

Major Release Information

Virtual Studio Manager – VSM

Version 2020-2

Author: AK
Stand: 2020-10-23
Release Date: 2020-10-23

Included Components (**bold**: updated since last release)

- CommTrace_2-02
- RELEASE INFORMATION 20-2 (this file)
- vsmDiscover-2.2.13
- vsmEventImport-1.0.6
- vsmGadgetServer - 2_0308
- **vsmGadgetServer.Net - 5.6.1.139**
- vsmGear-B0029
- **vsmPanel - 3.4.12.4**
- vsmRemoteMnoplProxy-1.0.16
- vsmSnap - 3.2.9.0
- **vsmStudio-B2339**
- vsmWebPanel-3.4.10.2
- **vSnmp - 2.0.0.20**
- **vTimeSync - 4.4.7.0**

Major Release 2020-2

VSM Release 2020-2 comes with many new features in vsmStudio, vsmGadgetserver and vsmPanel, various preparations for coming functional enhancements and many stability fixes. See below for details.

vsmStudio Build 2339

- Introduction of **CPC** (Cross Point Centric) Processing.
- Initial preparation of Room Tally.
- Initial preparation of Network Bridging.
- Various fixes and stability additions, please refer to changelog in product archive.

vsmGadgetServer 5.6.1.139

- Updates to existing drivers, various fixes and stability additions, please refer to changelog in product archive.
- NMOS IS-05 support
- C100 JSON driver support and ember+ parameter mapping.

vsmPanel 3.4.12.4

- Browser engine has been replaced with MS Edge, no additional installs are required anymore.
- Multiline text field indication
- Various fixes.

Details

vsmStudio - Cross Point Centric (CPC) Processing

When switching a flow in an IP environment, multiple systems are involved, and the controller will manage them all to create a proper route. When data is supposed to travel from a sender to a receiver across a network, the controller triggers at least the receiver and the network (directly or via SDN) to ensure a route. More systems may get involved, depending on signal workflows.

All involved systems must be regarded as self-contained systems, exchanging their status separately with the controller. Some of them will respond fast, others may need more time. Consequently, the controller must be able to manage all statuses and responses triggered by a single user action in a way, which allows to generate a clear action feedback to the operator. This is essential, as the user will otherwise retrigger his action or report an issue.

The large number of controllable systems from third-party providers and their individual behaviour makes it impossible to adapt the traditional VSM mechanism for visualizing the crosspoint status, which is based solely on system feedback. Instead, a fundamental change in the VSM processing was required, which enables both: to allow controlled systems the time required for a reaction and at the same time to give the operator immediate feedback on his actions.

With CPC, this change has been addressed.

For further details, please refer to the corresponding application note at:

<https://confluence.lawo.com/x/Ur4cAQ>

vsmGadgetserver – Mapping Module

To reduce the amount of VSM reconfiguration efforts to a minimum, when upgrading C100 modules from v1.8 (ember+) to v1.10 or v1.11 (JSON), vsmGadgetserver has been enhanced with a mapping file functionality, which remaps JSON parameters to match the former Ember+ provider scheme. See details in the specification for the C100 driver in vsmGadgetServer.

<https://confluence.lawo.com/x/hsUcAQ>

To find out more about verified compatibilities with V_matrix software bundles, check the following page: <https://confluence.lawo.com/x/l8UcAQ>

NMOS IS-05 Compatibility

vsmGadgetServer now has generic NMOS IS-05 support (connection management). Find more detail at <https://confluence.lawo.com/x/jcUcAQ>.

Known Issues

vsmStudio - Room Tally

The Room Tally functionality intends to introduce a simplified way to assign tally on a per-room basis. This feature is currently visible in a pre-release state. It is neither completed nor supported and **subject to change without notice. Please do not use!**

vsmStudio – Bridging

The “Bridging” functionality intends to introduce a possibility to connect VSM systems. This feature is currently visible in various areas in a pre-release state. It is neither completed nor supported and **subject to change without notice. Please do not use!**

vsmStudio – DMV modules

The modules “Distributed Multi Viewer” and “Distributed Multi Viewer Assist” have been integrated to simplify the setup process of a DMV (Lawo v_matrix). The feature is still under development and not released to public, however, it is currently visible in a pre-release state.

It is not supported until further notice and **subject to change without notice. Please do not use!**

DMS Metering

We've identified issues with DMS metering (from Lawo PowerCores, Sapphires, Crystal, Nova17 devices), which we could not fix prior to this release. A fix will be available as soon as possible. If you use DMS metering in your installation, do not upgrade to Release 2020-2 until further notice.

Software Download

To enable you to update systems with the latest version, this release can be downloaded from our online repository. As always, **before updating, backup your system and refer to the changelogs/release notes** of each component to make sure your system can be updated. Please also make sure to check and understand all changes and especially the known issues listed in the changelogs.

As upgrades may introduce a file format change, which implies incompatibilities of the configuration file of vsmStudio, please make sure to create a backup of your VSM directory before you upgrade.

The download of the final release is available at <https://lawo.com/lawo-downloads/>

Best regards on behalf of the VSM Team,

Axel Kern