SGConfig is a PC software-based user interface that allows users of GE Substation Gateways to efficiently manage configuration files for the D20, D20MX, D25, iBox series of substation controllers and for the D400 and DMC490 Gateway devices.

SGConfig 11.1 includes all the functionality available in the ConfigPro software, provides enhanced visual representation of your substation hardware configuration and device software configuration.

SGConfig™ version 11.1 encompasses all the features of the following software products:

- SGConfig 11.0 and prior.
- ConfigPro™, the previous configuration tool for the GE Grid Solutions D20*, D200*, D25*, and iBox* product lines.
- D400™ Utilities version 3.0.0 and earlier releases of the IEC 61850 Loader.

Before Installation

**NOTICE**

To ensure the best user experience, it is highly recommended that you install the Microsoft™ Excel add-in. This Excel add-in only works with the 32-bit versions of Microsoft™ Excel. Installation of the Microsoft™ Excel add-in is provided as an SGConfig installation wizard option.

This version of SGConfig supports D20MX v1.8 firmware.

Introduction of DS Agile Studio (DSAS)

Please note that SGConfig 11.1 will likely be the last version of SGConfig. Towards the end of 2018, DS Agile Studio (DSAS) will be introduced. DSAS will include: **D2x Studio**, for configuring the D2x devices (D20MX, D200, D20ME, D25, IBOX, etc), and **MCP Studio**, for configuring D400 and Multi-Function Controller Platform devices (G500, etc).

DSAS will also feature speed improvements, advanced editor capabilities, and other new features. Please contact multilin.tech@ge.com if you would like to join the DSAS beta program, for an early preview of the software.

SGConfig v11.1 Enhancements

- Added support for side-by-side installation of DS Agile Studio (DSAS)
- Eliminated the need to reboot after an upgrade install.
- Reduced the time required to perform an upgrade unstill.
- Restored the ability to display programs on multiple processors/partitions in the LogicLinx 32-bit editor.
- Added support for specifying the default custom LogicLinx library in the LogicLinx 32-bit editor and optionally using this when opening LogicLinx programs migrated from the 16-bit editor.
- Added support for including custom LogicLinx libraries when exporting a solution to the file system in the LogicLinx 32-bit editor.
- Added support for migrating certain ConfigPro archives with missing Paradox tables.
SGConfig v11.1 Resolved Issues

- Resolved an issue where using the D20MX “Firmware & Config Update” command would result in a “Length cannot be less than zero” error on certain computers.
- Addressed problem that prevented the Firmware & Config Update operation from completing on D20MXv1.10 devices.
- Addressed problem with opening LogicLinx SFC and Ladder programs.
- Addressed problem that caused an ACP error to be displayed when using the LogicLinx 32-bit editor.
- Addressed problem that caused a death signal exception to occur after an ACP error was displayed in the LogicLinx 32-bit editor and the configuration was downloaded to a D20/D200 device.
- Resolved an issue where Functional Block diagram programs were converted to a Structured Text program in LogicLinx 32-bit Editor
- Resolved an issue where SGConfig was unable to be restored by clicking on the taskbar icon after being minimized
- Resolved an issue where SGConfig extracts the package for D400/DMC490 every time an operation is performed on the respective device after a restart is done to SGConfig. It only extracts the D400/DMC490 package once after installation.
- Resolved an issue where the D400/DMC490 devices offline/online editor is launched in a small window in the top left corner of the application
- Resolved an issue where the D400/DMC490 Offline Editor appears in front of other applications opened when the user is alternating between SGConfig and other applications through ALT+TAB buttons from the keyboard
- Resolved an issue where the recreation of a D2x device from UPL file continued to execute in a loop during the “Rebuilding application tables” process
- Resolved an issue where it was not possible to map DNP DPA points in the Advanced Editor

Microsoft® Windows® OS Support

SGConfig 11.1 supports the following operating systems:
- Microsoft Windows 10 Professional, all versions with 4 GB RAM.
- Microsoft Windows 7 Professional, Enterprise and Ultimate 32-bit with 4 GB RAM.
- Microsoft Windows 7 Professional, Enterprise and Ultimate 64-bit with 4 or more GB RAM.

**NOTICE** SGConfig 8.5 was the last version of SGConfig with support for Windows XP.

Support is not provided for versions of this product that are installed on operating systems other than those identified above, as the operation of this product has not been verified for any other combinations of operating systems.

Firewall Exceptions

Users are notified of and can approve the creation of any firewall exceptions required for the correct functioning of the SGConfig 11.1 application.

LogicLinx 32-bit Editor Version 3.21

The LogicLinx 32-bit editor:
- Can be used on all Windows operating systems including 64-bit versions
- Does not require SGConfig to be run in elevated mode (i.e., run As Administrator)
- Can compile all programs supported by the LogicLinx 16-bit editor except for the following program types which cannot be created or modified:
  - Instruction language (IL)
  - Function chart (FC)
- Can create and modify programs that can be opened and modified by the 16-bit editor provided these programs do not exceed the limitations of the 16-bit editor
LogicLinx 32-bit editor upgrade from v3.0/v3.1/v3.2 to v3.21
Upgrading from LogicLinx Editor 3.0/3.1/3.2 to 3.21 can be performed during the installation of SGConfig 11.1 or by using the Upgrade LogicLinx 32-bit Editor shortcut after installing SGConfig 11.1. These installations manage the entire upgrade from v3.0/v3.1/v3.2 to v3.21, and no uninstall of components is necessary.

In addition, all licenses from v3.0/3.1/v3.2 will work with v3.21 at no additional cost.

Evaluation license
The LogicLinx 32-bit editor is delivered with a 60-day evaluation license.

There is a difference between the evaluation license start dates for the LogicLinx 16-bit editor and the LogicLinx 32-bit editor. The LogicLinx editor evaluation license starts:

- Immediately when the LogicLinx 16-bit editor is installed and is available for a 30-day period.
- The first time the LogicLinx 32-bit editor is launched and is available for a 60-day period. That is, the evaluation period does not start when the LogicLinx 32-bit editor is installed.
- After the evaluation license expires, you are not able to use the LogicLinx 32-bit editor. To resume use of the LogicLinx 32-bit Editor, you will need to purchase a Software license or a USB dongle.

Purchase a LogicLinx 32-bit Editor License
You can order the LogicLinx 32-bit editor as either a:

- Software license
  - A software license can only be used on a single computer.
  - Evaluation and Software licenses are obtained through the SGConfig Global System Preferences > Licensing tab.

  or a

- USB dongle
  - A USB dongle can be used on multiple computers.
  - USB dongles are obtained by contacting GE Grid Solutions sales at: sales.gridsolutionsap@ge.com.

Frequently Asked Questions

Q1: Are configurations created in ConfigPro and earlier versions of SGConfig compatible with SGConfig v11.1?
A: Existing configurations created using any version of ConfigPro, and earlier versions of SGConfig can be converted to SGConfig v11.1 format.

  Configurations created in SGConfig cannot be used in ConfigPro.

  Configurations created in SGConfig 11.1 can be used in 11.0 and can be archived in 10.0 format for use in SGConfig 10.0 but cannot be used in versions of SGConfig earlier than 10.0.

Q2: Where are the Application Definitions stored in SGConfig?
A: Application definitions are stored in the SGConfig database. SGConfig is provided with a complete set of the application definitions for all applications including latest versions as of the date of the release of the SGConfig Software. New applications and enhancements for existing applications are continuously being developed. Please visit GE Grid Automation technical support website for information on product updates. New application definitions can be imported using the Migration Wizard.

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Q3: Are configurations stored in a single default directory, as they are in ConfigPro?
A: One of the main differences between the legacy ConfigPro Setup software and SGConfig is the internal architecture of the product. ConfigPro is based on a file system for archival of configuration data. To enable long term product sustainability and expandability of the SGConfig software, the architecture of the setup software was re-designed to operate using a database architecture for data management. Configurations in SGConfig are stored inside of the repository of the SQL Database and a single external file.

Q4: Can a configuration built in SGConfig v11.1 be used in earlier versions of SGConfig?
A: Partially. The design of SGConfig v11.x is slightly different from that of previous versions of SGConfig. While configurations built in earlier versions of SGConfig can be restored in SGConfig v11.1, configurations built in SGConfig v11.1 have the following restrictions:
- SGConfig 11.1 configurations can be used in SGConfig 11.0 without any restrictions
- SGConfig 11.x configurations can be saved in SGConfig 10.0 format for use in SGConfig 10.0.
- SGConfig 11.x configurations cannot be used in versions prior to SGConfig 10.0.
- SGConfig configurations cannot be used in ConfigPro.

Additional Information
For more detailed information on the SGConfig v11.1 release, see the SGConfig 11.1 tool > Getting Started > Release Notes.
For more information on the new features provided in SGConfig v11.1 release, see the SGConfig online help Contents tab > SGConfig book > What's New topic.
Visit GE Substation Automation technical support website for software updates: http://sc.ge.com/*SASTechSupport

Product Support
If you need help with any aspect of your GE Grid Solutions product, you can:
- Access the GE Grid Solutions Web site
- Search the GE Technical Support library
- Contact Technical Support

GE Grid Solutions Web Site
The GE Grid Solutions Web site provides fast access to technical information, such as manuals, release notes and knowledge base topics.
Visit us on the Web at: http://www.gegridsolutions.com

GE Technical Support Library
This site serves as a document repository for post-sales requests. To get access to the Technical Support Web site, go to: http://sc.ge.com/*SASTechSupport

Contact Technical Support
GE Grid Solutions Technical Support is open 24 hours a day, seven days a week for you to talk directly to a GE representative.
In the U.S. and Canada, call toll-free: 1 800 547 8629.
International customers call: +1 905 927 7070
Or send an e-mail to: multilin.tech@ge.com
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Document Revision History

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