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Genero User Interface Desktop Clients

Genero BDL 3.10
Genero Studio 3.10

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January 2018

Clients

The two main GUI clients for Genero are:

Genero Desktop Client – GDC

A thin client application for a native look-n-feel on Windows, Mac and Linux desktops.

Genero Browser Client – GBC

A client for running in a modern browser.

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GDC

The Genero Desktop Client is a graphical front end to the Genero Runtime System. GDC must be installed and running on the client computer (Windows, Linux, or Mac desktops).

GDC supports connections to the Runtime System using http, https or ssh(1 or 2).

You can create shortcuts to connect to servers and run applications
You can set up and play back log files.

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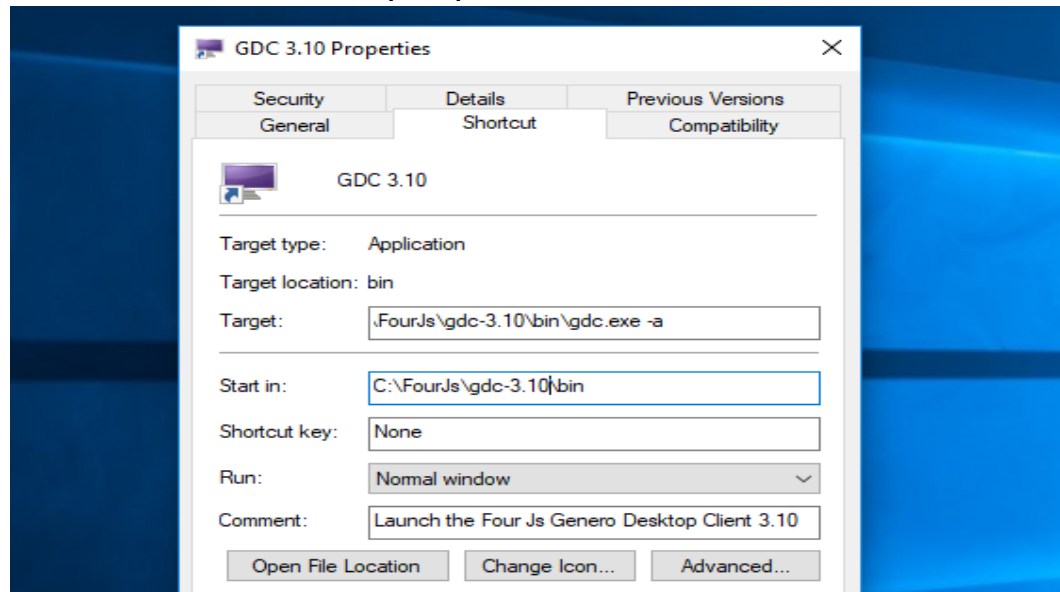The Power of Simplicity

GDC - Modes

User mode & Admin mode

By default, GDC starts in user mode.

By adding `-a` or `-admin`, GDC starts in administration mode.

To create shortcuts or modify options, start GDC in administration mode.

GDC 3.10 Properties ×

Security	Details	Previous Versions
General	Shortcut	Compatibility

GDC 3.10

Target type: Application

Target location: bin

Target: `\FourJs\gdc-3.10\bin\gdc.exe -a`

Start in: `C:\FourJs\gdc-3.10\bin`

Shortcut key: None

Run: Normal window

Comment: Launch the Four Js Genero Desktop Client 3.10

[Open File Location] [Change Icon...] [Advanced...]

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GDC – Command Line Arguments – See Manual

TABLE 1. GENERO DESKTOP CLIENT COMMAND LINE OPTIONS: INFORMATION.

This table presents Genero Desktop Client command line options. Some options share the same attribute and description - these options are interchangeable.

Option	Parameter	Description
-h		Displays About Box and exits.
-V		
--Version		
-c		Defines an additional configuration file. See Apply an additional configuration file.
--config		

TABLE 2. GENERO DESKTOP CLIENT COMMAND LINE OPTIONS: NETWORK, SYSTEM.

This table presents Genero Desktop Client command line options. Some options share the same attribute and description - these options are interchangeable.

Option	Parameter	Description
-n		Starts a new instance of Genero Desktop Client.
--new		
-p	new_port	Genero Desktop Client will listen on the first available port starting with *new_port*.

GDC – Stored Settings

Some graphical settings are stored by GDC.

Windows:
Settings are stored into the registry under
\HKEY_CURRENT_USER\Software\Four J's Development
Tools\GDC

Unix and MacOS:
An internal system is used to store data.

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GDC – Stored Settings

Stored Settings:

- Position of the upper left corner of the top-level window
- State of the top-level window (Maximized, …)
- StartMenu section width if the StartMenu is defined as a tree
- Table width
- Initial number of rows of a table when displayed the first time
- Number of columns of a table when the window is closed
- Number of rows of a table when the window is closed
- Column and the direction used to sort the table
- Width of each column
- Number of columns and their order in the table
- Text linked to these columns and its visible attribute
- Height and width of textedit fields

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GDC – Stored Settings

Some features of the GDC are defined as "local actions":
Actions dependent on the DVM, but concerning local behavior, like the navigation in a table.
Completely local actions, such as cut, copy, or paste.

Local actions follow the same rules as Runtime System actions, but they are created by the Desktop Client instead of the Runtime System.
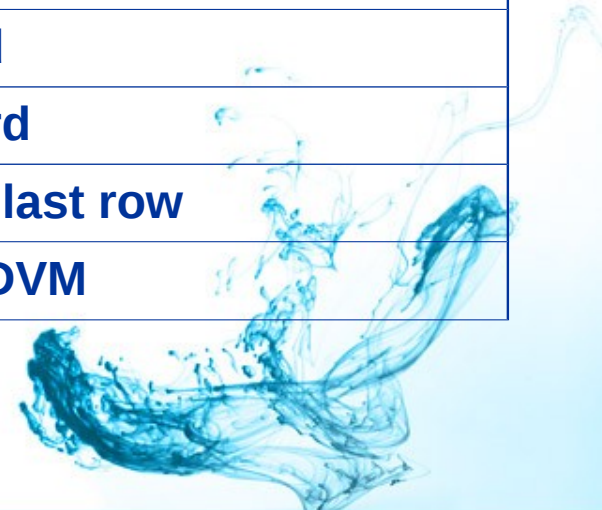A local action may send events or information to the Runtime System.

NOTE : Local Actions are a deprecated feature and are only supported by the GDC front-end for backward compatibility. Avoid binding action views with the action names listed in the next table. Avoid also changing the action defaults attributes such as accelerators, for these actions.
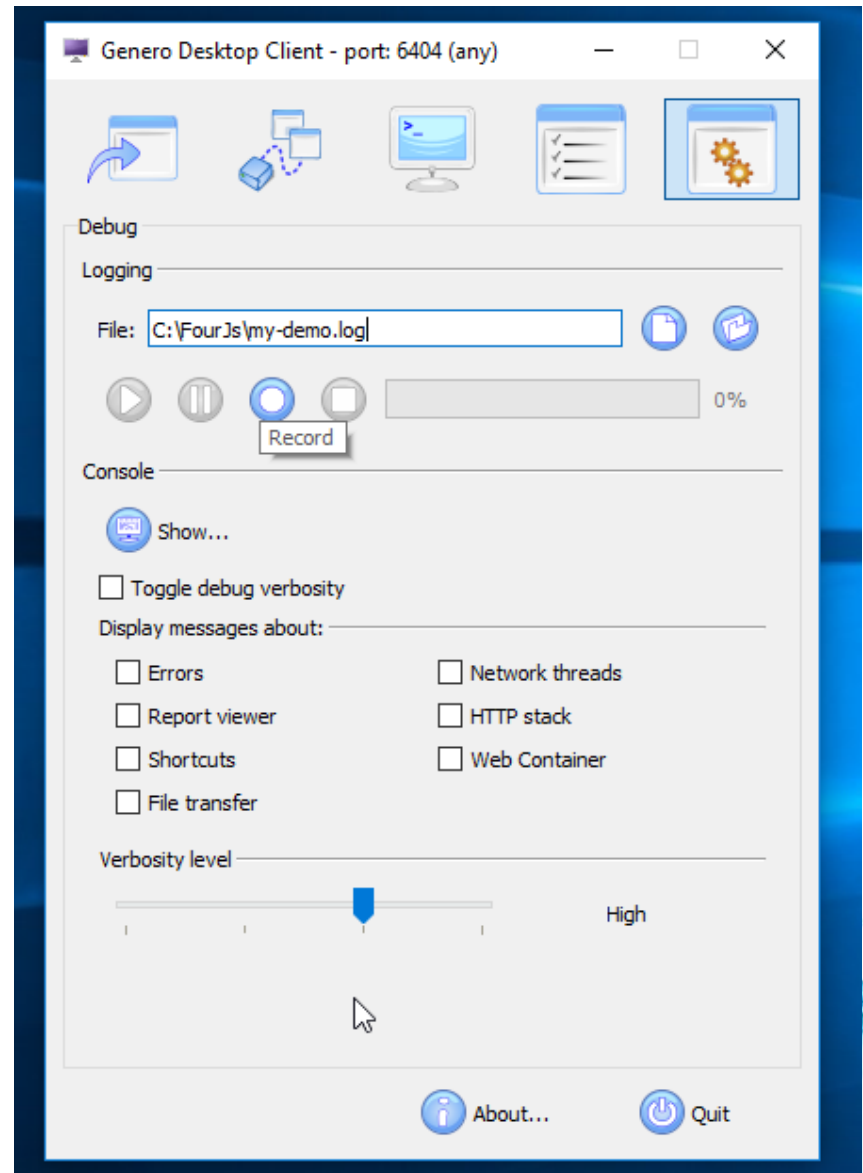
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GDC – Stored Settings

Name	ShortCut	Definition
editcopy	Ctrl-c	Copies the selected text into the clipboard
editcut	Ctrl-x	Moves the selected text into the clipboard
editpast	Ctrl-v	Pastes the content of the clipboard into the current field
nextfield	Tab	Moves the focus to the next field
prevfield	Shift-Tab	Moves the focus to the previous field
firstrow	Home	Moves the focus to the first row
prevpage	Page Up	Moves one page back
prevrow	Key Up	Moves one row back
nextrow	Key Down	Moves one row forward
nextpage	Page Down	Moves one page forward
lastrow	End	Moves the focus to the last row
interrupt		Sends interrupt to the DVM

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GDC – Logs

You can record and playback logs of the AUI protocol. This is especially useful for logging a support case that relates to a UI specific issue.

GDC – Summary

- GDC can be installed on the client as a graphical front end to the Runtime System

- GDC supports connections to the Runtime System using http, https or ssh(1 or 2).

- Some user interactions with the GDC are local actions.

- Some graphical settings are stored by the GDC.

- The GDC can record and playback logs.

- You can start the GDC with various flags.

  - You must start the GDC with the `-a` flag to create log files and shortcuts.

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GBC – Summary

- The GBC is installed on the server and is supplied as part of the Runtime System

- The GAS is used to run the GBC in a browser

- The GBC can be customized either with just simple theme changes for completely changed by extending and replacing the HTML/JS/SASS for various widgets.

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