

C-Gate 3 Release Notes

C-BUS

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C-Gate 3.2.0

Released

October 2023

What's New

Folder Changes

This release changes where the C-Gate application and its project files are stored on disk.

C-Gate is now installed into C:\Program Files\Schneider Electric\C-Gate 3 by default.

Project files are stored in C:\Users\YourUserName\Documents\C-Bus Commission 2\Projects

Project Format Change

This release introduces a new database format for projects, replacing the old XML format.

 *This new project format is not editable outside of C-Gate and other associated C-Bus software.*

 *This new project format is not compatible with C-Gate 2 or below.*

Old format projects are converted by C-Gate automatically to the new format as a background task when C-Gate is started. Projects are converted according to their last modified date, meaning that the most recently used will be converted first. Projects waiting to be converted or in the process of conversion cannot be opened until they have been successfully converted.

After conversion, backups of the old format projects can be found in

C:\Users\YourUserName\Documents\C-Bus Commission 2\Projects\ProjectName\XML Backup Files

where

- *YourUserName* is the name of your user account
- *ProjectName* is the name of the C-Bus project that was converted

 *We strongly recommend creating a separate back up of projects before installing and running this release.*

C-Bus DALI-2 Gateway

This release adds support for the C-Bus DALI-2 Gateway (5502CDGP230) and DALI devices.

DIMDD4 / DIMDD8 Dimmers

This release adds support for the DIMDD4 (5504D2D) and DIMDD8 (5508D1D) dimmer devices.

Command API Changes

The PROJECT DIR command has been enhanced with a new optional parameter that includes additional information in the responses. If the parameter is not specified, then the responses are the same as in previous versions of the command.

There have been cybersecurity improvements to the command API.

Installing on Linux

Prerequisites

- A 64-bit Linux operating system
 - Linux installation testing was performed on Ubuntu 22.04.3
- The C-Gate 3.2 package (cgate-3.x.x_xxxx.zip)
- A 64-bit Java Runtime Environment (JRE)
 - JRE 1.8.0_202 is the recommended and supported version, which can be downloaded from the Oracle website

 *Currently only 64-bit Linux operating systems are supported for installation*

Folder Structure

The *application* folder is the folder where CGate.jar is located.

The *application data* folder is the folder where log and configuration files are stored. This location is defined by the CGATE_APPDATA environment variable.

The *home* folder is the folder where project files are stored. This location is defined by the CGATE_HOME environment variable.

Clean Installation

1. Install the JRE and ensure it is set as the default
2. Extract the C-Gate zip package into
 - /usr/local/bin/cgate3
3. Set the CGATE_HOME and CGATE_APPDATA variables as permanent environment variables as defined below. If these variables are not set, then C-Gate will attempt to write project, log and configuration files in the same folder as CGate.jar (in which case ensure that the user account used to start C-Gate has been granted read and write permissions to that location)
 - CGATE_HOME = /home/<username>/cgate3/home
 - CGATE_APPDATA = /home/<username>/cgate3/appdata
4. Create the folders below (corresponding to the environment variables)
 - /home/<username>/cgate3/home/Projects
 - /home/<username>/cgate3/appdata/config
5. Navigate to
 - /usr/local/bin/cgate3
6. Execute
 - java -jar cgate.jar

Migrate Existing Installation

- Make a backup of the C-Gate 2 folders.
 - Make a separate backup of the tag folder if the project XML files are not stored in the default folder C-Gate2\tag
- Follow steps 1 – 4 of the Clean Installation
- Copy files from the C-Gate 2 tag folder to the C-Gate 3 Projects folder
- Copy the CGateConfig.txt file from C-Gate 2 to C-Gate 3 (if needed)

- Follow steps 5 – 6 of the Clean Installation

Known Issues

- SLCC-1078: The DBNEW and DBSAVE commands are not working

Other Fixes

None