Roger Access Control System 5v2

Application note no. 058

Document version: Rev. A

INTEGRAL EvoxX (SCHRACK) integration

Note: This document refers to RACS 5 v2.0.8 or higher

Introduction

RACS 5 system enables software integration with fire alarm panels of Integral EvoxX series from SCHRACK SECONET company. The integration enables to:

- Monitor and locate states from fire alarm system using Maps and Monitors in association with CCTV system. It concerns such states as:
  - fire alarms
  - activation/deactivation of inputs and outputs (e.g. smoke vents)
  - failures
- Keep maintenance log based on Event Log and possibly using Notes.

The integration is mainly dedicated to be used with VISO SMS system which enables monitoring and visualization of various security systems as explained in AN055 application note. Fire alarm cancelling, resetting, etc must be performed from the level of the fire panel.

The integration requires the installation of OPC-SCHRACK communication driver from Tiger-soft company (https://www.tiger-soft.com.pl/en). It is also necessary to apply valid license in the VISO EX software.

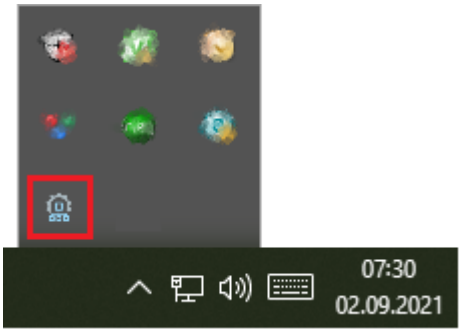
Preliminary configuration of RACS 5

In order to conduct preliminary configuration of RACS 5:

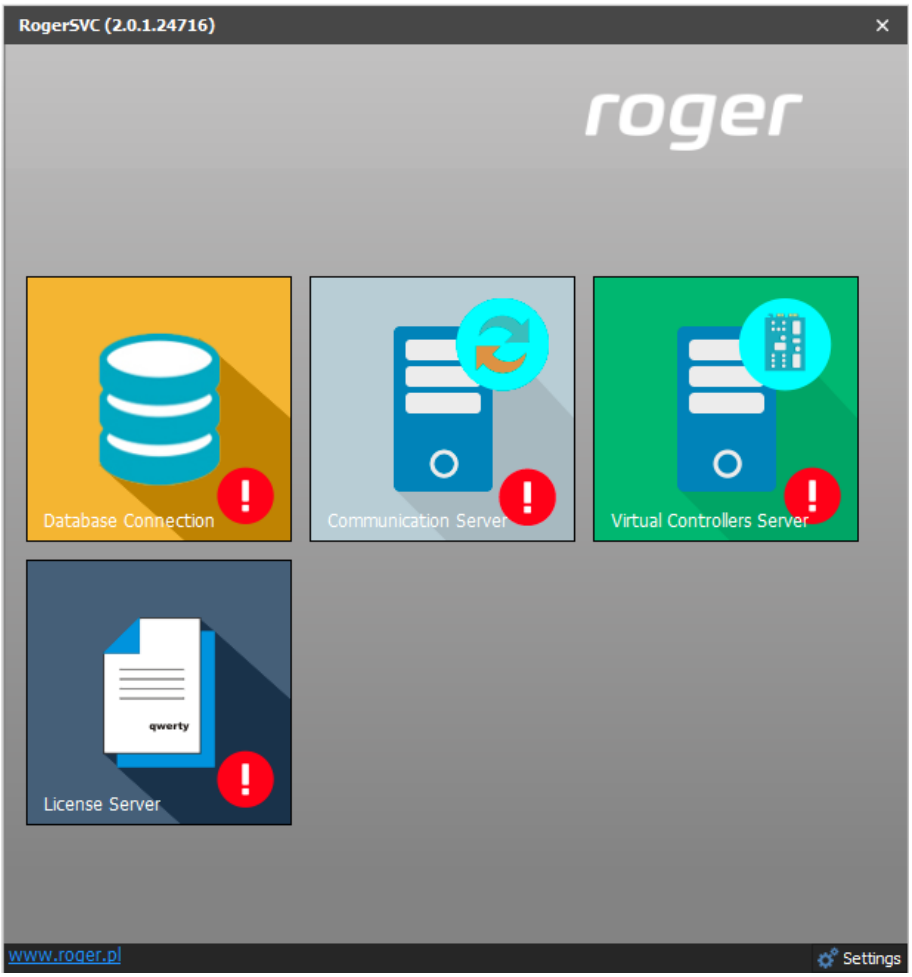
- Install VISO software and create database according to AN006 application note.
- Install RogerSVC software and select not only Communication Server but also License Server and Virtual Controllers Server. If servers are supposed to be operated on individual computers then install RogerSVC on each computer selecting required servers.

Note: If License Server and Virtual Controllers Server are supposed to be operated on individual computers then during installation of Virtual Controllers Server, the License Server must be deselected. Only in such case it will be possible to indicate external License Server when Virtual Controllers Server is configured.

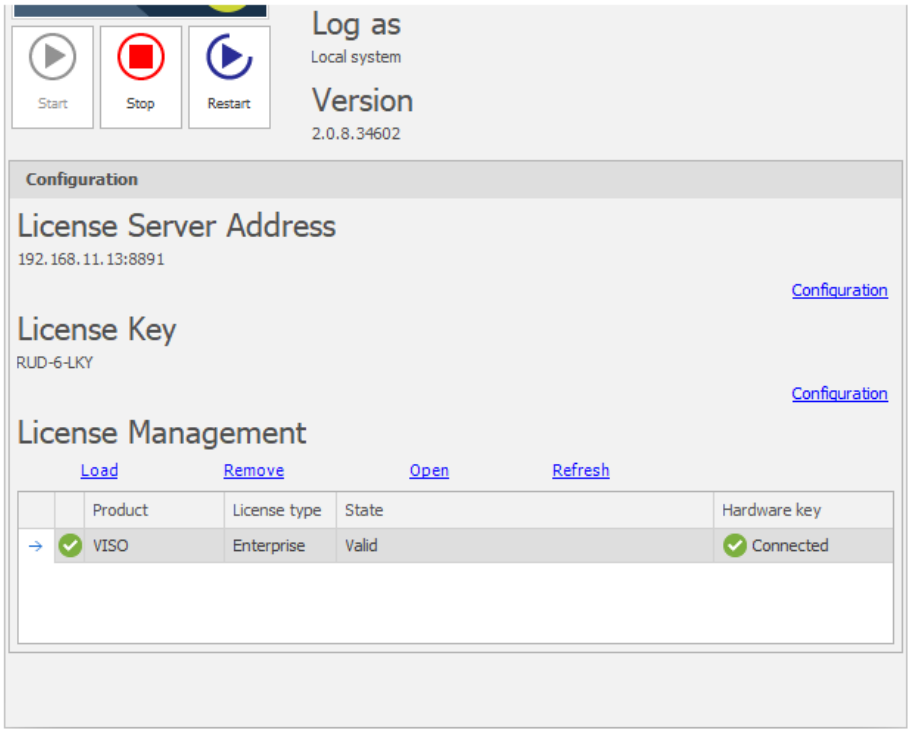
- When RogerSVC is launched then its icon is displayed in Windows tray. Click the icon  . The RogerSVC icon in tray can also be launched from Windows menu *Start ->Roger-> RogerSVC.*



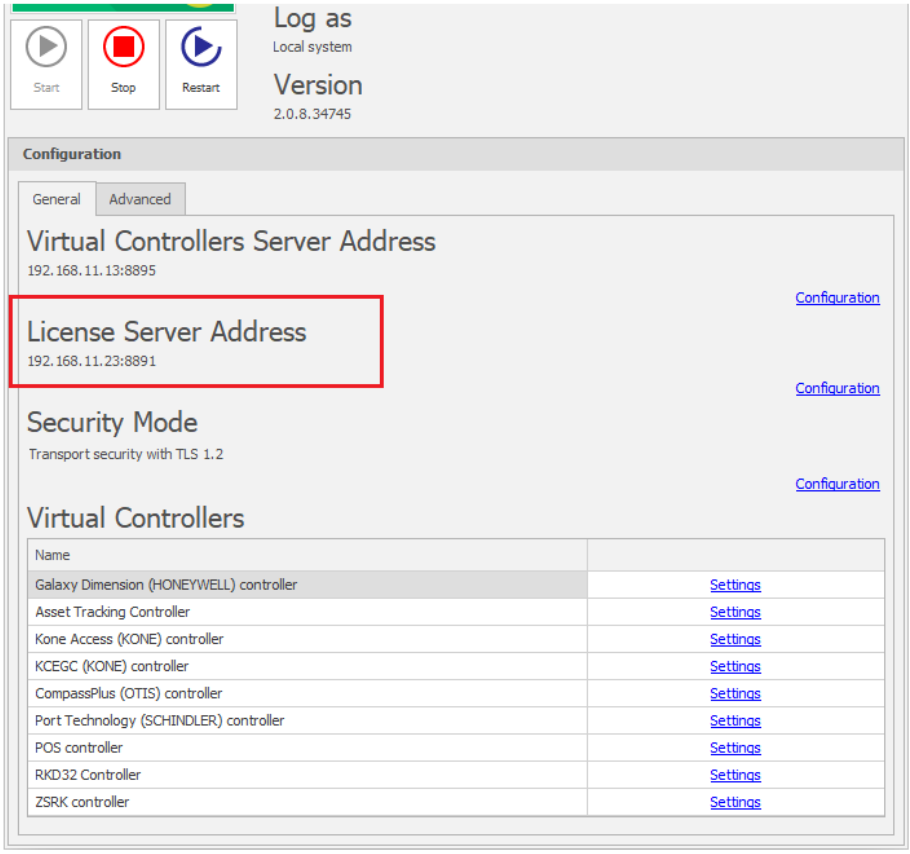
- In the RogerSVC window select *Database Connection* tile and then *Configuration* to indicate previously created RACS 5 database. Return to the main window.



- In the RogerSVC window select *Communication Server*, click *Configuration,* enter IP address of the computer with the server installed e.g. 192.168.11.13 and define port (8890 by default).
- Select *Start* and return to the main window. The server will be started and operated in the background whenever the computer is switched on even if RogerSVC window is closed.
- Connect RUD-6-LKY hardware key to USB port of computer with License Server installed or connect RLK-1 hardware key to LAN and enter its IP address.
- In the RogerSVC window select *License Server* tile, click *Configuration,* enter IP address of the computer with the server installed e.g. 192.168.11.13 and define port (8891 by default).
- Select *Load license file* and indicate purchased license file for the hardware key.
- Select *Start* and return to the main window. The server will be started and operated in the background whenever the computer is switched on even if RogerSVC window is closed.



- In the RogerSVC window select *Virtual Controllers Server* tile, click *Configuration*, enter IP address of the computer with the server installed (e.g. 192.168.11.13) and define port (8895 by default).
- If contrary to previously presented configuration steps, the License Server is installed on a computer with exemplary 192.168.11.23 address while Virtual Controllers Server is installed on computer with exemplary 192.168.11.13 address then it is possible to indicate external License Server for virtual controllers as below.



- Select *Start* and return to the main window. The server will be started and operated in the background whenever the computer is switched on even if RogerSVC window is closed.
- Start VISO software, in the top menu select *System*, then *Select License Server* and indicate previously defined License Server from RogerSVC software in order to start the VISO program in licensed version.

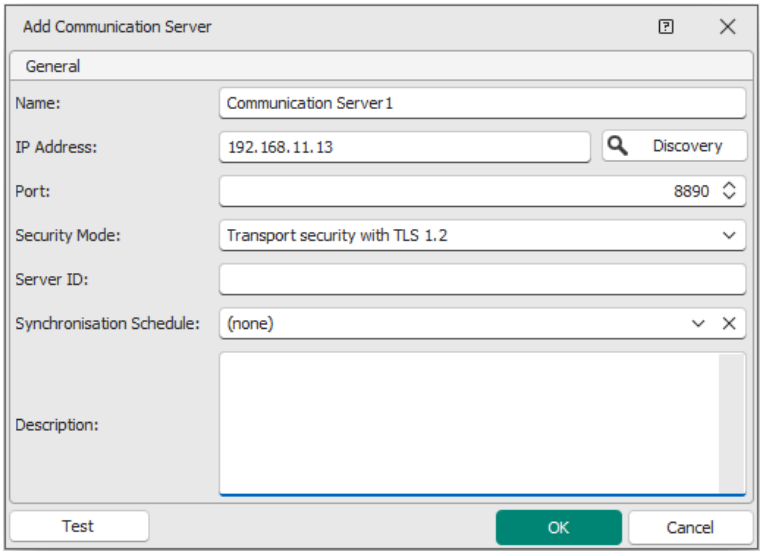
Fire alarm system configuration

Configure the fire alarm system with Schrack panels according to manufacturer manuals and guidelines. Additionally on the computer with Virtual Controllers Server (RogerSVC program) install OPC-SCHRACK communication driver from Tiger-soft company (https://www.tiger-soft.com.pl/en) and configure it according to its manuals and guidelines.

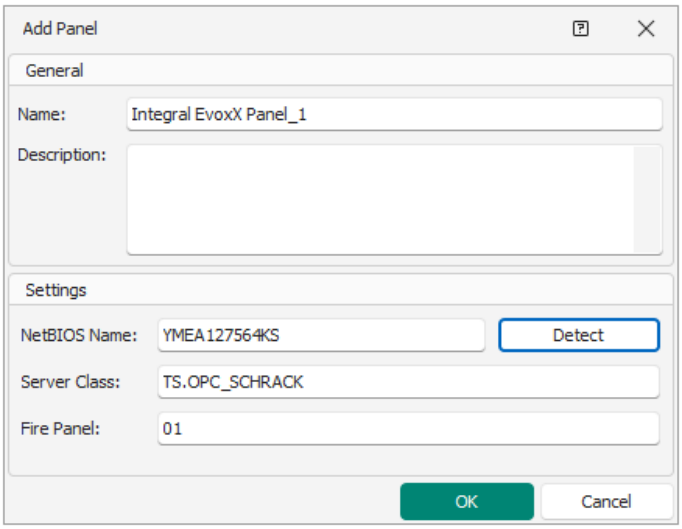
Connection with fire alarm system

In order to configure virtual controller:

- If Communication Server is not already configured in VISO software then in the navigation tree of VISO software right click *Networks* command and select *Add Communication Server*.
- In the opened window enter parameters of Communication Server previously configured in RogerSVC program and close the window with *OK* button. It is recommended to apply TLS 1.2 mode to encrypt the communication.



- In the navigation tree right click *Virtual Controllers Server* and select *Add Server*. In the opened window enter parameters of Virtual Controllers Server previously configured in RogerSVC program and click *OK*. It is recommended to apply TLS 1.2 mode to encrypt the communication.
- In the navigation tree right click the server and select *Add Virtual Controller*. In the section *Fire Alarm Systems* select *Integral EvoxX (SCHRACK SECONET) controller*. If the controller is not on the list then most probably there is license error on the level of VISO software or RogerSVC software. Close the window with *OK* button.
- In the navigation tree double click *Integral EvoxX Controller* and in the opened window select *Add*.
- In the next window select *Detect* in order to fill panel parameters. The parameter *NetBIOS Name* is computer's name. Close the window with *OK* button.



- Select *Initialize* and then *Run* in the opened window to download such objects as zones (groups), inputs (e.g. detectors) and outputs (e.g. sirens) defined in the fire panel.

Note: When the configuration of fire alarm panel is modified then it may be required to manually restart OPC_SCHRACK service prior to initialization in VISO software.

Application of the integration

The integration mainly facilitates maintenance and monitoring of fire alarm system especially in regard of alarms. It is mainly applied in VISO SMS system which is used to monitor and visualize security systems in buildings. Fire panel objects such as detectors can be placed on Maps. More information on this subject is given in AN055 application note.

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