Technical Support
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VXIplugandplay G Style Drivers

KEYSIGHT TECHNOLOGIES

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Contents

There are two basic types of VXIplugandplay instrument drivers. There are drivers based on textual languages such as C and there are drivers based on the G graphical language (LabView Language). The textual language drivers are used in the WIN, WIN95, WINNT, and UX Frameworks. The G drivers are used in the GWIN, GWIN95, GWINNT, and GHP-UX Frameworks. The main difference between the two driver types is that textual language drivers run in all Application Development Environments where G drivers are only supported in LabView.

Keysight (and almost all other instrument vendors) has chosen only to provide textual framework drivers because these drivers follow open standards developed by the computer industry. These drivers run in all Application Development Environments including VEE, C/C++, Visual BASIC, and LabView! Using textual based drivers allows Keysight to provide one type of driver that works in all environments. G drivers in contrast only work in LabView.

VXIplugandplay G instrument drivers work slightly better in LabView than textual framework drivers because they are written in LabView's native language and provide customer's with a data flow model that they are accustomed to using. Only National Instruments and third party companies are interested in developing VXIplugandplay G based instrument drivers. Most instrument vendors are just developing textual based VXIplugandplay style instrument drivers that work in all environments.

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