



WebLVC 1.7 Release Notes

This release note contains the following release-specific information for WebLVC 1.7.

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Systems Supported and System Requirements

For the most up-to-date information about systems supported, see the Product Versions page on the MAK web site at: <https://www.mak.com/support/product-versions>. For hardware requirements, see <https://www.mak.com/support/hardware-recommendations>.

WebLVC 1.7 is available for the platforms listed in Table 1.

Table 1. Platforms supported

Broker	Operating System	Compiler
HLA, DIS		
	Windows 10	Microsoft Visual C++ 14.0 (64-bit)
DDS		
	Windows 10	Microsoft Visual C++ 14.0 (64-bit) (RTI DDS only)

If you require TENA support, contact support (<https://jira.mak.com/servicedesk/customer/portal/1>) for assistance.

External Library Requirements

WebLVC 1.7 is built with VR-Link 5.8.

WebLVC 1.7 VC 14 uses Qt 5.15.2. The VC 14 build is binary compatible with all MAK VC 15 products.

DDS Support

WebLVC supports the RTI DDS Broker. Requires the RTI Connexx DDS Software. You can download it from <https://www.rti.com>. The RTI DDS broker is supported on all platforms.

Compiler Compatibility on Windows

MAK provides versions of product releases that have been compiled with different versions of Microsoft Visual C++. When you run MAK products together on the same computer, for example, the Logger and VR-Vantage, 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. The exception to this is that products built with VC 14 and VC 15 are binary compatible.

License Manager

WebLVC 1.7 uses FLEXlm 11.17.1. You must install the license management software to run WebLVC. If you are upgrading from a version of WebLVC that used an older version of FLEXlm, you must upgrade your license management files. You do not need a new license. Licenses are forward compatible.

The License Manager files are not part of the WebLVC installer. You can download them at:

- Windows: <http://ftp.mak.com/out/MAKLicenseManager-win64-setup.exe>
- Linux: <http://ftp.mak.com/out/MAKLicenseManager-linux64-setup.tar.gz>

A license manager FAQ is available at <https://www.mak.com/support/license-support>.

Network Compatibility

WebLVC 1.7 is compliant with RPR FOM 1.0 and RPR FOM 2.0 and includes FOM mappers for many draft versions of the RPR FOM. It is compliant with RTIs that support the HLA 1.3 specification, the SISO DLC HLA API 1516 version of the IEEE 1516 specification (SISO-STD-004.1-2004), or HLA Evolved. MAK recommends HLA Evolved.

To use an RTI with WebLVC, it must use the same operating system and be built with the same compiler.

WebLVC 1.7 supports DIS 4, 5, 6, and 7, and can therefore interoperate with DIS applications of any of these versions. MAK recommends DIS 7.

Backward Compatibility

Support for MAK Data Logger Recordings

While WebLVC 1.7 works with all recent versions of the MAK Data Logger, please know:

- Versions of the MAK Data older than 5.5.1 (released in May 2018) have known problems with the encoding of DIS 7 Attributes, which can cause crashes in MAK products.

New Features and Updates

WebLVC 1.7 has the following new features and updates.

- Support for VR-Link 5.8.
- Support for VR-Forces 5.0.1.
- Support for VR-Vantage 3.0.1.
- Dark mode is now the default in the graphical user interface. Light mode, the former standard, is also available. See "[Disabling and Enabling Dark Mode](#)" in the *WebLVC Server Users Guide*.
- The online help, accessed from the Help menu, is now in an HTML format with a more modern look and an improved search utility. The help is built into WebLVC and does not require an internet connection.

Fixed Bugs

Problems identified in previous releases have been fixed.

- WEB-41. The buttons in the VR-Vantage Controller application's entity list now send the correct interactions. Previously, they were not working.
- WEB-50. Added API calls to DtBroker class to get or set a VRF Remote Controller pointer.
- WEB-51. The WebLVC broker now can now translate the new Cloud States from VR-Forces. The instructor application also sends VR-Forces cloud state.
- WEB-54. Added frozen state support for remote and local entities.
- WEB-55. OffsetLocation fields in VR-Forces tasks are now translated through WebLVC.