

## CS-Studio Display Builder Upgrade

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CS-Studio's 'BOY' may well be the most prominent component of the toolset. It's used in production at many sites, its feature set is quite complete. Still, there is always room for improvement. The display builder project aims for the design and development of an upgrade that is highly compatible, specifically reads existing \*.opi files, but with more modular code that removes our dependence on GEF, SWT, and the UI thread. Initial demonstrations show performance gains of JavaFX over SWT especially Linux, plus a general move of the data pipeline to background threads instead of blocking the user interface thread

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