CIMPLICITY 11

Important Product Information

We want to hear from you. If you have any comments, questions, or suggestions about our documentation, send them to the following email address:

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Important Product Information

Chapter 1. Important Product Information

What's New in CIMPLICITY 11

The HMI/SCADA CIMPLICITY v11.0 release includes the following new features and enhancements.

Component	Feature Description
Alarm Setups	• Text filtering (substring, wildcard, and regular expression) is now allowed on the Alarm ID, Alarm Message, and Alarm description fields. • Alarm description has been added as a Alarm viewer column. • The CIMPLICITY Alarm Viewer API contains two new classes: ◦ CAmvFieldFilter ◦ CAmvFieldFilterList • The AlarmInfo structure for the CAmvConn class has a new member - alarm_description. • The class AMAPEXPORT CAmvConn has a new member - CAmvFieldFilterList*.
Basic Control Engine/ Scripting	• In the Event Editor, when you configure an event, you can now run scripts in threads from a thread pool. • You can automatically calculate the thread pool size or set a fixed thread pool size. • When a configured event with a script action is triggered, you can choose to execute the script in sequence or in parallel.
CimEdit	• For a text object, you can now choose the data entry type for the display value. ◦ Read Only Expression ◦ Read/Write Point ◦ Read/Write Variable • When configuring a CimEdit procedure, an action type has been added to evaluate an expression and assign the evaluated value to a variable. • You can now use Shape Attributes to create animations for objects at run time by configuring expression functions. • You can perform Digit Grouping to integer and real display formats to add the thousands separator to the result of an expression evaluation. • You can use text format functions, such as FormatReal and FormatInt in expressions to assign precision to real and integer point values. • You can now use the upgraded Expression Builder to create an expression using points, class data items, or Historian tags.
CIMPLICITY	• CIMPLICITY supports Windows Server 2019 • CIMPLICITY works with Database configurations using SQL 2016 AlwaysOn with the exception of the Tracker Attribute Database (TADB) functionality. • The latest Specifications/Toolkits for UA Server/Client/GDS have been updated.

Component	Feature Description
CIMPLICITY API tool kit	CIMPLICITY supports Microsoft Visual Studio 2017. Note: Use Microsoft Visual Studio 2017 to recompile all programs that use APIs.
Database Logger	You can use the CIMPLICITY Database Logger to record a project's status log messages to the COR_LOG database table in addition to the cor_recstat.cl2 file in the project's \log directory.
Points	The Change Approval UI has been enhanced to show the current value of the point being considered for change alongside the new value.
SCADA Web Configuration	You can now use CIMPLICITY's SCADA Web Configuration to discover the address space of an OPC UA Server and automatically create points from the address space.

Note: Be aware of the following:

- Microsoft Access is no longer supported by CIMPLICITY.
- Portal is at its end of life, and its integration with CIMPLICITY is no longer supported. Contact your sales representative for alternate solutions.

System Requirements and Compatibility

Hardware Requirements

CIMPLICITY v11.0 requires, at a minimum, the following hardware specifications. GE Digital recommends testing your particular system to determine if your performance needs require hardware beyond the base system recommendations.

Hardware	Requirements
Microprocessor	Intel Core 2 Duo 3.0 GHz
RAM	4 GB
Hard disk	40 GB
Ports	• USB port, if using a USB M4 or M5 license or a green key. • Serial port for some touch screens, pointing devices, and I/O drivers • Additional ports for I/O hardware

Hardware	Requirements
Monitor	• Color graphics monitor, SVGA or better • 24-bit graphics card capable of 800 x 600 resolution

Supported Operating Systems and Versions

CIMPLICITY v11.0 runs on any of the following operating systems, provided that specified revisions and service packs are included.

- Microsoft® Windows® 10 (32-bit or 64-bit), Professional, Enterprise & Ultimate Editions
- Microsoft® Windows® 8.1 (32-bit or 64-bit), Professional, Enterprise & Ultimate Editions
- Microsoft® Windows® Server 2019
- Microsoft® Windows® Server 2019 Cluster
- Microsoft® Windows® Server 2016
- Microsoft® Windows® Server 2016 Cluster
- Microsoft® Windows® Server 2012 R2
- Microsoft® Windows® 10 IoT Enterprise (LTSB) (Only full blown IoT version is supported. Not the core & mobile versions)

.NET Installation

NET 3.5 SP1 is required for the CIMPLICITY installer.

Supported External Software Versions

CIMPLICITY v11.0 is compatible with the following external software.

External Software	Supported Version
Microsoft Office	2016

External Software	Supported Version
Microsoft SQL Server	2014, 2016, and 2017 **Important:** SQL Server 2008 can be installed but is no longer supported. **Note:** CIMPLICITY has been validated to work with Database configurations using SQL 2016 AlwaysOn with the exception of the Tracker Attribute Database (TADB) functionality.
SQL Express	2014, 2016, and 2017
Oracle	12c **Note:** 1. Oracle 12c is the only version supported by CIMPLICITY 11.0. 2. Both the client and server should be running Oracle 12c.
Microsoft Visual Studio	2017
Flexera Software - Install Shield	2018
Sequent - Alarm Cast	10.01.01

Supported GE Software Versions

CIMPLICITY v11.0 is compatible with the following GE software.

GE Software	Supported Version	Install Before or After CIMPLICITY
Alarm Cast Administrator	10.01.01	After
Change Management	9.5	Before
Common Licensing	Latest version	With CIMPLICITY
Driver Server	Latest version	Either
Global Discovery Server	2.2	After
Historian (full version)	8.0, 7.2 (Latest SIM), 7.1 (Latest SIM), and 7.0 (Latest SP/SIM) Note: Logging array points to Historian is supported from version 7.0 onwards.	Either

GE Software	Supported Version	Install Before or After CIMPLICITY
IGS OPC Server	Latest version	Either
Machine Edition	9.5 and 9.0	Either
Plant Apps	7.0 latest Service Pack	Either
Portal	3.5 SP5	Either
Proficy Driver Server (PDS)	Latest version	With CIMPLICITY
Web HMI/OPSHUB	2.2/1.1	Either
Webspace	6.0 & 5.0	After

Compatibility Requirements

Note the following as they apply to your installation:

Element	Requirement
Network Communication I/O	Allen-Bradley Ethernet Driver Note the following: • RSLINX OEM 3.80.00 is required. • Rockwell requires a Factory Talk activation for RSLINX OEM. If RSLINX OEM is not activated, the Allen-Bradley Ethernet device communication interface will not run. Allen-Bradley Internet is supported on the following operating systems: Windows 2019 Windows 8.1 Windows 10 Server2012R2 Server 2016 Windows 10 IoT, LTSB **Note:** Depending on the OS, some RSLINX OEM features may not be supported. Refer to the RSLINX documentation for further information.

Element	Requirement
Genius PCI	If you are using Genius PCI communications you need: • One full height PCI slot for each port (up to four) • One Genius PCI card (IC660ELB931) **Note:** Genius PCI is only supported on 32-bit Windows 7 and Windows 10 systems.
Reflective Memory	If you are using reflective memory, the card requirements are: • PCPCIE-5565PIORC requires a low profile PCI Express Slot for each card • PCI-5565PIORC requires a 64-bit PCI slot for each card • PCIE-5565RC requires a PCI Express Slot. **Note:** You can install up to two reflective memory cards, but not all computers support two cards due to hardware or BIOS-specific limitations. The Reflective Memory driver is only supported on Windows 7 and is no longer packaged with CIMPLICITY. However, the package is available from Abaco, who is also the vendor for the reflective memory cards. You must install the following package: RFM2G Windows 7/XP/Vista/Server 2008/Server 2003/32/64-bit PCIE/PCI/PMC Driver for X86 R08.01.
DDE Communications	The DDE communications interface runs in the service session only. The DDE server must be able to run from the service session.
Browsers	The following browsers are supported for WebSpace with CIMPLICITY. • Google Chrome 66 or Greater • Microsoft Edge 41 or Greater • Firefox • Safari The following browsers are supported with the SCADA Web Configuration: • Google chrome 76 and above • Safari 10 and above, MacBook only (not iPad or iPhone) • Microsoft Edge on Windows 10 - 44.x • Firefox 67

Known Issues in CIMPLICITY 11

The following issue has been identified in CIMPLICITY v11.0.

Product:	SQL Server Native Client
Affected Version:	SQL Server Native Client 11.0
Ticket Number:	DE93978
Issue Description:	Windows Defender prevents SQL Server Native Client from being installed as part of the CIMPLICITY install.
Suggested Workaround:	To install SQL Server Native Client, perform either of the following actions. • Install SQL Server Native Client before installing CIMPLICITY. To do this: 1. In the CIMPLICITY DVD, access \Setup\Microsoft\SQLNativeClient2012. 2. Based on your 32-bit or 64-bit operating system, access the x86 or x64 folder. 3. Run the sqlncli.msi installation file. • Turn off Windows Defender and then install CIMPLICITY.

Fixed Defects in CIMPLICITY 11

The following issues have been resolved in CIMPLICITY v11.0.

Device Communications/ PDS Configuration window access issue

DE92042

SF-00634853

Issue Reported: Previously, in a Chinese operating system, when you used the PDS driver, the Server Configuration button was not aligned properly due to which the PDS Configuration window did not open.

Resolution: This issue has been resolved.

Now, in a Chinese operating system, when you use the PDS driver, the Server Configuration button is aligned properly and the PDS Configuration window opens.

CimEdit-CimView/ VisiconX zoom issue

DE28670

SF-00451532

Issue Reported: Previously, in a screen with VisiconX controls, if you zoomed in or zoomed out, behavioral issues occurred with the VisiconX controls.

Resolution: This issue has been resolved with the latest version of VisiconX.

Now, in a screen with VisiconX controls, if you zoom in or zoom out, no behavioral issues occur with the VisiconX controls.