VI-GraphSim 20.0 Release Notes

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1 Release Notes

Welcome to the release notes of VI-GraphSim 20.0. The chapter contains information regarding new features, known issues and revision history.
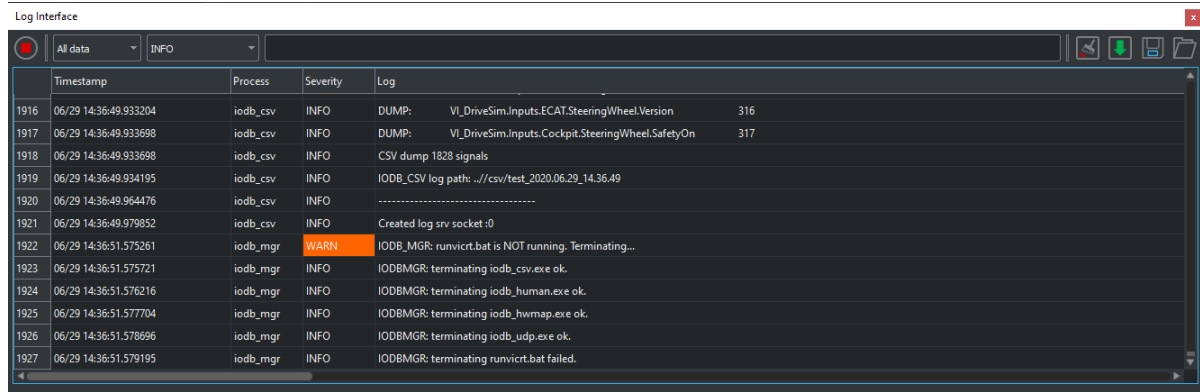
1.1 What's New

1.1.1 Release 20.0

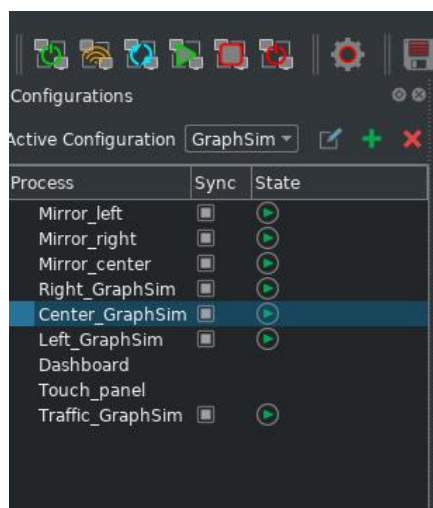• VI-GraphSim is now compatible with HTC Vive Pro head mounted display.

• The VI-GraphSim controller now features a new widget dedicated to collect messaged produced by the simulator modules. The messages are reported including the generation timestamp and their severity.

- Projectors connected to the simulator network are now discovered and included in the host list. As normal hosts also projectors can be switched on and off using the controller functions. Using the contextual menu, it's also possible to retrieve most common projector settings. This release grants support for the following Barco units:
  - F50
  - F70
  - F80

- Previous versions of VI-GraphSim controller granted support for single configuration of hosts, assuming that each host was meant to execute one or more VI-GraphSim instances. With v20 the controller enables the definition of multiple configurations: each one can include different hosts and different processes for each host.

1.2 Licenses

VI-GraphSim 20.0 requires the following set of license keys:

- VI-GraphSim Viewer   `VI_DriveSim_GraphSim`
- VI-GraphSim Virtual Reality Viewer `VI_DriveSim_GraphSim_VR`
- Track specific license   `VI_Track_*`

Note that old track license keys (named as VI_DriveSim_Track_*) are not compatible with this version of VI-GraphSim

Please make sure that you are running VI-grade Licensing version 20.0 or newer (based on LMX server version 4.9.2 or newer).

Please look at VI-Licensing.pdf document for a detailed description of VI-grade's licensing system and how to setup a license server.

This product is patly based on incorporated software libraries. Please refer to the [acknowledgments.pdf](#) document, included in the product documentation for a listing of the adopted components and the respective licenses.

1.3 Known Issues

Please note that VI-GraphSim 20 requires tracks specifically designed for this application version. Tracks developed for v18.x are not compatible with this version. Please contact VI-grade for obtaining contents compatible with 19.x and newer.

Using objects description files (`track_objects.txt`) generated with VI-GraphSim up to version 18.2 may lead to incorrect object visualization due to a bug affecting older VI-GraphSim versions.

1.4 Platform Support

The main application is available for:

- Windows 10 x64

The remote controller module is instead available for:

- Windows 10 x64
- Redhawk 7.x x64

1.5 Revision History

1.5.1 Revision 20.0

Added Capabilities:

Change ID	Module	Description
18761	GraphSim	Disable Edit process when host is not available
17663	GraphSim	Logger widget
17514	GraphSim	Option to run a Visual process with or without VR
14279	GraphSim	Shadow distance tunable from jtrack
11513	GraphSim	Clear performance plot
8050	GraphSim	Option to modify the time window for performance plot
3955	GraphSim	Projector power management

Bugs Corrected:

Release Notes

Change ID	Module	Description
18937	GraphSim	VI-Dashboard starts with black screen if executable fullpath is set
18881	GraphSim	Pdf document is not open
18807	GraphSim	Sync not always set even if process is green
18788	GraphSim	Loopback network card not saved
18712	GraphSim	Incorrect label on show tires button
18566	GraphSim	GraphSim starts as windowed with wrong resolution
17626	GraphSim	Show chassis and tires buttons not activated correctly with respect to 3D graphics

1.5.2 Revision 19.2

Added Capabilities:

Change ID	Module	Description
16242	GraphSim	Different culling distance for layers
14873	GraphSim	Grid with smaller spaces between lines
14595	GraphSim	Ask if the user wants the icon of the desktop at the end of installation
13165	GraphSim	Lap time progress for "res" files
11292	GraphSim	Option to hide and show chassis and tyres
4020	GraphSim	Message "loading..." while loading track and car
2879	GraphSim	Digital Telemetry widget

Bugs Corrected:

Change ID	Module	Description
14592	GraphSim	Json file saved in the wrong path
14591	GraphSim	Image drifts while streaming is not running
14590	GraphSim	Temporal AntiAliasing is not applied correctly
14010	GraphSim	Track camera not loaded correctly at beginning of streaming res file
13141	GraphSim	Black screen on mirrors when skyDomeSize parameter is present in jtrack
11536	GraphSim	Error on mirror Viewer when stopping all visuals from GUI

1.5.3 Revision 19.1

Added Capabilities:

Change ID	Module	Description
11398	GraphSim	Save performance results to file
10548	GraphSim	Both GraphSim 18 and 19 should run properly on the same PC
5489	GraphSim	Multiple Viewer instances for mirrors
4891	GraphSim	Dark GUI style
4451	GraphSim	Viewer resolution and windowed mode should be selectable from the controller
3560	GraphSim	Sound control from Qt GUI
642	GraphSim	Hide and show chassis and tires
524	GraphSim	Multiple visual hosts can be modified by one GUI application

Bugs Corrected:

Change ID	Module	Description

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