Roger Access Control System 5

Application note no. 040

Document version: Rev. B

Operators and partitions

Note: This document refers to RACS 5 v1.6.6 or higher

Introduction

Operators of VISO software can configure, manage and monitor RACS 5 system. Each Operator is authorized in the software by means of login and password or by means of Active Directory service (if available). The access of Operators to various parts of the software can be configured by means of Roles. Additionally it is possible to define Authorisations in regard of Remote Commands which can be sent by Operators to the system also from the level of Map in VISO software.

RACS 5 system can be managed concurrently by Operators from multiple workstation with installed VISO software if centralized type MS SQL Server database is applied according to AN017 application note.

The system can be divided into Partitions i.e. logical subsystems managed by dedicated Operators if licensed VISO EX software is applied. Partitions are useful in a scenario where multi-tenant building is under control of single access control system. Then each tenant can manage own Access Doors, Authorisations, users, etc. within the whole RACS 5 system installed in the building.

Operators

Two predefined Operators are available in VISO software. Default Administrator (login: Admin) has empty password and such Operator can access all possible areas of VISO software while Basic Administrator (login: Basic) also has empty password but such Operator can access some of essential areas and options of VISO software.
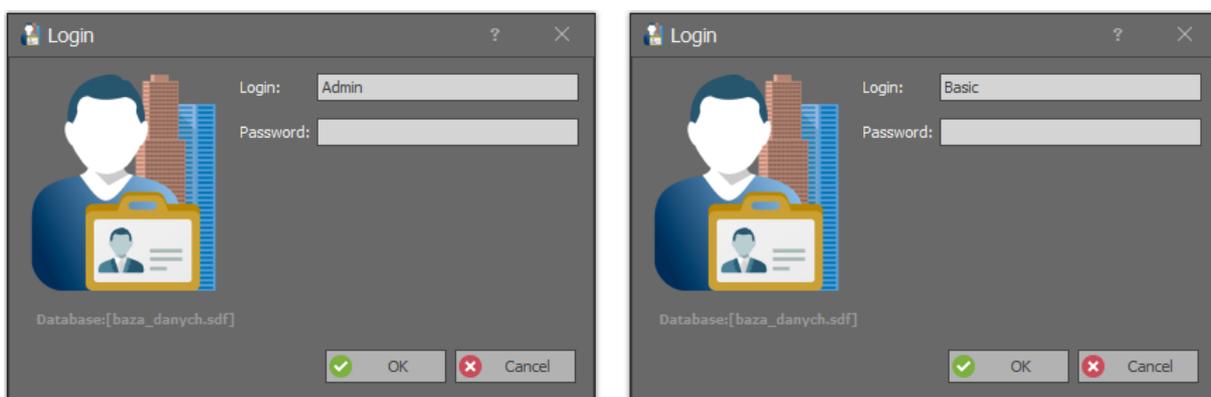
In order to create own Operator:

- In the top menu of VISO software select *Administration* and then *Operators* icon.
- In the opened window select *Add* and in the next window define the Operator settings. Close the window with *OK* button.

- In the bottom select *Roles* tab and then *Assign*.
- In the opened window select one of predefined Roles. Operator can have multiple Roles and it is possible to define own Roles.

In the Operator window it is also possible to define passwords for predefined Operators using the button *Change Password*.

Roles

Roles are used to indicate what areas and elements of VISO software are available for the Operators with particular Role. There are many predefined Roles in the software. In order to define own Role:

- In the top menu select *Administration* and then *Roles*.
- In the opened window select *Add* and in the next window select if the new Role is based on existing Role, it includes no permission or all permissions. Close the window with *OK* button.

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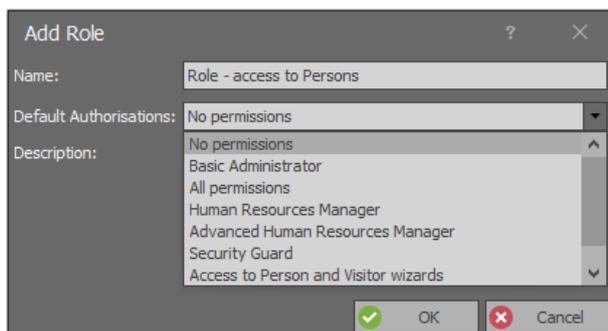
- In the bottom select *Permissions* tab.
- On the list select what elements and buttons will be available within the Role.
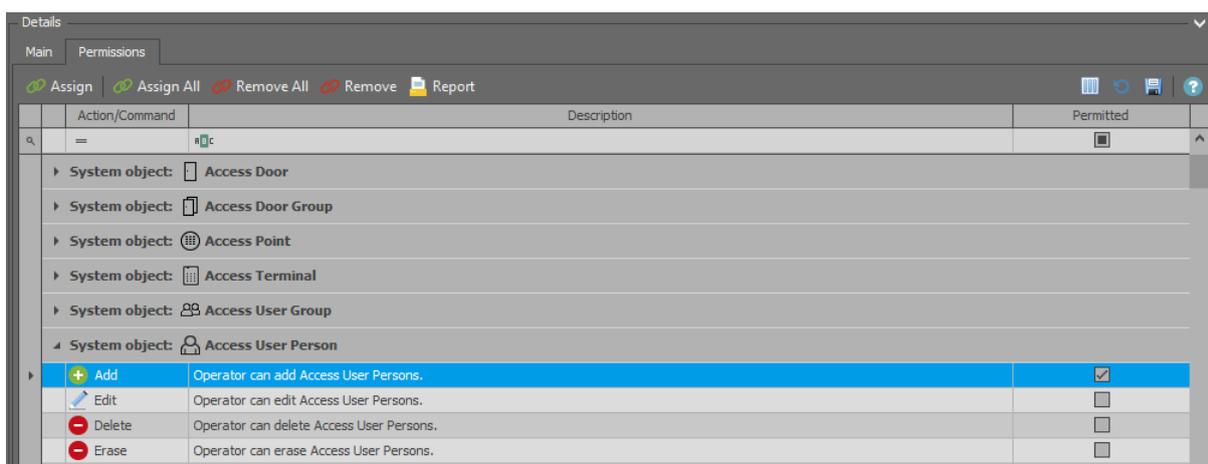
Note: Some permissions are managed in cascade. For example, access to Mainboard in VISO navigation tree requires additional access to Network and Access Controller.

Operator Authorisations

In general perspective, Authorisation is used to define which function (e.g. door open, zone arming) can be started by user for particular logic object (Access Doors, Access Points, zones) in specific time limits (Schedules). Functions can be started locally by users e.g. at a reader and also remotely by Operators in VISO software. It is possible to configure which functions can be started remotely by particular Operator. By default, each Operator including Administrator cannot start any functions remotely in the system.

Defining of Operator Authorisations is done by association with Access User Person who is assigned with Basic Authorisations and/or Advanced Authorisations for particular functions in the system. In such case the Operator inherits user's Authorisation and can for example open the same doors as the user. More information on Authorisation creating is given in AN003 application note.

In order to assign Administrator Operator with Authorisation for door unlocking and locking:

- Configure the system according to AN006 application note and define exemplary Access Door with the name *C1_Door1* using available wizard.
- Expand *Authorisations* in the navigation tree of VISO software and then double click *Advanced Authorisations*.
- In the opened window select *Add* in order to define Authorisation for function *[136]: Set Alternately Normal/Unlocked Door Mode*. Close the window with *OK* button.

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- In the bottom select *Positive Rules* tab and define Object type rule for *C1_Door1* Access Door. Close the window with *OK* button.

- In the top menu of VISO software select *Wizards* and then *Add Person Online* to enrol exemplary user with the name Casillas Ahriman.
- In the window shown below select *Remote Management* tab and assign Administrator in *Operator* field. This will associate the Operator with the user so the Operator could inherit user's Authorisations.
- In the next steps assign the user with previously created Advanced Authorisation for function *[136]* and obligatory define Access Credential with any Authentication Factor (card, PIN).
- Upload new settings to controller.

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After synchronisation of settings, the Administrator and associated Casillas Ahriman user will be able to start the function *[136]* at Access Door *C1_Door1*, with such difference that the Operator can start it with Remote Command while user can start it locally at a reader. In case of user it would be also necessary to define method for the function starting e.g. double card reading at particular Access Point (reader) which can be configured with its Authentication Options.

Similarly other Authorisations can be defined and assigned to user and consequently also to associated Operator e.g. for Automation Node and related output switching, for Alarm Zone arming, etc.

The Operator can start Remote Command right clicking the Access Door in VISO navigation tree or on Map if it is configured in VISO software.

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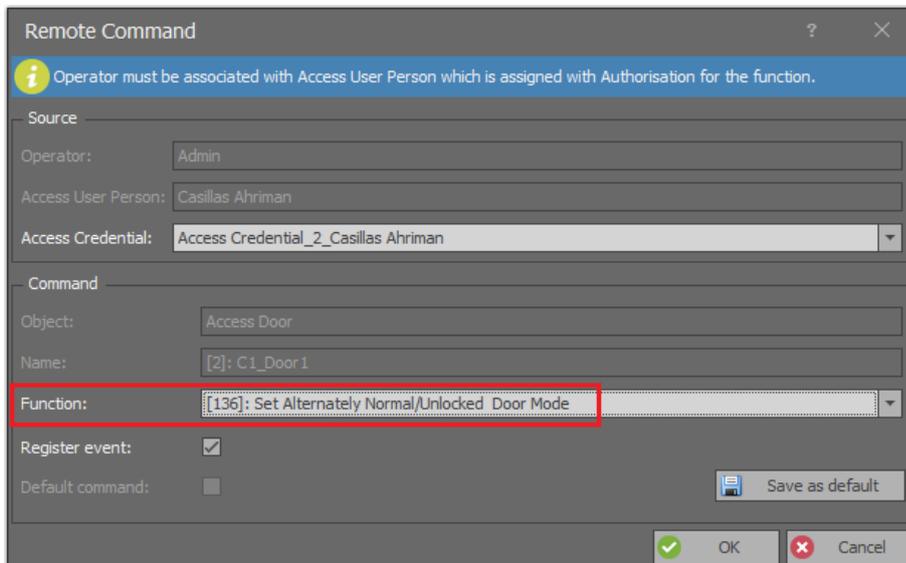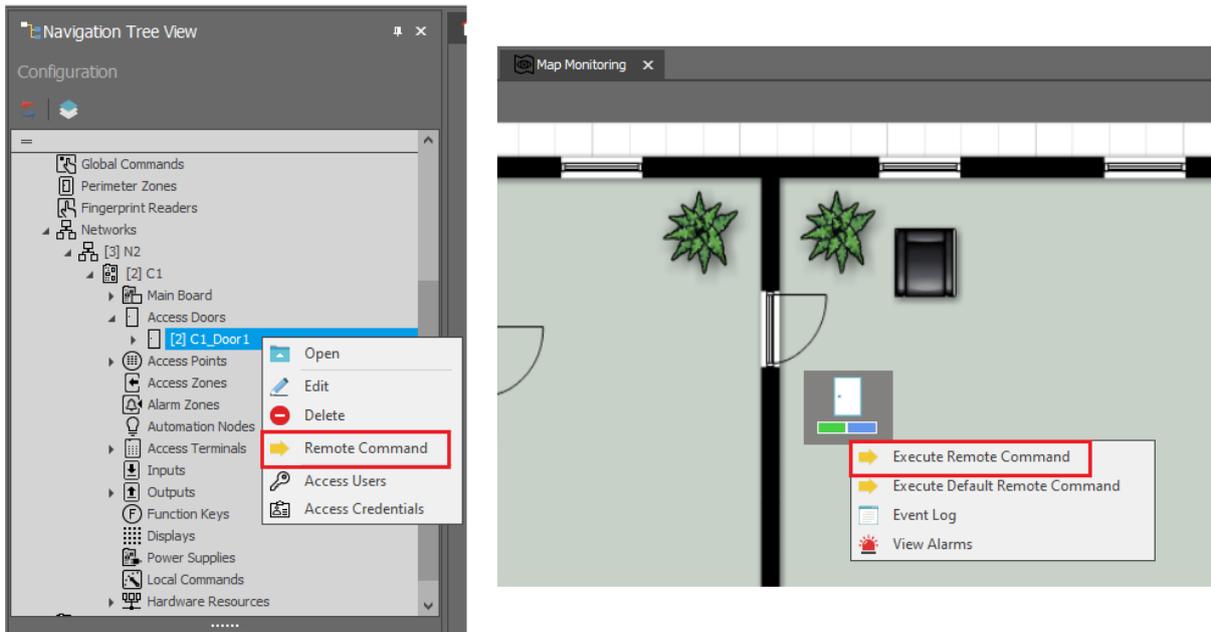
The most simple method to grant all Authorizations to Operator and consequently enable full remote control of the system is to assign such Operator to user with Access Credentials with enabled *Master Exemption* option.

Operator Log

All actions performed by Operators in VISO software are registered, so it is possible to determine who did what and if necessary to cancel or revert changes. The log is available after selection of *Administration* in the top menu of VISO software and then *Operator Log*.

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Partitions

The system can be divided into Partitions i.e. logical subsystems managed by dedicated Operators if licensed VISO EX software is applied. Partitions are useful in a scenario where multi-tenant building is under control of single access control system. Then each tenant can manage own Access Doors, Authorisations, users, etc. within the whole RACS 5 system installed in the building.

In case of Partitions which are managed from multiple workstations it is necessary to apply centralized type MS SQL Server database which is explained in AN017 application note.

In order to create Partition:

- Select *Partitions* in the navigation tree of VISO software and then double click *Partitions*.
- In the opened window select *Add* to create the Partition.
- In the bottom tabs, assign objects which will fall under the Partition e.g. Persons, Access Doors, etc. The same object can be shared between multiple Partitions e.g. Access Door at the main entrance of the building.
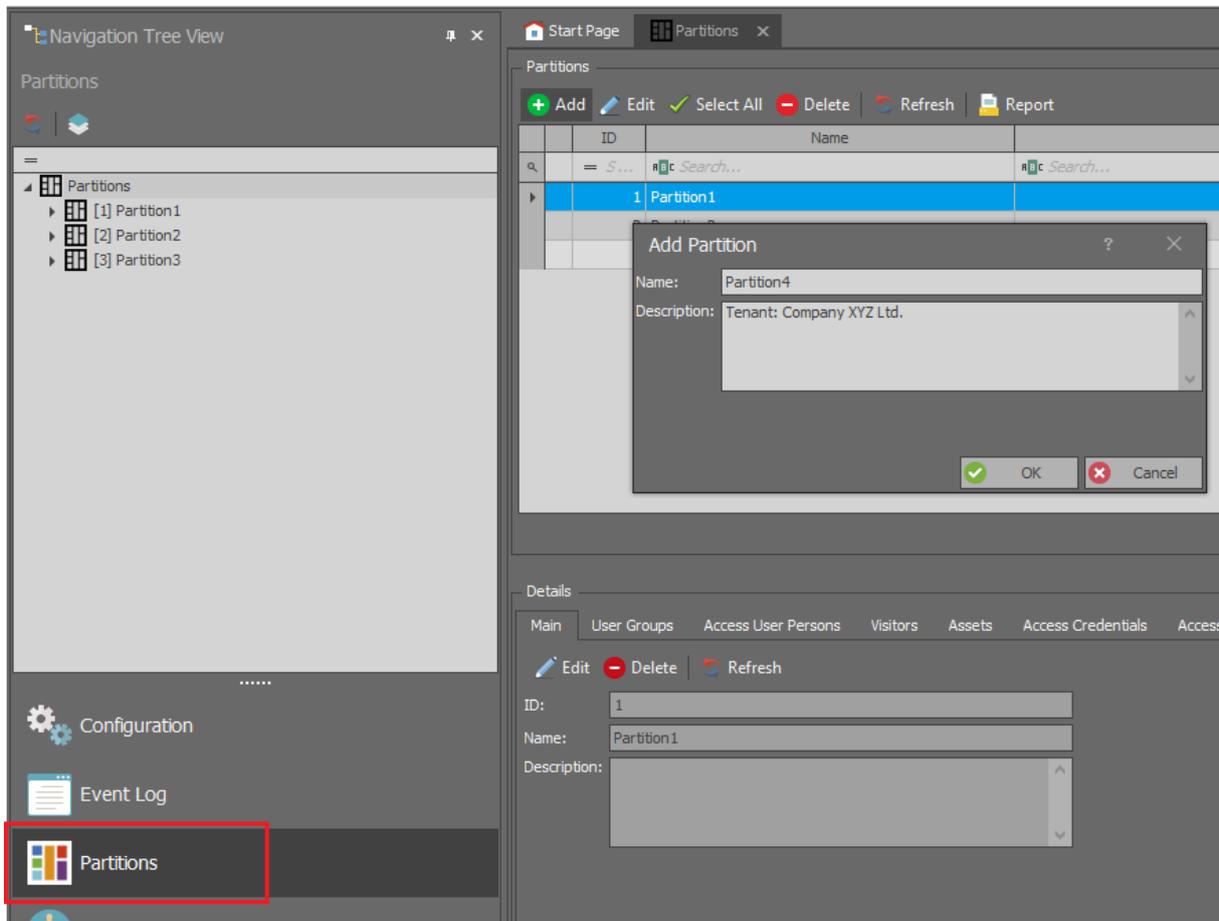
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Operators are assigned to Partitions so they could manage objects which are included in their Partitions.
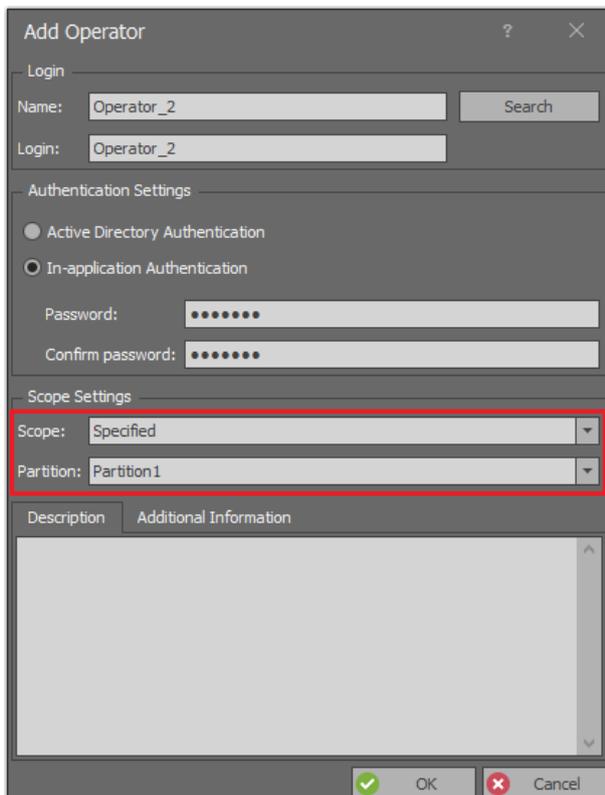
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