

Conduit 2.5.2 Release Notes

Application Modules

New Application Modules

- Showcase 2008 by Autodesk
- SolidWorks 2008 by Dassault Systemes
- Flexsim 4 by Flexsim
- Google Earth 4.2 by Google
- Google Sketchup 6 –by Google
- SolidEdge v20 by Siemens PLM Software

Updated Application Modules

- Pro/ENGINEER Wildfire 3 by PTC (updated) – Conduit now automatically uses the perspective view mode on the display nodes (properly rendering the model across all windows and cluster nodes). The user is no longer required to change Pro/ENGINEER model view settings.

Prototype Application Modules Now Available

- Celestia 1.5 (demo only)
- Dryfork 2.0 by Dryfork Media Corp. (demo only)
- Blender Game Engine Player 2.45 (demo only)

Conduit Core

VisTool

- Added a visible origin (color coded axis) in the 3D view.
 - X axis = Red Line
 - Y axis = Green Line
 - Z axis = Blue Line
- Positive axes are solid lines, negative axes are dotted lines.
- As the user modifies the configuration, the presence of the origin provides a stable frame of reference for determining whether walls and tracker systems are placed correctly within the environment.

Cluster Manager

- "No Wiggle" Enhancement - Adjusting the Control GUI visualization parameters now immediately affects the back end players without requiring interaction in the front end application.

Control GUI

- Default settings for the World to OpenGL Scale are now set based on the application module. Where the application module has a default value, that value is used. Where there is no application-specific default, the default will be 1.0.
- New navigation type supported: Aim and Go
 - Using a tracked controller, Aim and Go allows the user to 'point' the controller at the display and use the buttons and sticks to move in the direction the controller is pointing.
- Navigation type removed: GoogleEarthJoystickFly
 - GoogleEarthJoystickFly has been removed for this release. We anticipate that it will be restored with the next release of Conduit.
- The default Rotation Scale has been changed to 0.2.
 - This provides a slower rotation speed. This value can be found in the Control GUI on the Navigation tab (Rotation section "Scale" field). Previously, the default was 0.5.
- NEW: Save Configuration Settings
 - It is now possible to save the configuration settings (as they are set in the Control GUI) to a file. This will allow the user to save settings on a per-dataset and/or per-application basis.
- Under the File menu, there are 3 new options:
 - Open Configuration... (prompts to save current settings, then allows user to open)
 - Save Configuration (saves current settings)
 - Save Configuration As...(saves current settings with new filename)
 - The following Conduit Control GUI settings are saved:
 - Navigation Tab: Type, Translation (Scale/Dead Zone), Rotation (Scale, Dead Zone)
 - Visualization Tab: World to OpenGL Scale, Clipping (Near Plane/Far Plane)

Display Node (back end)

Added Support for Wobulation Stereo (3D TV) display nodes.

Application Node (front end)

User Notifier

- Messages are now limited to 255 characters in length. Previously, long messages in the user notifier caused the user notifier application to fail. Typically, long messages were created by flexlm (licensing software).

trackd

- A trackd patch kit is included with this release to support DirectX devices and support for VisTool.