Automating
IDE Setup

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About Q

Feel Free to call me "Q"

- I got the nickname for both the Star Trek and James Bond references
- Work of the Aerospace and Defense Industry
  - First at ATK (Now Northrup Grumman)
  - Now at Hill Air Force Base
- LabVIEW Consulting as Q Software Innovations

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LabVIEW**Wiki.org**: Q

Twitter: @QSI_Q

NI Community Forums: TheQ

LAVA Forums: The Q

stack**overflow**: TheQ

Overview

- What do I need to setup? (THE CHECKLIST)

- Automating

The Checklist

What do I need to setup? (after LabVIEW install)

To Do	Item
	Install IDE Level Packages (VIPM, NIPM)
	Quick-Drop Keyboard Shortcuts
	Custom Bookmark Managers
	Right-Click Menu Add-ons
	VI Analyzer Custom Tests and Configurations
	Templates or Edited Templates
	LabVIEW INI Flags/Settings
	LabVIEW INI Shortcuts

Quick Drop Keyboard Shortcuts

- **Where to install?**
  - [LabVIEW]\resource\dialog\QuickDrop\plugins (globally for all uses on the computer)
  - [User Documents]\LabVIEW Data\Quick Drop Plugins (per user)

- **How to automate install?**
  - As a VIPM package, requires Pro Version ($$) to automate
  - Direct Copy

Custom **Bookmark Managers**

- **Where to install?**
  - [LabVIEW]\resource\dialog\BookmarkManager\managers

- **How to automate install?**
  - As a VIPM package, requires Pro Version ($$) to automate
  - Direct Copy

Right-Click Menu Plugins

- **Where to install?**
  - [LabVIEW]\resource\plugins\PopupMenus (globally for all uses on the computer)
  - [User Documents]\LabVIEW Data\Popup Menus (per user)

- **How to automate install?**
  - As a VIPM package, requires Pro Version ($$) to automate
  - Direct Copy

VI Analyzer Custom Tests and Configurations

- **Where to install?**
  - [User Documents]\LabVIEW Data\VI Analyzer Tests (per user)

- **How to automate install?**
  - As a VIPM package, requires Pro Version ($$) to automate
  - Direct Copy

Templates

- **Where to install?**
  - Project Templates
    - [LabVIEW]\ProjectTemplates (globally for all uses on the computer)
    - [User Documents]\LabVIEW Data\ProjectTemplates (per user)

  - Class Accessor/Static/Dynamic Member Templates
    - [LabVIEW]\resources\Framework\Providers\LVClassLibrary (search for the *.vit files)

- **How to automate install?**
  - As a VIPM package, requires Pro Version ($$) to automate
  - Direct Copy

INI Flags & Quick Drop Shortcuts

- **Where to install?**
  - [LabVIEW]\LabVIEW.ini

- **How to automate install?**
  - Use the library located in [LabVIEW]\resource\dialog\lvconfig.llb
  - Favorites include:

    - autoResizeScrollbar (see my other presentation)
    - FancyFPTerms
    - sourceOnlyDefaultForNewVIs
    - reqdTermsByDefault
    - showBDConstName
    - useNumbersForNewVIIcons
    - EnableAutomaticErrorHandling
    - defaultErrorHandlingForNewVIs

    - autoInsertFeedbackNode
    - DefaultLabelPositionBD
    - DefaultLabelPositionIndBD
    - server.viscripting.showScriptingOperationsInEditor
    - SuperSecretPrivateSpecialStuff
    - SnapGridShowsOnBlockDiagram
    - structuresFadeToDiagramBeneath
    - QuickBold (not needed in >LV2019)

(see https://labviewwiki.org/wiki/LabVIEW_configuration_file for more info)

Summary of Links

Where do I go again?

G Community Links

- Presentation: **CLA Community Forum**

- Source: **https://gitlab.com/QSI_Shared_Code/labview-ide-setup.git**

Summary of Links

G Community Links

- **www.gcentral.org**   **Independent** Source to find G Libraries **(coming soon)**

- **www.lavag.org**   **Independent** Source for G Discussion

- **www.labviewwiki.org**   **Independent** G Knowledge Base

- **www.gpackage.io**   **Independent** G Packager/Repository

- **www.gdevcon.com**   **Independent** Graphical Programming Conference