

 DataKustik Last change: 2020-11-06	Technical Note	Page 1 of 3
	CadnaA OPTION PRO	TN2011e ANNO V01
	Key Words: CadnaA, 64-Bit, Lua Presets, Efficiency, RAM, Multi-threading, speed	

Abstract

This technical note provides information about the technical aspects of the new Option PRO.

1. Features of Option PRO

CadnaA Option PRO offers valuable tools to the user looking for improving the efficiency in his daily work. It replaces the former Option 64 by keeping the same features and adding new ones.

The main features are:

- **64-Bit version of CadnaA:** CadnaA with Option PRO can use up to 2048 Gb (2TB) of RAM depending on the operating system used.
- **Multithreading with up to 64 cores:** CadnaA can already use up to 32 cores. With Option PRO, the number of parallel cores is expanded to up to 64.
- **Import from SketchUp 2019:** SketchUp 2019 is only available as 64-Bit application. Therefore, Option PRO is needed to import files from SketchUp 2019.
- **Lua presets:** Lua presets are Lua scripts made by DataKustik including a dialog for easy set-up by the user. They are bundled within the installation of CadnaA and available at *Menu Extras | Lua Presets*. New functions based on Lua presets might be implemented in the future.
- **Migration assistant RLS90 → RLS19:** The migration assistant enables the conversion of data from an existing RLS-90 project for a calculation with RLS-19, whereby road surfaces, percentage of heavy vehicles, position of source lines for motorways as well as parking lots can be adjusted. New migration assistants might be implemented in the future.
- **Additional features:** The following features are included: *Thin out height points and close polygons*

2. Option PRO in combination with other options (64, X, L)

Option PRO replaces the former Option 64. Users who purchased Option 64 in the past are upgraded to PRO automatically after installing CadnaA 2020 MR2 or higher.

Option PRO combines perfectly with Options **X** and **L** as they are aimed to handle large scale projects (L) where postprocessing tasks are usually needed (X). The following points are important:

- The features *Thin out height points* and *close polygons* are present in both option PRO and X
- The Lua script presets have been moved from Option X to Option PRO.
- Nevertheless, the full Lua scripting capability (not via presets) is still an exclusive feature of Option X.

3. Option PRO F.A.Q. (Frequently Asked Questions)

Q: I have purchased Option 64 in the past. Do I need to pay extra for Option PRO?

A: No. Former Option 64 users entitled to download CadnaA 2020 MR2 or higher, will be automatically upgraded to Option PRO. Therefore, they keep all Option 64 features and they will get the new ones included in PRO without further costs.

Q: I have purchased Option 64 in the past, but I'm not getting the new features of Option PRO. Why?

A: Because your license is older than CadnaA 2020 MR2. If you are not entitled to run at least 2020 MR2, you must update and/or purchase maintenance.

Q: I have a PC with 64-bit operating system. Do I need to purchase Option PRO to run CadnaA on it?

A: No, because CadnaA 32-bit works perfectly under a 64-bit OS (such as Windows 10). The 32-bit version is limited to multithreading with 32 cores and RAM usage of ~ 2GB. With version PRO, the user could get the advantage of multithreading with up to 64 cores and RAM usage of up to 2048 GB (if hardware is available).

Q: Why I'm getting error: 64000 when I try to install CadnaA.

A: Because you haven't purchased Option PRO. You need the option PRO to run CadnaA 64-Bit version.

Q: I have a CadnaA license as well as Option X. When installing version 2020 MR2, the Lua script presets are greyed out. Why this is happening?

A: Lua script presets are now part of Option PRO and they have been removed from Option X

Q: I have CadnaA 32-bit and SketchUp 2019. When I try to import models with the SketchUp import format it doesn't seem to work. Why this is happening?

A: SketchUp 2019 is available in 64-bit only. You will need Option PRO (and therefore CadnaA 64-bit) to properly import models).

Q: *I´m very interested in the migration assistant feature. Unfortunately, I´ve never used RLS-90 and I will not use RLS-19 in my country. Would you implement further migration assistants meeting other national regulations?*

A: Yes. As soon as we have official configuration settings officially supported by the relevant authority, new assistants will be added in further releases.