Back up the files in the *flexlm* directory on the license server (*C:\flexlm* on Windows, typically */usr/local/flexlm* on UNIX). (For example, to *flexlm.old*.)
3. Copy all of the files in *gateway/flexlm92* to the *flexlm* directory on the license server.
4. Copy your license files (*.lic* or *.dat*) from the backup directory to the *flexlm* directory.
5. Start the license server.
6. Run the Gateway and verify that it is checking out a license.

FLEXlm is backwards compatible, so you do not have to change your license file, and MÄK applications built with earlier versions of FLEXlm will continue to work with FLEXlm 9.2. If you have any problems or questions, contact MÄK support at support@mak.com.

RPR FOM Support

The Gateway 4.2.1 release supports the following versions of the RPR FOM:

- ♦ RPR FOM 0.5 – *VR-Link05.fed*
- ♦ RPR FOM 0.7 – *VR-Link07.fed*
- ♦ RPR FOM 0.8 – *VR-Link08.fed*
- ♦ RPR FOM 1.0 – *VR-Link10.fed*
- ♦ RPR FOM 2.0 draft 6 – *VR-Link20006.fed*
- ♦ RPR FOM 2.0 draft 14 – *VR-Link20014.fed*
- ♦ RPR FOM 2.0 draft 17 – *VR-Link20017.fed*

See Section 3.2.2, “Specifying the FOM Mapper and FED File to Use,” in *MÄK Gateway User's Guide* for details about how to use different versions of the RPR FOM.

DIS Protocols and RTIs Supported

HLA only

Gateway 4.2.1 was built against VR-Link 3.9.6 and is compliant with:

- ♦ RPR-FOM 1.0 and a subset of 2.0 (draft 6, 14, and 17)
- ♦ MÄK RTI 2.x and 3.x
- ♦ DMSO RTI NG 6.

Gateway 4.2.1 is compatible with applications that use earlier versions of VR-Link if they support versions of the RPR FOM listed above.

DIS only

Gateway 4.2.1 supports DIS 2.0.4, IEEE 1278.1, and IEEE 1278.1a, and can therefore interoperate with DIS applications of any of these versions. By default, the Gateway receives all three versions of DIS and sends IEEE 1278.1.

New Features and Updates

This release of MÄK Gateway has one bug fix and a new configuration parameter.

In previous releases, when the Gateway remapped event IDs, it would issue the following message for each event ID that it remapped:

Unable to pass EventID without remapping, original event
number will be kept.

A new configuration parameter, `debugEventIdMapping`, controls issuance of this message. By default, the message is not sent. To turn on the message, set `debugEventIdMapping` to 1.

Bug Fixes

This section describes problems that have been fixed in this release:

- ♦ Command line options are now parsed correctly.

Known Problems

The Gateway cannot translate EnvironmentalProcess PDUs generated by VR-Forces.