

ADvantage 8.4.0.12 Update Summary

1 Minor Fixes / Enhancements

This update includes ~60 minor enhancements and fixes:

- Additional Python function support in ADvantageDE.
- When starting SIMplotterSAS from ADvantageVI, information is now provided to SIMplotter so that the DAS connect port is known and selectable.
- ADvantageVI now has a menu choice for starting the SAS version of the Event Viewer. When launched, the UDP port numbers for all node(s) are automatically used by the Event Viewer.
- Performance improvements have been made to ADvantageVI related to the Statistics and Device Browser views.
- ADvantageVI now can re-use deleted Override entries without having to perform an Update Setup.
- Several documentation improvements

2 Major Enhancements

This update includes several performance and robustness improvements to the rtX runtime including:

- The rtX runtime code has been enhanced to better handle cases where it would hang – infinite loops, segmentation faults, loss of external clock, etc. ADvantageVI should now be able to continue communications with the target.
- The rtX runtime code has been modified so that the host command processing (probe) now is called repeatedly during the frame idle time rather than just once per frame.
- For stand-alone remote distributed nodes, external dictionaries are no longer compiled into the simulation executable, but are now transferred via FTP to the target and read in. This reduces the likelihood of mismatches, eliminates the need to rebuild in ADvantageDE, and also allows for shared dictionaries on remote nodes.

Devices / Drivers

Changes / improvements have been made to the following devices:

- Several DB related logical devices fixes (note: this update is paired with ADvantageSAS update 1.0.2.9)
- A few fixes and improvements to the ARINC-429, 5500-IOP CAN, ARINC-717, and distributed Ethernet logical devices.
- Support has been added for the MOXA serial board.

Please refer to the release notes for detailed information.

<https://www.adi.com/downloads/ADvantage8.4/ADvantageReleaseNotes.htm>