



Viz Mosart Product Release Notes

Version 5.7



Viz Mosart



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Antivirus

Vizrt does not recommend or test antivirus systems in combination with Vizrt products, as the use of such systems can potentially lead to performance losses. The decision for the use of antivirus software and thus the risk of impairments of the system is solely at the customer's own risk.

There are general best-practice solutions, these include setting the antivirus software to not scan the systems during operating hours and that the Vizrt components, as well as drives on which clips and data are stored, are excluded from their scans (as previously stated, these measures cannot be guaranteed).

Technical Support

For technical support and the latest news of upgrades, documentation, and related products, visit the Vizrt web site at www.vizrt.com.

Created on

2024/05/15

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1 Viz Mosart 5.7.1

Release Date: 2024-05-15

1.1 Release Highlights

This 5.7.1 version is a maintenance release with no new features to the software since Viz Mosart 5.7.0.

1.2 Fixed Issues

1.2.1 Clip search

- In Viz Mosart 5.7.0 it was found that when using Vizrt's Media Service as Media Search Service in the Viz Mosart Media Administrator, searching for clips in the Viz Mosart GUI would fail. Media Administrator would instead display red error messages referring to VizOneClient. This can also affect installations with Viz Mosart controlling Viz TriCaster® Vectar. This issue has now been fixed (MOSART-12346).

1.2.2 NRCS Connection

- With the introduction of MOS 4 support in Viz Mosart 5.7.0, an issue was introduced in Manus Administrator where, if the MOS NRCS server address was configured as a numeric IP address (rather than a hostname), the Viz Mosart GUI would show the NRCS Status as missing (grey), even though rundowns could be correctly loaded and operated. In this Viz Mosart release, the issue has been resolved (MOSART-12405).

2 Viz Mosart 5.7.0

Release Date: 2024-04-30

2.1 Introduction


Viz Mosart is Vizrt's powerful suite of tools for studio automation, production assistance, and advanced graphics control. It enhances consistency and efficiency in live and as-live production, so that even complex shows can be run error-free from a single operator position.

Viz Mosart controls devices flexibly according to templated sets of repeatable actions, automating that control according to stories prepared in a rundown and enabling creative manual interaction whenever needed.

In this document you will find listed all important changes in this latest release of Viz Mosart.

2.2 Release Highlights

This release also brings further improvements (especially UX) and resolves a large number of bugs, as documented in the lists of [Improvements](#) and [Fixed Issues](#).

 The feature set of Viz Mosart version 5.7.0 is largely backward compatible with versions 5.x and 4.x, and, for most operations even earlier Viz Mosart versions. Sometimes it is necessary to deprecate older functionality, as described here under [Deprecations](#).

2.3 New Features

2.3.1 Security: support for MOS Protocol 4.0

The MOS Protocol standard has with version 4.0 enhanced the communication layer to allow interaction across firewall-protected security zones. This allows network segregation of the studio automation environment from the newsroom system, thereby improving the security posture of enterprise, hybrid and multi-location system architectures.

MOS v4.0 transport is designed around the Web Security Services (WSS) standard. The message flow and message structure of MOS Protocol 4.0 is fundamentally the same as earlier versions of MOS.

With this release of Viz Mosart, we have introduced support for MOS Protocol 4.0, supporting both "*Standard Mode*" and "*Passive Mode*". Viz Mosart continues to support MOS versions 2.8.x without change.

2.3.2 AMP video server driver

This release of Viz Mosart introduces handling of video servers that support the Advanced Media Protocol (AMP).

For details on how to set this up, refer to the Viz Mosart Administration Guide's documentation of Video Server connection, both for AV Automation and for Media Administrator.

2.4 Improvements

2.4.1 Remote Control Service

- In the latest two Web Applications releases, 1.6.1 and 1.7.0, we have improved the Mosart Web Server's usage of Fully Qualified Domain Names (FQDN) for accessing a Viz Mosart Server through SignalR. Even with these improvements, there were situations where the Viz Mosart Server could not be reached by the Web Server, and to resolve these, we have in this release introduced improvements in to the SignalR part of the Remote Control Service (RCS). Normally, the RCS will now automatically detect the fully qualified name of the machine

where it is installed, and SignalR connectivity is ensured.

Even with this improvement, there could be situations where the Web Server cannot reach the RCS, but these should now be possible to solve with a new setting introduced in the RCS. This setting will also enhance security and connection stability between the Web Server and the RCS. The setting is named **SignalRAllowedOrigins** and is located in the RCS configuration file "*%ProgramData%\Mosart Medialab\ConfigurationFiles\RemoteDispatcherServiceConfig.xml*".

This setting allows you to specify a list of origins that can access the SignalR service, ensuring connections are secure and reliable. To resolve Web Server connection issues, manually configure *SignalRAllowedOrigins* to include the fully qualified domain name of your Mosart Server.

For detailed configuration instructions, please look up "Remote Control Service" in the Viz Mosart Administrator Guide (MOSART-12269).

2.4.2 Video clip status handling

- In Viz Mosart 5.5.0 we introduced improved video clip status reporting in the GUI. In Viz Mosart 5.6.0 we improved this even more, but still setups have been found where the clip status reporting is incorrect. In this Viz Mosart release, further improvements have been made, to resolve those errors (MOSART-12223).

The feature can be disabled through the Combined Manus Administrator setting **Advanced Clip Status Display**, by setting it to *False*. Then the system uses the original visualization method, showing clip statuses only with solid, blue color or a checkerboard pattern, depending on whether the clip is available or not.

2.5 Fixed Issues

2.5.1 Graphics handling

- In Viz Mosart 5.5.0 we fixed an issue (MOSART-11912) with handling full screen Vizrt graphics in accessories. Unfortunately this fix introduced another issue, where there would be a missing Cue command when taking the full screen graphic to preview. This latest issue has now been fixed (MOSART-12208).

2.5.2 Rundown handling

- Fixed an old issue where a story update from the NRCS would make a story item that was inserted manually lose all its secondary items (accessories, lower thirds, etc.). In this particular case, the story item was inserted by either selecting **Preview from the Media pool**

or by selecting a template keyboard shortcut **by touch** (MOSART-12219). Note that this is a further improvement of a fix (in Viz Mosart 5.6.0 - MOSART-11618) for the same problem, but in that case when the story item was manually inserted by selecting the assigned key for a template keyboard shortcut.

2.5.3 Video Switcher handling

- Since Viz Mosart 5.5.0, the video switcher connection status in AVAutomation could become unstable. This would be when using the Sony Serial Tally video switcher device with SonyCom Switcher Type Variant, connected through only one serial port. This issue has now been fixed, so the reported connection status should now be stable (MOSART-12211).
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2.6 Deprecations

2.6.1 Previous notable changes

- **5.0.0:** When using the *Story Recorder* feature (introduced in version 5.0.0), the created *template set* becomes incompatible with Viz Mosart version 4.x or earlier.
- **5.1.0:** With the introduction of the Engine Switcher feature (in version 5.1.0), a *Viz Opus* can *not* be upgraded to Viz Mosart 5.1 or newer. Previously it has been possible, to upgrade at own risk Viz Opus to a newer Viz Mosart version than the official 3.8.1 version This is no longer possible.
- **5.4.0:** The *MMTrio* graphics interface application is deprecated. Customers should ensure that overlay graphics are configured using the Overlay Graphics Interface application.

2.6.2 Changes in this version

- none

2.6.3 Upcoming changes

- In a future version of Viz Mosart (version TBC), both older iNews and MOS versions of *Manus Administrator* will be deprecated. Customers are encouraged to migrate to the new *Combined Manus Administrator*.
- In a future version of Viz Mosart (version TBC), support for the *ActiveX NRCS plugin* will be deprecated. Customers are encouraged to migrate to the HTML-based plugin (*Mosart Web App NRCS Plugin*) wherever possible. Vizrt are continuing to strengthen the web-based architecture which serves this newer plugin, and to enhance its functionality where customer experience exposes use cases which are not yet fully satisfied.

2.7 Known Limitations

- The support for MOS Protocol 4.0 introduced in this release has a limitation in that it does not support Secure Websocket (wss), only regular Websocket (ws).
- In the recently released Web Applications 1.7, we introduced the feature Seamless Integration of NRCS Plugin with Pilot Edge - allowing the Viz Mosart NRCS plugin to be hosted as a tab inside the Viz Pilot Edge NRCS plugin. After this was released, there were some cases encountered where this integration would not work. To solve this requires changes both in the Viz Mosart Backend (Server) and in the Web Applications; this Viz Mosart release contains the necessary fixes for the backend, while the fixes for the Web Applications will follow soon (MOSART-12174/MOSART-12274).

2.8 Installation And Upgrade

Refer to the *Viz Mosart Administrator Guide*, section [Installation](#). Latest updated documentation for Viz Mosart 5.7 is at <https://documentation.vizrt.com/viz-mosart-5.7.html>.


2.8.1 System Requirements

Recommendations

For further details, see the **Installation > Prerequisites** section in the [Viz Mosart Administrator Guide](#).

General

- Microsoft .NET Framework 4.8.
- Microsoft Visual C++ Redistributable for Visual Studio 2015, 2017, 2019 and 2022 (both x86 and x64).
- Microsoft Edge WebView2 Runtime (x64).

 If WebView2 Runtime is not pre-installed, the Viz Mosart GUI and Server installers will try to install in on-line. If on-line installation is not possible, VewView2 Runtime has to be installed manually before running the Viz Mosart installers.

Viz Mosart Server

- Microsoft Windows Server 2022.
- Microsoft Windows Server 2019.
- Microsoft Windows Server 2016 (only extended support from Microsoft).
- Microsoft Windows Server 2012R2 (only extended support from Microsoft).

Note: WebView2 Runtime version 109 is the last supported version on Windows Server 2012R2 (version 110 and later will be unavailable).

Viz Mosart client computers (GUI, Audio Panel, Timing Display, Audio Player)

- Microsoft Windows 11.
- Microsoft Windows 10.
- Microsoft Visual C++ Redistributable 2013 x86.
- Microsoft Visual C++ Redistributable 2013 x64.

Network Bandwidth

- 1000 Mbps Gigabit Ethernet card is required on the Viz Mosart client computer if NDI is used for live preview in the **Preview** and **Program** windows.

2.8.2 Upgrade

As a standard procedure, always make backups before upgrading. The locations are all files in the following folders:

- *C:\channeltemplates*
- *%localappdata%\Mosart_Medialab*
- *%programdata%\Mosart Medialab\ConfigurationFiles*
- *C:\Program Files (x86)\Mosart Medialab\<Mosart application>\ConfigurationFiles*
- All files with extension *.exe.config* in folders *C:\Program Files (x86)\Mosart Medialab\<Mosart application>* where *<Mosart application>* is the relevant Viz Mosart application (for example Mosart Server, Mosart GUI).

Windows registry settings for:

- *HKEY_CURRENT_USER\Software\Wow6432Node\Mosart Medialab*
- *HKEY_LOCAL_MACHINE\Software\Wow6432Node\Mosart Medialab*

For the upgrade procedure, see the *Viz Mosart Administrator Guide*, section [Installation](#). You will always find the latest updated documentation for Viz Mosart 5.7 at <https://documentation.vizrt.com/viz-mosart-5.7.html>.

If you do not have Internet access to the above documentation, a quick guide for installation is given here:

1. Download all relevant Viz Mosart installation files to the preferred location.
 - a. The default location is *C:\Mosart\Installers*. You are advised to make a sub-directory for the installers for a particular version/build containing all the MSI installer-files and any other supplemental files.
 - b. This directory should be named using the `Release.Version.Patch.Build` naming convention, for example: *C:\Mosart\Installers\5.1.0.24523* for Mosart 5.1.0 build 24523.
2. Stop all Viz Mosart Windows services.

3. Double-click the installation file, and follow the prompts to complete installation. Note that after completing this step for the Viz Mosart Server and the Viz Mosart GUI, the documentation is available in the installation folder's *Documentation* sub folder.
4. Repeat the above step for all relevant installation files.
5. As the last steps you need to start a set of Windows services to make Viz Mosart run properly. These are automatically started when the computer is started. The safest is to reboot the computer to verify that the automatic start of the services is working.

Installations with Viz Mosart in several galleries

If you have several galleries running an earlier Viz Mosart version, like Viz Mosart 3 or Viz Mosart 4, you can safely upgrade one of the galleries to Viz Mosart 5 while the others stay on their current version.

3 Documentation

Documentation for Viz Mosart is available at the [Vizrt Documentation Center \(https://documentation.vizrt.com/viz-mosart.html\)](https://documentation.vizrt.com/viz-mosart.html).

4 Support

Support is available at the [Vizrt Support Portal](#).

4.1 Previous Versions

In accordance with the [Vizrt Global Support Handbook](#) section *Software Lifecycle*, support for older versions of Viz Mosart ends 24 months after a subsequent minor or major version is released.

With this release of Viz Mosart version 5.7, earlier versions will therefore no longer be supported after 2026-04-30.

At the date of this release, Viz Mosart versions earlier than 5.0 are no longer supported.