

DIGIOP® Control enables centralized configuration of systems, devices, users, and permissions. It is a web-based administration portal that allows you to manage your video and data from anywhere.

DIGIOP® Connect is the client software for your DIGIOP® server, which displays video and data on a single user interface. DIGIOP® Connect can also provide remote access to the DIGIOP® server when installed on a client station.

For additional information about installing and using the DIGIOP® software, refer to the *DIGIOP® Elements Full User Manual*.

1 Installation

NOTE If you purchased a factory configured DIGIOP® system, DIGIOP® Server and DIGIOP® Connect were preinstalled.

Before installing the DIGIOP® software, ensure that your server hardware and any remote PCs for DIGIOP® Connect meet the following requirements.

Recommended Specifications:

- **CPU:** Intel® Core™ i7 or equivalent processor
- **RAM:** 8GB
- **HDD:** 250GB, 7200 RPM (add additional HDDs for video storage space)
- **Video Card:** 256MB (or better)
- **OS:** Microsoft® Windows® 10 Professional (with 64-bit OS)

Minimum Specifications:

- **CPU:** Intel® Core™ i3 or equivalent processor
- **RAM:** 4GB
- **HDD:** 250GB 7200 RPM (add additional HDDs for video storage space)
- **Video Card:** 256MB (or better)
- **OS:** Microsoft® Windows 7 (with 64-bit OS) / 8 / 8.1 / 10, Server 2012, Server 2016.

DIGIOP® is capable of operating on systems with lower specifications, but this is highly dependent upon number of cameras, camera resolution, and recorded frame rates. Contact us to determine the optimal specifications for your project.

There are two DIGIOP® Server installer file versions:

- **DigiopServer_Web.exe** (Web Installer, recommended)
- **DigiopServer_Full.exe** (Full Installer, a larger installer that includes all of the prerequisites):

There are two DIGIOP® Connect installer file versions:

- **DIGIOP_Connect_x64InstallerFull.exe** (for a 64-bit OS, recommended)
- **DIGIOP_Connect_x86InstallerFull.exe** (for a 32-bit OS legacy system)

If you purchased the DIGIOP® Software Only product, the installers and licenses should have been sent to you. If not, please contact your sales representative.

To install the DIGIOP® software:

1. Locate the appropriate installation files for your system and then copy it to your server hardware.
2. Install DIGIOP® Server as you would install most Windows applications. During the installation process, DIGIOP® will install essential software components, such as Microsoft® SQL Server if needed.
3. Install DIGIOP® Connect as you would install most Windows applications. During the installation process, DIGIOP® will install essential software components, such as Microsoft® .NET Framework if needed.

After installing and configuring the DIGIOP® Server and DIGIOP® Connect software on the DIGIOP® Server, proceed to install DIGIOP® Connect on any additional client stations.



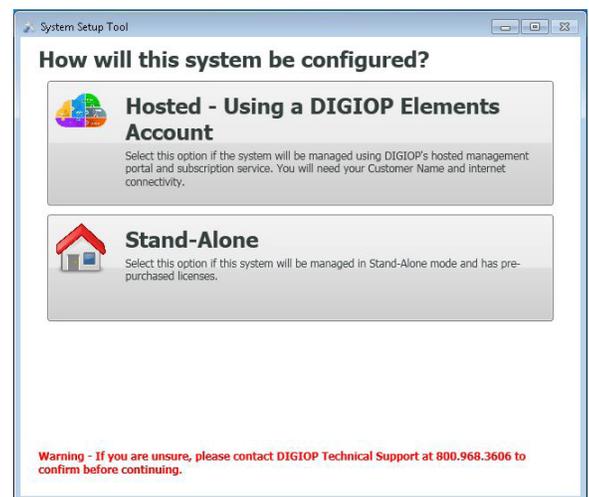
Notes *Windows 8/8.1/10:* An internet connection is needed during the initial installation of DIGIOP Server to access Windows Updates and install **.NET Framework 3.5**.
Server 2012/2016: Before installing DIGIOP Server, you must first go to the **Add a Role or Feature Wizard** and add **.NET Framework 3.5** and **Desktop Experience**. An internet connection is needed during this step to access Windows Updates and install **.NET Framework 3.5**. You can then start the DIGIOP Server Installer.
Kiosk Mode: The **DIGIOP® Connect** installer will have an option to enable **Kiosk mode**. To install in **Kiosk mode**, check the select box, and then click **Install**. **Kiosk mode** is ideal for remote clients at security stations. In this mode, the application opens automatically in full-screen view mode after a Windows user logs into the system. DIGIOP® users who login to Connect without the administrator permission can logout of **DIGIOP® Connect**, but cannot close the application or access the Windows desktop. Users with administrator permission can logout and close the application, and then access the Windows desktop.
Most installations will NOT use **Kiosk mode** (default).

2 Initial system startup

After installing the server software, the DIGIOP® System Setup Tool will open a window requesting how the system is to be managed:

NOTE If you purchased a factory configured DIGIOP® system, the DIGIOP® System Setup Tool may have already been configured.

- **Hosted - Using a DIGIOP® Elements Account:** The system will be hosted by DIGIOP ELEMENTS™. (Internet access is required.)
 - You must request a DIGIOP ELEMENTS™ customer name and account before proceeding with system startup. Contact your sales representative for more information.
 - Ideal for multi-site installations.
 - Centralized configuration of all systems, devices, users and permissions.
 - System configuration data is saved in the cloud allowing for easy system recovery in the event of a hardware failure.
- **Stand-Alone:** The system will be hosted on your hardware.
 - All system configuration data is saved on the DIGIOP server.



Click one of the management options to continue.

For additional instructions on how to complete the system setup, including adding licences, refer to the *DIGIOP® Elements Full User Manual*.

3 Log into DIGIOP® Control

The DIGIOP® Control web administration tool is accessed using an Internet browser (Microsoft® Internet Explorer®, Mozilla® Firefox®, or Google® Chrome™). How you log into DIGIOP Control depends on whether the system is hosted locally or by DIGIOP ELEMENTS™.

For systems hosted by DIGIOP ELEMENTS™:

- Open an internet browser on a computer that has Internet access.
- Go to the URL: <https://elements.digiop.com>
- Enter the *Username*, *Password* and *Customer* names assigned to you by DIGIOP, and then click **Login**.

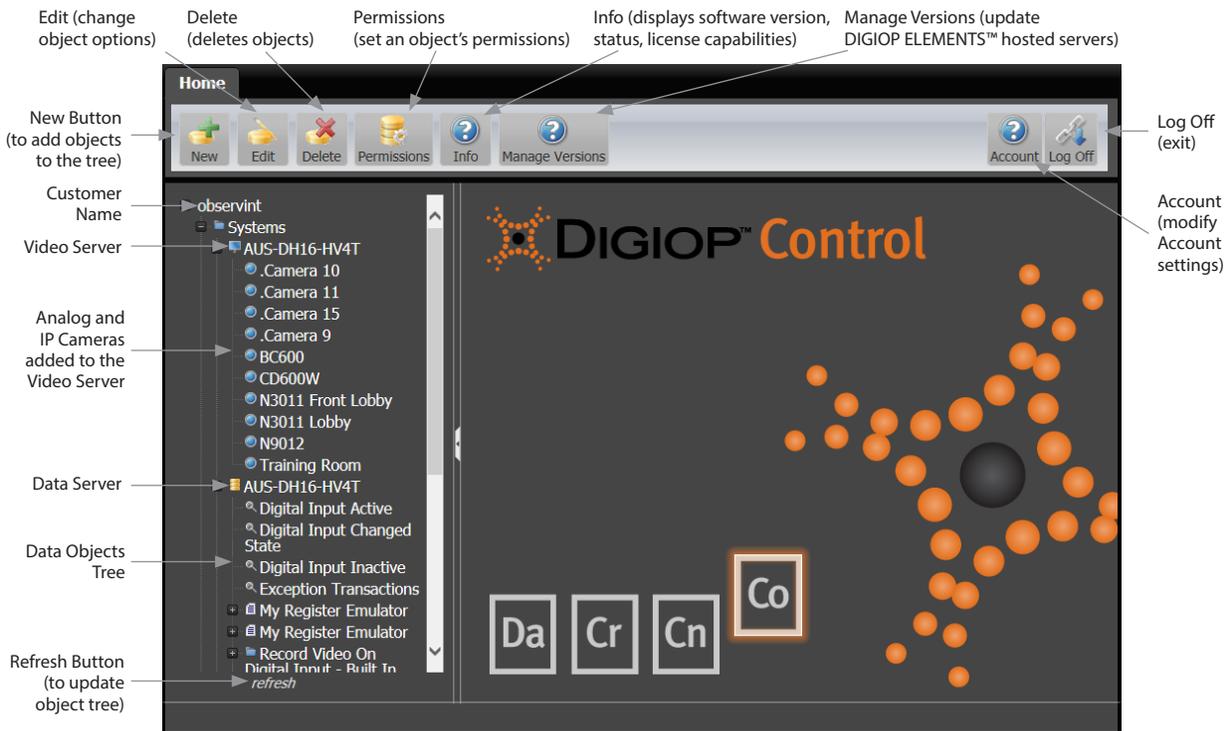




For Stand-Alone systems:

- On the server: Open an Internet browser on the server. Go to the URL: localhost/Digiop
- From a client station: Open an Internet browser on a computer that can connect to the server across a LAN and go to the URL: <ip address of DIGIOP Server>/digiop. Example: 192.168.5.43/digiop
- Enter your *Username* and *Password* (if this a first time login, use the default *Username* and *Password*: **admin** and **admin**). In the *Customer* field, enter **digiop**.
- Click **Login**.

DIGIOP® Control

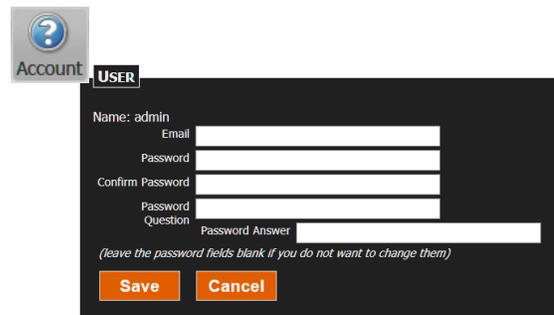


4 Change default admin password

For added security, it is strongly recommended that the default **admin** username password be changed during the initial system setup:

- Login to DIGIOP Control as the **admin** user.
- Click the Account icon at the top right of the window to open the User menu.
- In the **User** menu, enter a new password in the **Password** and **Confirm Password** fields, then click **Save**.

NOTE Lost passwords cannot be recovered. If you change the **admin** password, copy it to a secure location.

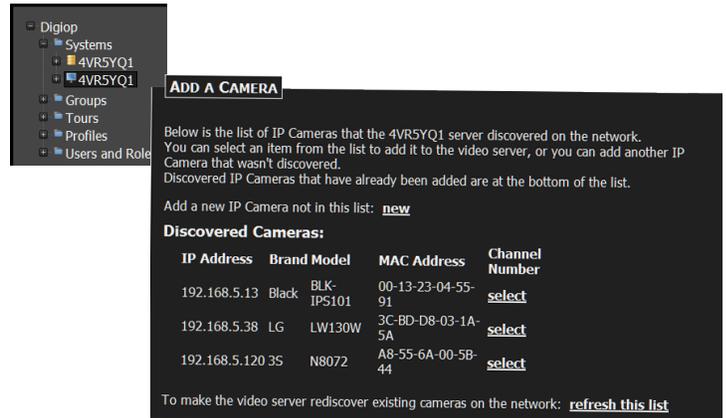




5 Add IP auto-discovered cameras to Control

IP cameras may be auto-discovered (setting enabled by default).

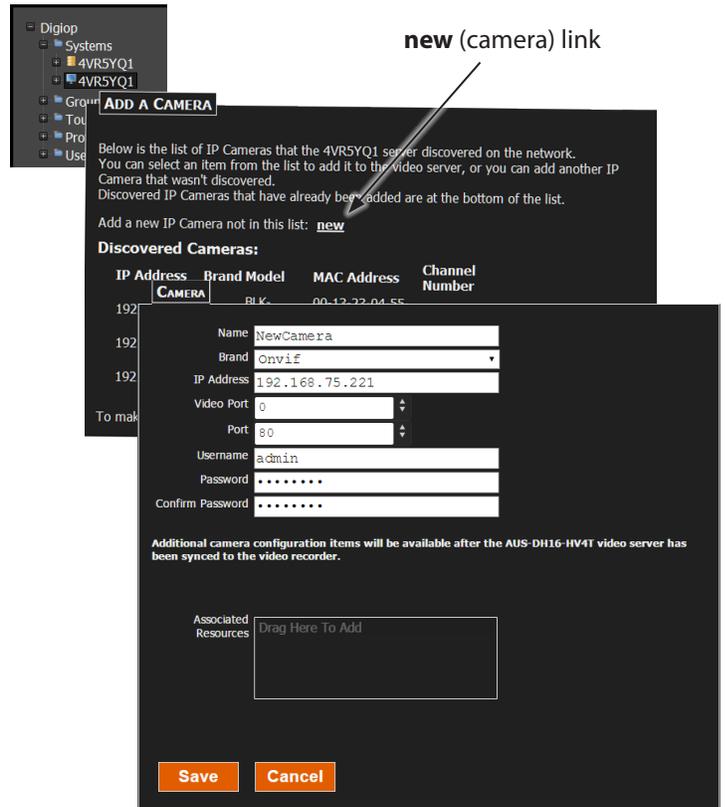
- Double click the **Systems** branch in the left pane, then click the **Video Server** icon () to select it.
- Click the **New** button at the top of the window.
- In the **Add a camera** menu, click the **select** link for the camera you want to add.
- In the **Camera** menu, change the settings if necessary, then click **Save**.
- Repeat this procedure for other auto-discovered cameras.



6 Add IP cameras manually

IP cameras may be added manually to Control.

- Double click the **Systems** branch in the left pane, then click the **Video Server** icon () to select it.
- Click the **New** button at the top of the window.
- In the **Add a camera** menu, click the **new** link to add a camera that is not in the list.
- In the **Name** field, enter a name for the camera.
- In the **Brand** field, open the drop-down list and select the brand of the camera you are adding. If the camera is **ONVIF** compatible, you can select **ONVIF** (most new cameras). See the example to the right.
- In the **IP Address** field, enter the address for the camera.
- Enter the **Video Port** and **Port** the camera is using. Refer to the camera documentation for the correct settings.
- In the **Username**, **Password** and **Confirm Password** fields, enter the administrator username and password for the camera you are adding.
- Click **Save** to add the camera to Control.

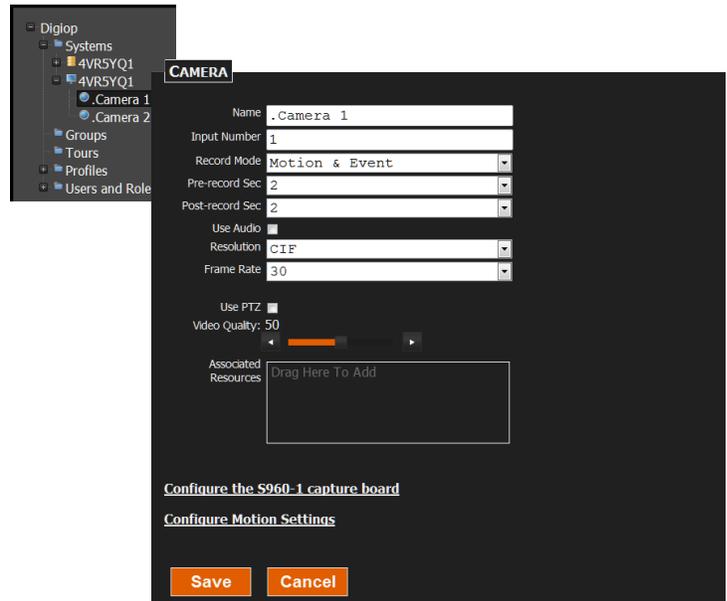




7 Add analog cameras to Control (Hybrid systems)

Analog cameras are auto-discovered and assigned to the video channel they are physically connected to.

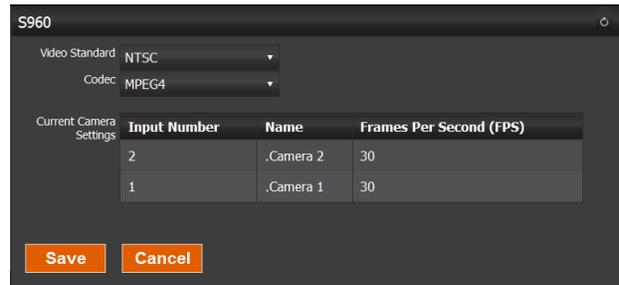
- Double click the **Systems** branch in the left pane, then double click the video server icon to expand it. By default, analog cameras are named **.Camera 1** (for channel 1), **.Camera 2** (for channel 2), etc.
- Select the camera you want to edit, then click the **Edit** button.
- In the **Camera** menu, change the settings if necessary, then click **Save**.
- Repeat this procedure for other auto-discovered analog cameras.



8 Configure the capture board (Hybrid systems)

Some analog camera settings are set at the camera level, as in the previous step. The capture boards will also have additional settings that can be changed at the capture board level. The window at the right shows the menu for the S960 capture board, which is similar to capture boards in other DIGIOP® systems.

- Double click the **Systems** branch in the left pane, then double click the **Video Server** "+" sign to expand it.
- Click any analog camera listed under the video server icon to select it, then click the **Edit** button.
- In the **Camera** menu, click **Configure the <type> capture board**.
- Change the capture board settings if necessary, then click **Save**.



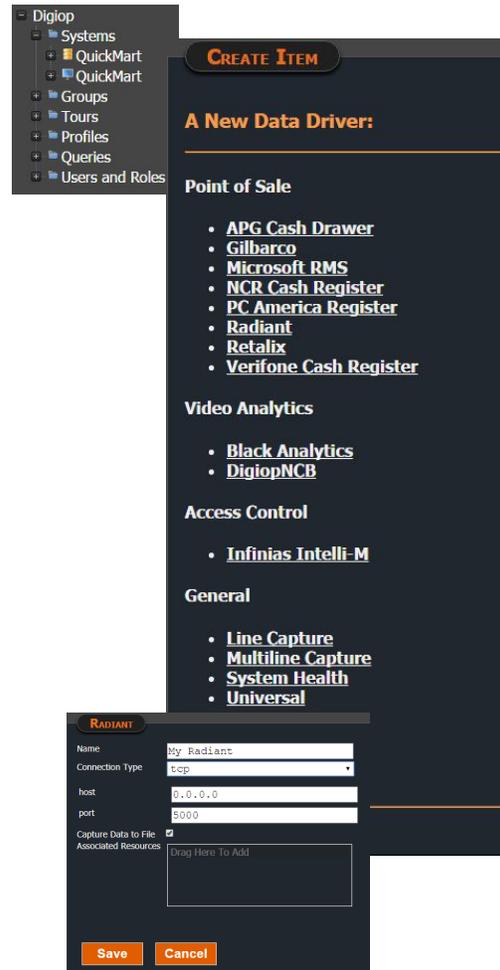


9 Add a data stream to Control

Data streams are added to the Data server. DIGIOP® Control includes presets for common data streams, as well as a Universal Data Driver to add custom data templates. To add a data stream:

- Double click the Systems branch in the left pane, then click the **Data Server** icon () to select it.
- Click the **New** button at the top of the window.
- In the **Create Item** menu, click the preferred **New Stream**. The options screen for the data stream selected will open. In the example used here, the Radiant Cash Register option was selected.
- In the edit menu for the Radiant register, set the options as needed, then click **Save**.

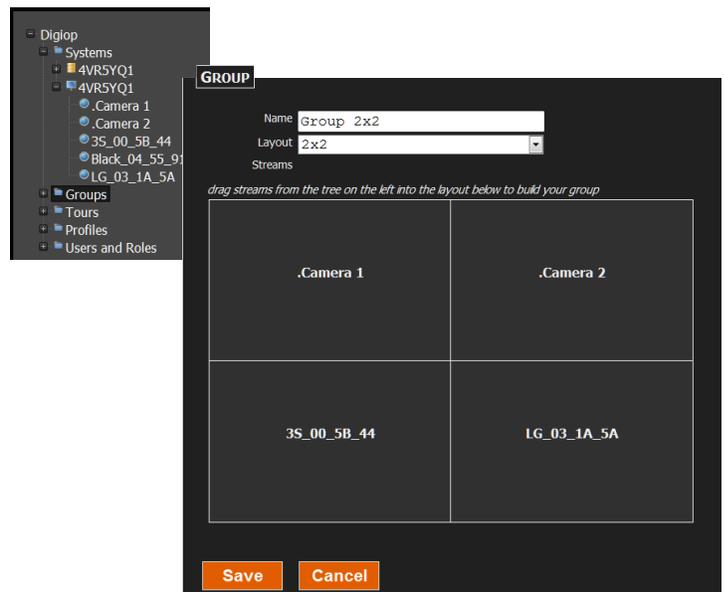
NOTE Some data streams may require additional licensing. For additional information about data streams, including data stream types and options, and setting up Rules, refer to the *DIGIOP® Elements Full User Manual*.



10 Create a Group

A group is a collection of cameras and/or data streams that can be displayed in a single window within DIGIOP® Connect. To create a group:

- Click the **Group** object in the tree to select it.
- Click the **New** button at the top of the window.
- In the **Group** menu:
 - Edit the Name field to identify your group.
 - Click the down arrow in the Layout field and select the viewing frame layout for your group. In the example to the right, a 2x2 frame layout was selected.
 - Drag a data or video stream created in the **Data Server** or **Video Server** branches to a frame in the layout. Repeat to add other cameras or data streams.
- Click **Save**.

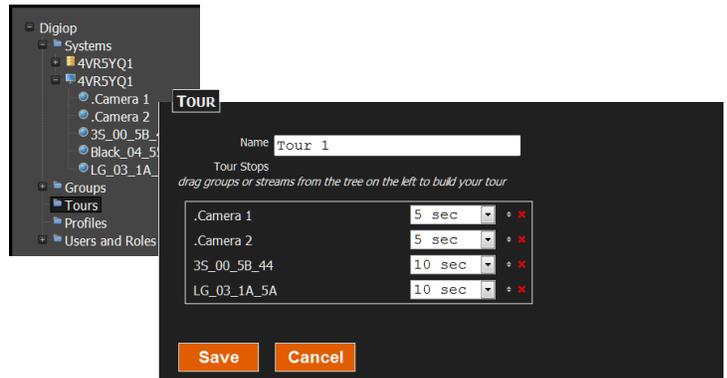




11 Create a Tour

A tour is a collection of cameras, data streams, and/or groups that play sequentially and indefinitely within DIGIOP® Connect. You can set the dwell time from 1 second to 5 minutes for each item in the tour. To create a tour:

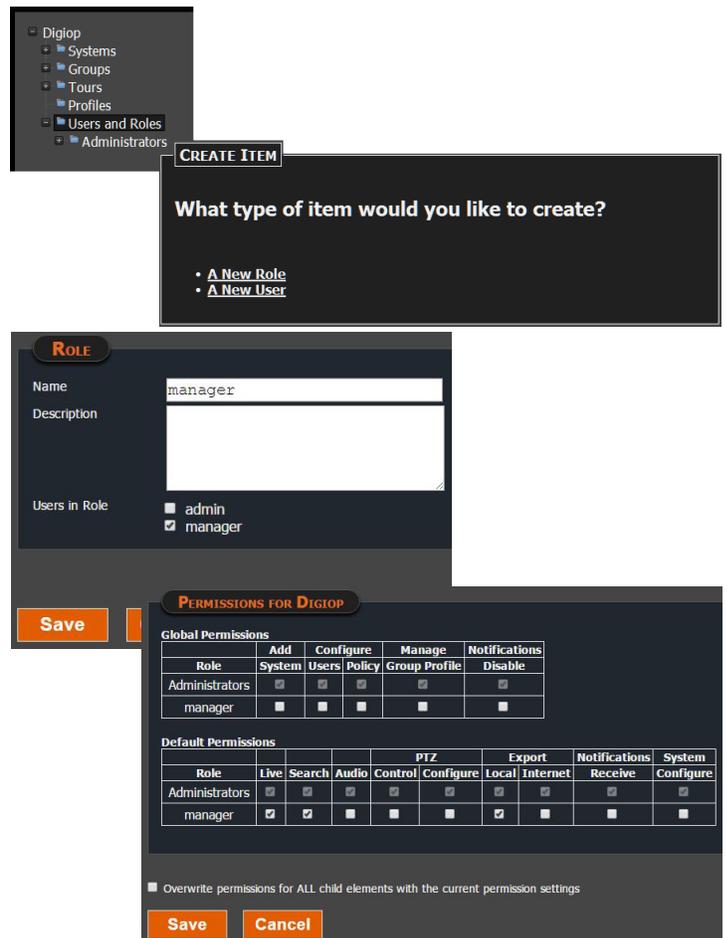
- Click the **Tour** object in the tree to select it.
- Click the **New** button at the top of the window.
- In the **Tour** menu:
 - Edit the Name field to identify the tour.
 - Drag cameras, data streams or groups to the box in the Tour menu. Repeat to add other items.
 - Use the up and down arrows to change the order of the items in the tour.
 - For each item added, click the drop down arrow to select the dwell time for the item.
- Click **Save**.



12 Roles and Permissions

A Role is a named set of system permissions assigned to users that allow them to perform a specific job function. By default, DIGIOP® Control contains the Administrator role, which includes all configurable permissions. Additional Roles, each with any combination of permissions, can be created for each type of system user. Refer to the *DIGIOP® Elements Full User Manual* for more information. To create a role:

- Click the **Users and Role** object in the left pane to select it.
- Click the **New** button at the top of the window.
- In the **Create Item** menu, click **A New Role**.
- In the **Role** menu, enter a **Name** for the role. You can also enter a description if needed.
- Click **Save** to create the role.
- Click the **Customer Name** in the left frame at the top of the tree. In the examples shown here, the Customer Name is **Digiop**.
- Click the **Permissions** icon at the top of the window.
- For the Manager role, click the check boxes to select permissions to assign to the role.
- You have the option to check **Overwrite permissions for ALL child elements with the current permission settings**. This will copy these newly assigned permissions to everything under the DIGIOP customer tree (Systems, Cameras, Data Streams, etc.).
- Click **Save**.

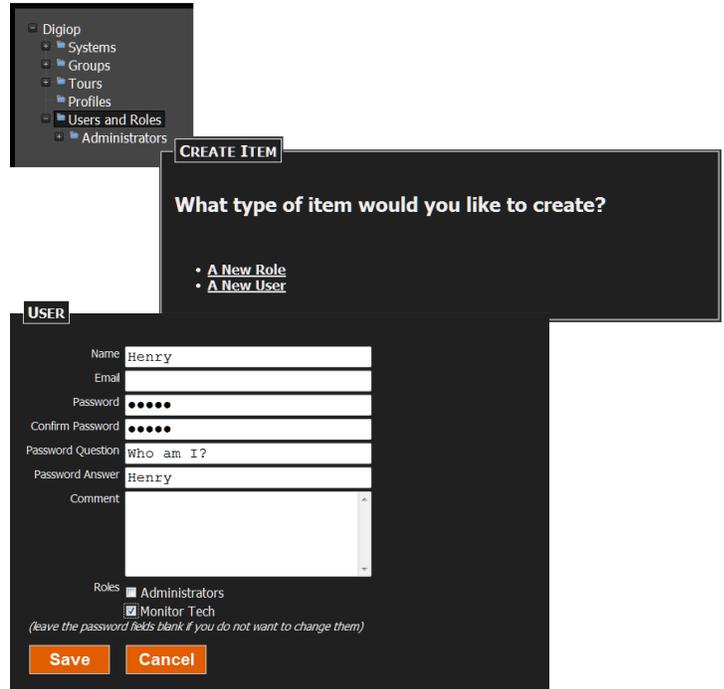




13 Create a User

A user represents a login credential with a specific role (set of permissions). To create a User:

- Click the **Users and Role** object in the tree to select it.
- Click the **New** button at the top of the window.
- In the **Create Item** menu, click **A New User**.
- In the **User** menu, enter a **Name**, **Password** and **Confirm Password**. Optionally, you can also enter an **Email** address, a **Password Question**, **Password Answer**, and **Comment** for the user.
- Select the Role for this user. In the example to the right, *Monitor Tech* was selected.
- Click **Save**.



14 View video and data from the Server

To view video and data from your server, use DIGIOP® Connect. Refer to the *DIGIOP® Connect Quick Start Guide* and *DIGIOP® Elements Full User Manual* for more information.

