

10 IDE Setup

Personalizing a fresh install of LabVIEW and/or aligning your settings with those of your team mates goes a long way towards easier collaboration.

LabVIEW

LabVIEW.ini settings

Where Does LabVIEW Store Configuration Settings?

LabVIEW Wiki: [LabVIEW Configuration File](#)

```
QuickBold=True
bookmarkmanager.showvilib=True
bookmarkmanager.showresource=True
defaultErrorHandlingForNewVIs=False
sourceOnlyDefaultForNewVIs=True
QuickDropFastSearch=True
FancyFPTerms=False
reqdTermsByDefault=True
returnKeyAction=True
enableAutoWire=False
autoRouteWires=False
StructuresAutoSizeByDefault=False
DropSubdiagramLabelByDefault=True
allowItemsViewDelete=True
DefaultLabelPositionIndBD=4
DefaultLabelPositionBD=12
defaultControlStyle=2
useNumbersForNewVIIcons=False
autoInsertFeedbackNode=False
autoLayoutBlockPaddingX=25
autoLayoutBlockPaddingY=30
autoLayoutWirePaddingX=10
autoLayoutWirePaddingY=10
autoLayoutFixControls=True
autoLayoutFixIndicators=True
skipNavigatorDialog=False
server.tcp.access="+127.0.0.1;+localhost;+*"
showBDConstName=True
LVdebugKeys=True
DragAdjustWires=False
NI.LV.RemoveNoError=True
server.viscripting.showScriptingOperationsInEditor=True
```

More to be found at [The LabVIEW Lab](#).

Other LabVIEW Settings

- Change default names for accessors from “Read” & “Write” to “Get” & “Set”
 - Original location:
[LabVIEW20xx]\resource\Framework\Providers\LVClassLibrary\CLSUIP_LocalizedStrings.vi
 - LV2025Q3 and later:
[LabVIEW20xx]\resource\Framework\Providers\LVClassLibrary\NewAccessors\CLSUIP_LocalizedStrings.vi

VI Packages

- [Bookmark Project Provider](#)
- [Caraya unit Test Framework](#)
- [Cyclic Table Probes](#)
- [Delacor QMH](#)
- [Epoch Date & Time](#)
- [Hidden GEMs in vi.lib](#)
- [HSE Error Code Helper](#)
- [HSE Layout Manager](#)
- [HSE Logger](#)
- [HSE State-Machine Parser](#)
- [HSE WoW: Glyphs and Icon Templates](#)
- [HSE WoW: LabVIEW Settings](#)
- [HSE WoW: QuickDrop Plugins](#)
- [HSE WoW: Timing Probe](#)
- [HSE WoW: VI Analyzer Tests](#)
- [HSE WoW: VI Templates](#)
- [HSE-ify DQMH Tool](#)
- [JDP Science Common Utilities](#)
- [JKI State Machine](#)
- [JSONtext by JDP Science](#)
- [Right Click Plugin Bugfix](#) (removed since LV2020)
- [LabVIEW Open Source Palette](#)
- [NI Bookmark Manager](#)
- [Open DQMH Request Message Diagram](#)
- [Some openG Libraries](#)
- [ZAlign](#) (removed since LV2020)
- [QuickDrop AddLabels](#)
- [VI Properties Editor](#)
- [ZE DQMH Provider for the Project](#)

VI Icons and Glyphs

- [Little Helper](#)

Quick Drop Plugins

[Getting started with custom quick drop shortcuts](#)

CTRL-Key Shortcuts

These QD plugins are installed via our WoW:

Shortcut	Plugin Name
S	Align Elements (matrixx5687)
A	Align to Connector Pane (RoboticsME)
G	Create VI Template (dnatt)
I	Insert from Clipboard (hooovahh)
J	JSON to Cluster - QD (Fred_V)
H	Nattify_HSE_Flavour (dnatt)
P	Replace from Clipboard (DanyAllard)
F	Show VI in Win Explorer (David_L)

These QD plugins are distributed with LV or via installed VI packages:

Shortcut	Plugin Name
Q	Add Labels (Martin Nöhrer)
M	Bookmark QD Plugin (Greylock Tech.)
X	HSE Error Code Helper
L	HSE State-Machine Parser
E	Launch DQMH Tool
T	Move Labels
R	Remove and rewire
O	Reset to Origin
U	Run Project Unit Tests (Caraya)
K	Set Text Icon
B	VI Server Rename
D	Wire All Terminals
W	Wire Multiple Objects Together

Block Diagram (inserts)

Text	Object to insert
hi	HSE Logger INFO VI
hd	HSE Logger DEBUG VI
hw	HSE Logger WARNING VI
he	HSE Logger ERROR VI
ht	HSE Caraya Unit Test Template

Custom Probes

[Creating Custom Probes](#)

[LavaG Custom Probes Repository](#)

- Timing Probe:
<https://forums.ni.com/t5/LabVIEW/Darren-s-Occasional-Nugget-02-23-2018/m-p/3759109>

- Further useful probes are included in the VI-Packes JSONText and SQLite from J. Powell.

VI Templates

- [Caraya UT Template](#)

VI Analyzer Tests

We can install custom VI Analyzer tests.

HSE WoW .vipc

We've created a .vipc (a VI Package Configuration file) that automates all of the above for ourselves and for our customers:



Please feel free to **contact us** if you are interested in a customized WoW VI Package for your team.



Other Resources

These are items that are not part of our WoW .vipc.

Shortcut Menu Plugins

[LabVIEW Shortcut Menu Plug-Ins Forum](#)

- [Darren Nattinger's Favorite Shortcut Plugins](#)

Do we need to include them in [lv.ini](#)?

Git Setup

see our page about [Fork Setup](#) and [SSH Setup](#). When working on multiple (virtual) machines, the easiest way is, to maintain only one pair of ssh-keys. Keep the default name and store them in a central, but safe place and distribute it to all machines and SCCM providers.

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