C-Gate 2 Release Notes

C-BUS

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C-Gate 2.11.11

Released

September 2023

What's New

Security

This release includes security updates.

Other Fixes

None

C-Gate 2.11.10

Released

May 2022

What's New

Catalogue Changes

Unit types associated with the 5200WHC2 Wiser MK II in the catalogue have been renamed to either Home Controller or Home Controller C-Bus Network Interface depending on the unit type. This is purely a descriptive change and there has been no functional modification to the interaction of these units with C-Bus Toolkit.

SpaceLogic C-Bus Home Controller (5200WHC2)

This release adds support for SpaceLogic C-Bus Home Controller (5200WHC2) units.

Automation and Application Controllers

This release adds support for newer firmware revisions of the C-Bus Network Automation Controller (5500NAC & LSS5500NAC), Wiser for C-Bus Automation Controller (5500SHAC & LSS5500SHAC), SpaceLogic C-Bus Network Automation Controller (5500NAC2) and SpaceLogic C-Bus Application Controller (5500AC2) units when scanning networks.

Other Fixes

None

C-Gate 2.11.8

Released

August 2021

What's New

SpaceLogic C-Bus Controllers

This release adds catalogue support for two new controller types: SpaceLogic C-Bus Network Automation Controller (5500NAC2) and SpaceLogic C-Bus Application Controller (5500AC2).

Security

This release includes security updates. See the following URL for details:

https://download.schneider-electric.com/files?p_Doc_Ref=SEVD-2021-103-01

Other Fixes

- EDLTF-302: Addressed an issue with the synchronization lock when writing to eDLT units.

C-Gate 2.11.7

Released

June 2021

What's New

Security

This release includes security updates.

Other Fixes

None

C-Gate 2.11.6

Released

February 2021

What's New

Security

This release includes security updates.

Other Fixes

None

C-Gate 2.11.5

Released

September 2018

What's New

Network Syncing Fix

Fixed an issue where failure of a second sync command for a network would stop an already active sync command that is running for the same network as well.

Other Fixes

None

C-Gate 2.11.4

Released

July 2018

What's New

USB Drivers Upgraded

Upgraded the USB drivers to a newer version and improved ability to install on Windows 10.

Other Fixes

None

C-Gate 2.11.3

Released

June 2018

What's New

Fix for Automation Controller Routing via Bridges

When using the Automation Controller as a gateway, it was not relaying application messages across bridges which have the Application Connect options *Send to adjacent network* or *Send to other remote network* enabled.

CNIs already exhibit this behaviour by default because C-Gate sets the LOCAL_SAL interface option when connecting to them. C-Gate now does the same for the Automation Controller as well so it will function the same way as a CNI.

Other Fixes

None

C-Gate 2.11.2

Released

February 2018

What's New

Automation Controller Network Types

This release adds support for two new network types: Automation Controller – Ethernet and Automation Controller – USB.

Indicator Kill Fix

Fixed the issue where C-Gate was not producing event messages for indicator-kill events. This affected clients such as Schedule Plus which depended on these messages.

Retry Failed MMIs

C-Gate will now retry an MMI that fails during network discovery.

Clock Master Fix

Fixed the "Network not defined or available" error produced when C-Gate is configured as the primary clock master.

Also, added two read-only properties **PrimaryMasterEnabled** and **PrimaryMasterNextUpdateTime** to the Clock & Timekeeping Application.

Note: For the best results in time & date synchronization it is recommended to use a non-software device with NTP support instead (e.g. Automation Controller).

Sensor Factory Defaults Fix

Multisensor and 360 PIRs will now reset to the correct factory defaults for Light Level Target and Margin.

eDLT Impedance Fix

eDLT units will now be correctly accounted for in the Network Calculator.

Other Fixes

None

C-Gate 2.11.1

Released

June 2017

What's New

Windows 10 Creators Update

This release includes fixes that allow Toolkit to work on the Creators Update of Windows 10. Due to the nature of these fixes, this release will not work with releases of Toolkit prior to 1.15.1.

Other Fixes

None

C-Gate 2.11.0

Released

April 2017

What's New

Java 8 Update

C-Gate now includes a Java 8 JRE instead of Java 7. This will not affect the version of Java you have installed on your system.

Several supporting libraries have also been updated.

USB Driver Update

The Clipsal USB drivers have been updated to include better support for Windows 10.

Automation Controller Unit Support

This release includes support for the C-Bus Network Automation Controller (5500NAC & LSS5500NAC) and Wiser for C-Bus Automation Controller (5500SHAC & LSS5500SHAC) units.

New C-Gate Launcher

C-Gate now includes a new cgate.exe launcher. The command line arguments are the same as before so general compatibility should be preserved.

However, memory options are now respected in Service mode. Whereas previously Service mode would always use 512MB, the maximum memory specified in the Toolkit preferences will now apply to both Service and Console modes.

The new launcher also writes to two new log files:

- logs/launcher.txt – this captures logging specific to cgate.exe that was previously sent to Windows Event Viewer.
- logs/wrapper.txt – this captures the stdout/stderr output that was previously only visible in Console mode.

Note: the new launcher is based on the open-source YAJSW wrapper so it is possible for users to create custom launch configurations. Such configurations however are not supported by Clipsal technical support.

Sync-Free Periods

It is possible to configure periods of time to be avoided when C-Gate is scheduling background syncs. These Sync-Free Periods are configured on a weekly cycle.

For example, a Sync-Free period of 8am to 10am on weekdays will cause background syncs to be postponed till after 10am. This can help prevent the sync traffic from interfering with the high levels of traffic caused by the arrival of building occupants.

This behaviour needs to be explicitly configured by the user. For more information see the C-Gate Manual, "Reference -> Networks -> Network Syncing -> Sync-Free Periods" (section 4.9.4.3 in PDF).

Sync Padding

C-Gate now spreads scheduled background syncs evenly across the configured sync period. This only takes effect from the second sync onwards.

For example, if a project has 20 networks and a sync period of 1 hour then once all those networks are opened and synced for the first time, their next scheduled syncs will be spread evenly across a 45-minute period leaving 15 minutes as a buffer.

This behaviour is enabled by default and is configurable. For more information see the C-Gate Manual, “Reference -> Networks -> Network Syncing -> Sync Padding” (section 4.9.4.2 in PDF).

Automatic Clock Recovery

C-Gate will automatically detect and recover a network that does not have a C-Bus clock enabled. It does this by enabling clock on the gateway unit.

For more information see the C-Gate Manual, “Reference -> Networks -> C-Bus Clock Recovery” (section 4.9.7 in PDF).

Net Clocks Command

C-Gate has a new command to query and alter the number of units that have a C-Bus clock enabled.

For more information see the C-Gate Manual, “Reference -> Command Descriptions -> NET CLOCKS” (section 4.5.126 in PDF).

Array Filtering

Several C-Gate commands now support a special syntax to filter arrays.

For example, instead of an arbitrary array index (first line) you can use a specific property/value pair (second line):

```
dbget 254/Unit[3]
dbget 254/Unit[Address=207]
```

For more information see the C-Gate Manual, “Reference -> Command and Monitoring Interfaces -> Command Interface -> Commands -> Array Filtering” (section 4.3.1.4.3 in PDF).

PCI Polling Improved

PCI Polling is now more robust. If the initial MMI fails it will fall back to a simple identify. The likelihood of bridged networks going into error should be significantly reduced.

CG-1715 – PCI Polling fails when an interim MMI response line is missing

Command Caching Improved

Sometimes C-Gate would match a C-Bus response incorrectly to an older command. The cache mechanism has been adjusted to favour newer commands and to drop these older commands earlier.

CG-1865 – Improve matching of short-form responses
CG-1724 – Old commands are not getting sweeped from tx queue
CG-1725 – Commands are cached against very old commands in tx queue

Other Fixes

- CG-1850 – New command PORT CNISCAN2, which allows selection of network adaptor