PTV Vistro 2023 Release Notes

Last modified: 2023-01-20

2023.00-03 [254299] — 2023-01-20

New Features and Changes

File import / export

- Heavy vehicles: In UTDF import the line 'HeavyVehicles' can now have decimals. Decimal values will be correctly imported via UTDF. **(2285)**

Simulation & ANM

- Previewer: The Vissim previewer was updated to a new version. **(2267)**

Fixed Bugs

Graphical editors

- Object with key already exists: An issue was fixed, where two successive error messages appeared when trying to insert an intersection. The error messages were 'An object with the key ... already exists in the network'. and 'Newly created node does not have an east-, west-, north- or southbound leg.' **(2288)**

Scenario management

- Fixed crash when switching scenarios: A second issue was fixed. This also only occurred when the network optimization tab was open when the scenario was switched. **(2283)**

2023.00-02 [253135] — 2022-12-15

Fixed Bugs

File import / export

- UTDF lanes: Pedestrian volumes are now imported correctly. **(2274)**

Scenario management

- Fixed crash when switching scenarios: An issue was fixed, where Vistro sometimes crashed when a scenario was opened. This only happened in certain networks, and only when the Network Optimization tab was open, while the scenario was opened. **(2273)**

2023.00-01 [252538] — 2022-12-02

New Features and Changes

File import / export

- Egnyte: An issue was fixed that prevented the Egnyte system from seamlessly working together with Vistro. **(2257)**
- UTDF: The UTDF import was extended and improved. The menu entry File ->Import -> UTDF... now opens a dialog that allows an extended file selection from a specified folder. Multiple files and UTDF types can be selected by holding down the shift or control keys or by using the select all/none toggles and imported at the same time. An intersection filter ('Import section') sets the import scope for the file selection set to single or all intersections or to intersections in a coordination group. For Volume UTDFs a filter ('Volume import') sets the import scope for turn movement counts by time and date. The import of UTDF lane group files now also takes into account the data rows 'Lanes', 'Shared', 'Storage', and 'StLanes' attributes. **(2247)**

Fixed Bugs

- Synchro import: An issue was fixed regarding the actuation type of signal controllers. When a signal controller contained pedestrian signal groups, fixed-time controllers where wrongly set to semi-actuated. **(2266)**

Graphic parameters

- Detailed traffic conditions: Vistro no longer crashes, when 'Show Detailed Traffic Conditions' is turned on and the shown section of the network is changed. In earlier versions Vistro could crash while panning in the network. This only happened when there where unused exit approaches. **(2256)**

Simulation & ANM

- Missing signal heads: An issue was fixed, where signal heads were missing in Vissim after an export. This only happened in networks that were imported from Visum. **(2255)**

Traffic control tab

- Signal Coordination Group: After reading merge data, editing the cell 'Signal Coordination Group' did not work correctly. When a low number was selected, the control automatically changed to a larger number. This issue was fixed. **(2253)**

2023.00-00 [249758] 2022-09-22

New Features and Changes

File import / export

- Synchro import: The description of intersections is now imported into Vistro's 'Notes' field, no longer into the 'Intersection' field. **(1941)**
- Synchro: Detector data from Synchro imports has been updated. Previously, on shared lanes, when the right turn was permissive, and through and right movements had different detector data in the Synchro file, the data of the right turn was used. Now, the data of the through movement is used. **(2238)**
- UTDF import: Vistro now supports the import of several UTDF file types: Lane Group Data, Phasing, Timing Plans, and Volumes. These imports are accessible through the File -> Import -> UTDF... menu entry. This feature is experimental and requires extensive user testing to comply with different formatting from data providers and conditions. User feedback is appreciated. The Lane Group Data UTDF currently focuses on volume parameters for providers such as Miovision. Geometric parameters will be added in future service packs. Phasing and Timing UTDFs have been developed for Econolite Centrac imports. An improved import dialog will be coming in a future service pack to improve the import workflow and enable the import of multiple files at one time. For the combined Synchro .csv import, please use the importer under File->Import -> Synchro... **(2202)**

Optimization

- Hill Climbing: The offset of the master controller now remains unchanged. **(2197)**

Simulation & ANM

- New RBC data format: The Vissim (ANM) export now uses the new RBC data format, i.e. it exports files with the extension .prbc. These can be imported using the ANM import in PTV Vissim 2023. The export also issues warnings, if there are controllers that do not run in Vissim due to data problems. It is not necessary to open Vissim for that. The messages are written to the message file (View->Message File). **(2116)**

Trip generation tab

- ITE TripGen: All values entered in the dialog 'ITE TripGen', like Subcategory, Setting/Location etc. are now saved to the Vistro file. The drop-down lists will be repopulated with all of these saved values when the dialog is opened the next time, so calculations can quickly be conducted and data plots reviewed. **(2179)**

Breaking Changes

Optimization

- Hill Climbing: The results of network optimization with Hill Climbing may differ. **(2197)**

- Offset optimization: The results of the network optimization with offset optimization might differ from previous versions. **(2196)**