

AWIPS II Topic of the Week -- The New GFE Architecture

All:

We are continuing to see our new architecture take shape. With TO-9 we have our first detailed look at the new GFE. GFE now consists of Plug-ins added to the EDEX and a Plug-in to the CAVE coupled with micro-Engine scripts. AWIPS I's ifpServer functionality has been integrated into the EDEX as a Plug-in to the Mule ESB. The GFE GUI is a "perspective" in CAVE and is written as an Eclipse RCP Plug-in. The micro-Engine scripts access the functions in the GFE EDEX plug-ins to read and write data to the ifps database and for other low level functions. SmartInits are kicked off by the "Quartz" timer, which is like a cron integrated into the Mule ESB. Because Raytheon has enabled Python within AWIPS II (a very clever bit of coding by the software developers), existing SmartTools should continue to work with minimal effort. The TO-9 delivery includes 26 of the SmartScript functions needed to support SmartTools. Although this is not all the SmartScript functions we need to support our SmartTools, it is a start. All sites can install TO-9, and test a few of their tools, in preparation for being able to continue testing when more are delivered. So take a look and let us know what you find.

.... and yes, last weeks title was a cut a paste error, it should have been "Ensuring Software Quality"

Thanks

Edwin

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