Quick Start Guide

C-WERK

EN

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Content

1. Introduction

1.1 Document purpose

This document, is intended to be used as a concise guide for installing and starting the C-WERK software package as well as for configuring and using its main functions (video surveillance, audio surveillance, pan/tilt/zoom devices management).

More detailed information on the C-WERK software package is presented in the link

https://doc.c-werk.com/display/cwerk58en/Documentation

Meet C-WERK, a next-generation open-platform video management software (VMS). Thanks to exciting innovations from Grundig, the C-WERK platform has reached a whole new level of performance, reliability, efficiency, functionality and accessibility.

Video surveillance systems based on C-WERK can scale infinitely: there are no restrictions on the number of video servers, workstations or video cameras. C-WERK also plays well with other devices and systems.

Support for over 10.000 models of IP devices and 4.500 ONVIF compliant devices is included, as well as remote access from mobile devices and a web interface.

Security needs of all sizes - from those of large-scale distributed facilities to the smallest sites - can be efficiently met with C-WERK video management software. Every license includes full, unrestricted VMS functionality, even on systems of just one camera. Users on tight budgets will appreciate the free version of the program, which supports up to 4 camera channels.

2. Installing the Software Package

To install the C-WERK VMS, run the Setup.exe file with administrator rights.

The following three types of installations are available when installing C-WERK to a personal computer:

1. **Client** – This type of installation is used for installing the software's user interfaces, which enables any user to connect to any server within a single security system and to perform administration/management/monitoring of a guarded location based on the permissions granted by the administrator.
2. **Server and Client** — installs Client and Server services. C-WERK Server:
    1. interacts with devices (cameras, microphones, sensors, relays, etc.) that constitute a security system
    2. writes video footage to archives on system disks; interacts with archives on NAS
    3. hosts VMDA database
    4. employs detection tools to analyze live video
    5. keeps configurations of the security system, user settings, custom layouts, macros, etc.
3. **Failover Server and Client**— installs Client and Server services enhanced with the Failover capability. In emergency (power outage, network problems), the Failover technology restores the server configuration on another server.

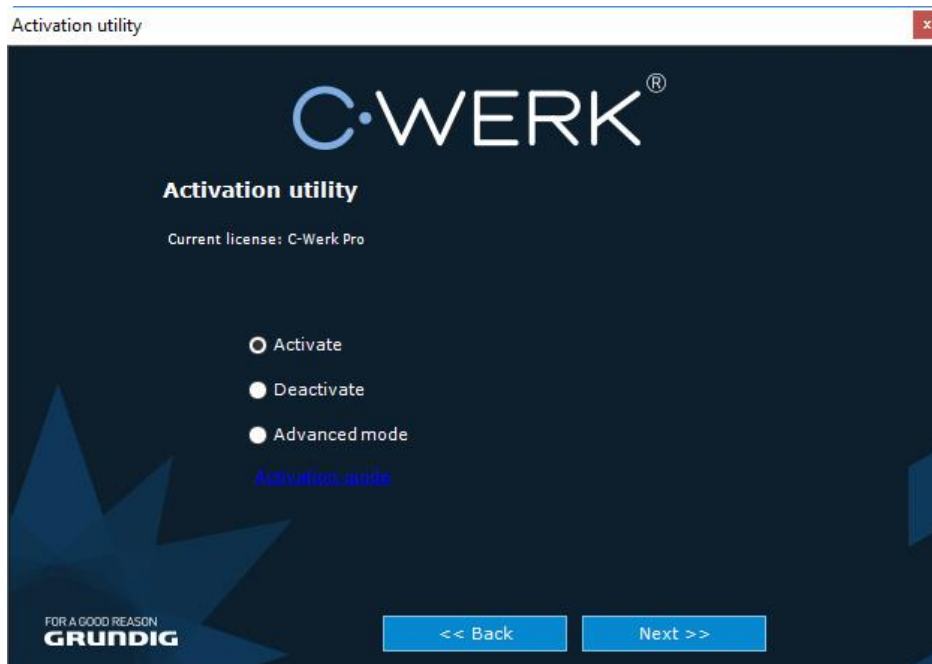The following required software is installed, if necessary:

1. PostgreSQL 9.2.2 server database If an older version of PostgreSQL is installed, it is updated to version 9.2.2. A new log database is automatically created (name: ngp, user name: ngp, password: ngp).
2. .NET Framework 2.0, .NET Framework 3.5 SP1 and .NET Framework 4.0
3. Acrobat Reader, which is necessary for exporting in PDF format and printing freeze frames.
4. VLC Player, in the C-WERK installation folder, contains the file VLC.exe, which is a version of the VLC Player that can be run from any connected disk without installation. This file can be used to view exported archive video.

3. Licensing the Software package

There are 4 types of C-WERK license: **Viewer**, **Essential**, **Pro** and **Premium**. Upon installation, you have the **Viewer** license.

You should activate C-WERK VMS to utilize the full feature set of the security software package. You can activate the software by distributing an activation key on the system.

License activation for the C-WERK software package is carried out through the corresponding utility. Launch the product activation utility using **Start** menu: **Start → All programs → C-WERK → Utilities → Product activation**.

It is recommended that you read the activation guide providing step by step activation instructions.

4. Starting and closing the C-WERK software

Check readiness for operation of the entire communication environment, cameras, microphones and other system components before starting the system.

To start working with the software, you must perform the following steps:

1. Go to **Start → All Programs → C-WERK → C-WERK**.
   C-Werk's Client will then launch and an authorization window will appear.

2. Enter your user name and password and click **Connect**.

Note:

When logging into the system for the first time, use the user name **root**, which has administrator permissions. Enter "root" into the **User name** and **Password** fields. The administrator then needs to configure the system for multi-user access.

If authorization is successful, a video surveillance monitor will be displayed on the screen.

Before closing C-WERK, you need to exit the user interfaces. To do this, you need to do one of the following:

1. Click the button located under **Settings**.
2. In the Windows taskbar notification area, in the context menu of the C-WERK icon, select **Close window**.

When you perform one of these actions, the authorization window will appear. To close *C-Werk* (completely exit the client), click **Close**.

5. Configuring the C-WERK software package

5.1 Create Cameras

You can add video cameras and IP servers to the system by using the IP Device Discovery Wizard.

The IP devices are color-coded based on the status of the device.

Color of video camera icon	Description
	Fully supported device
	Manual configuration required
	C-WERK compatibility not guaranteed

When adding a device, you can immediately set several configuration options, such as:

- firmware version,
- username and password,
- object ID and name,
- archive and recording (non-stop or based on a time schedule).

In addition, three modes are available for adding a device to a configuration: with the default settings, with the current settings or custom settings.

To add one device, click the ![+] button. To add all devices, click the **Add all** button.

If an IP device is not shown in the search results (beacuse it is located on another subnet or contact has been temporarily lost), you can add it manually. To do so, in the neutral-colored area above the search results, select the type of IP device that you are adding (with or without edge storage), specify an IP address and port, and select the manufacturer and model.
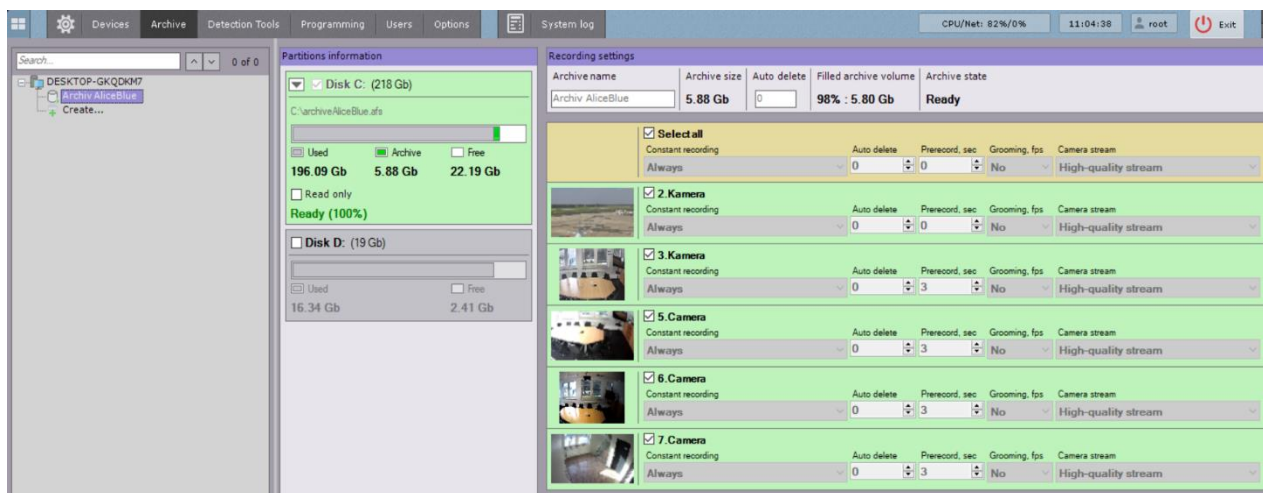
5.2 Creating Archives

On the base of one server you can create an unlimited number of archives. An archive can be placed on local disks or on network disks.

You can save a single archive volume of recorded video on each local drive. An archive volume is a file or an entire logical drive (with the proprietary SolidStore file system).

On network drives, you can save an archive volume only in the form of a file.

To create an archive, go to the **Archive** tab and click the **Create** link.

Configure the archive as follows: select the archive type, configure archive volumes, click the **Apply** button.
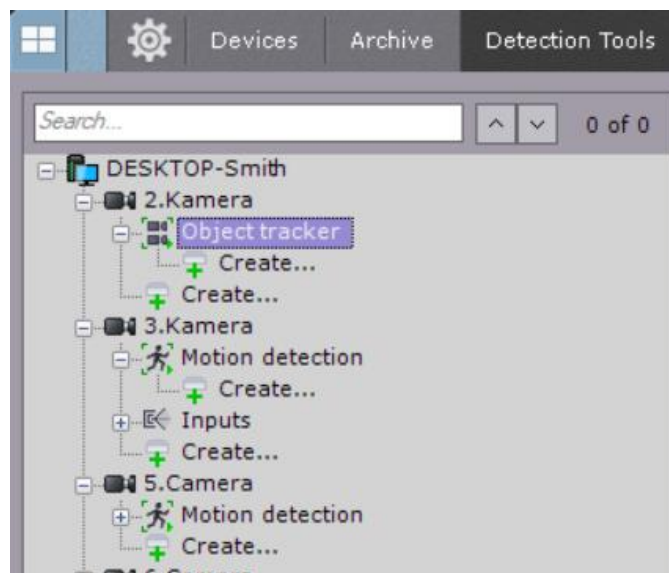
Configure the recording as follows: select the cameras, configure recording settings.

5.3 Create and Configure Detection Tools

In the C-WERK software package, several types of detection tools process incoming data:

1. situation analysis detection tools;
2. facial recognition tools;
3. automatic number plate recognition tool;
4. basic detection tools:
    1. Video analytics;
    2. Audio analytics;
5. Detection tools embedded in a video camera.

You can configure detection in the **Detection Tools** tab.

To create a detection tool, click **Create** in the camera's object tree and choose a required tool.

To create **Scene Analytics** and the **Facial Recognition** tools, you need to create a respective object first. You create detection tools on the basis of these objects.
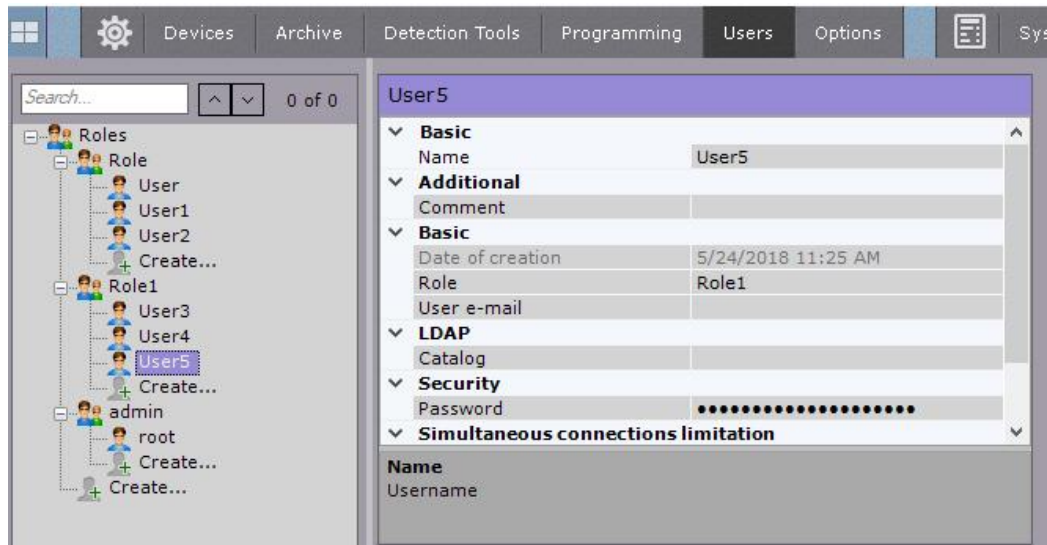
5.4 Configuring Users and Roles

In C-WERK, every user has permissions based on their role.

By default, there is one role (**admin**) and one user (**root**). The **root** user belongs to the **admin** role and has rights to configure all components of the video surveillance system. To

add a user with individual permissions, create a new role with the necessary permissions and then create a new user account.

Roles and users can be added and configured in **Settings**, on the **Users** tab.

There are two types of users: local (stored in the Server database) and LDAP.

Roles configuration involves setting group and individual permissions for users' access to various system settings, features and hardware.

You can assign a role to a user and set permissions for the role.
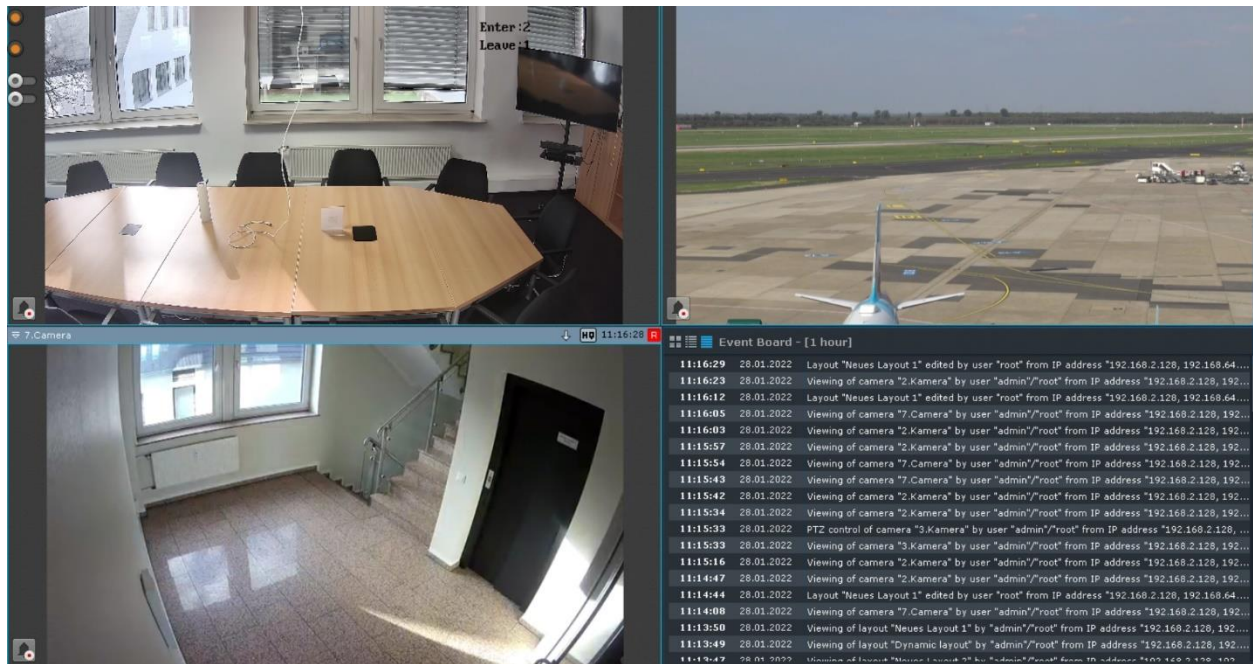
5.5 Create and Configure Layouts

You can create and configure custom layouts for any user. Log into the Server under the appropriate user name and configure the layouts for that user.

New layouts are created based on standard layout types.

You can add video camera tiles and information boards (dashboards) to a layout. You can also attach a map, that will be automatically displayed when you switch to this layout.

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