

## Release Information

# Virtual Studio Manager – VSM

## vsmGadgetServer Release 5.6.3.141

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This Release introduces new driver implementations, enhancements, and/ or fixes for the vsmGadgetServer application. Please consult the changelog for additional details.  
**Please note that vsmGadgetServer 5.6.3 and higher requires basic authentication (local windows user login) to access the configuration UI.**

Also starting with vsmGadgetServer release 5.6.3.107, new created Ember+ providers will have the **"Single Binding" mode enabled by default**. This means that the provider will only send one binding at a time to the vsmGadgetServer. Also, **the binding alias will not be sent, so the root node of the consumer will become the root node of the provider!**

**Please note that future versions may enforce a single Consumer<->Provider binding, therefore the exclusive use of "Single Binding" mode is strongly recommended!**

### Including

- **Arista CVX [1.0.52.0]**
  - Worked on a race condition related to flow policy updates and parallel flow requests/ notifications.
  - Added a fix when on a connect to the CVX system not all network devices are reported as available; also fixes the missing notification about the interfaces when CVX detects new network devices after a reboot.
  - Worked on performance improvements when processing Redis notifications due to an introduced bug in CVX version 4.31.0F.
  
- **Riedel RRCS [1.1.19.0]**  
[RNDVSM-50263]
  - Fixed a reported issue where the WebUI option "UIC Redundancy Groups" did not accept whitespace characters or the Node separation character ','.
  
- **Simple MQTT Client [1.0.4.0]**  
[RNDVSM-51103]
  - Fixed a bug, when the wrong password is sent during client authentication.
  - Added first draft of authentication and tls support.
  - Added first draft of a simple json payload support.
    - For more details, see the Simple MQTT Client Protocol Documentation.

- **Core Plugins**  
[RNDVSM-51080]
  - Added writeable values to the plugin configuration via the WebUI.
    - Resource Monitoring and Remote Protocol Mapping plugins now support to enable or disable Ember+ Single Binding mode via the webUI.  
This feature is required if current vsmStudio configurations already depend on non-single binding mode.  
To let the change of plugin-settings take effect, a restart is required for already running plugins.

## Software-Download

The latest VSM software release versions can be downloaded from the Lawo Download Center @ <https://lawo.com/lawo-downloads>.

As always, **before updating, backup your system and refer to the changelogs/release notes** of each component to see if your system can be updated. Please also make sure to check and understand all changes, as well as any known issues that may be stated in the changelogs.

A backup of the VSM directory is recommended before upgrade.