Wisenet WAVE VMS v5 release

Hanwha Techwin

v5 Release

KEY NEW FEATURES

v5.0 is a full-featured release focused on cyber security, enhanced usability of existing features, and more administration capabilities including:

- Two-Factor Authentication (2FA)
- Advanced Object Search
- Metadata-Driven Archive Backups
- Web Page Proxy Via Server
- Resource Grouping
- Audio Mapping
- And more...

SECTION 01

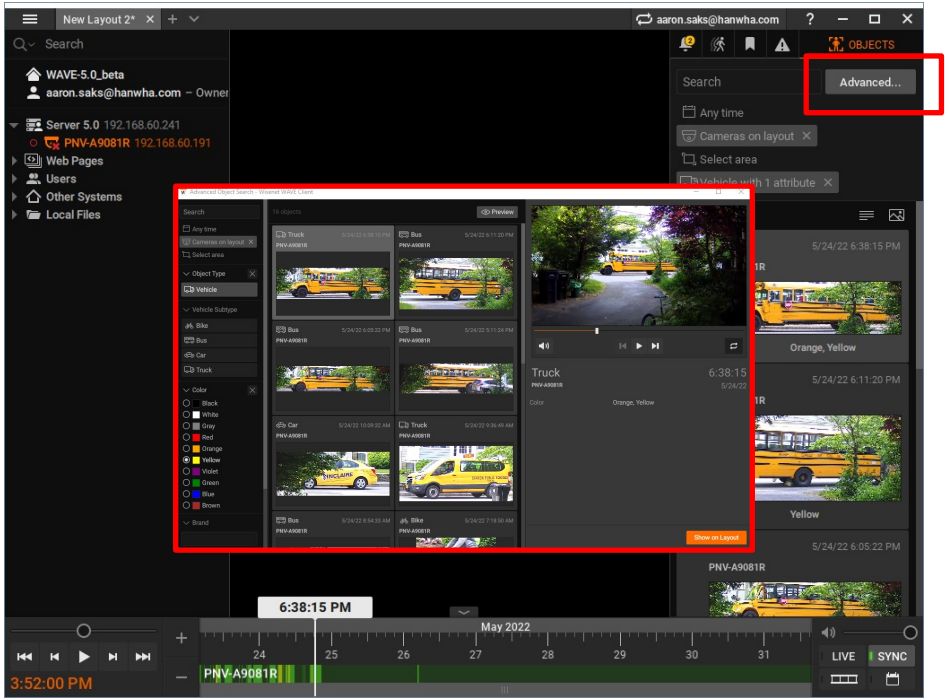
NEW USABILITY / ADMIN FEATURES

- ADVANCED OBJECT SEARCH
- METADATA DRIVEN ARCHIVE BACKUP OPTIONS
- WEB PAGE PROXY VIA SERVERS
- RESOURCE GROUPING
- AUDIO MAPPING
- DESKTOP CLIENT AUTOMATIC UPDATES
- SERVER WEB ADMIN INTERFACE DESIGN
- VIDEO PREVIEW THUMBNAILS

ADVANCED OBJECT SEARCH

Search for AI objects identified by AI cameras and stored with the video archives by attributes (e.g. object type, color, gender, age, clothing, license plate, etc) in a new pop-out window.

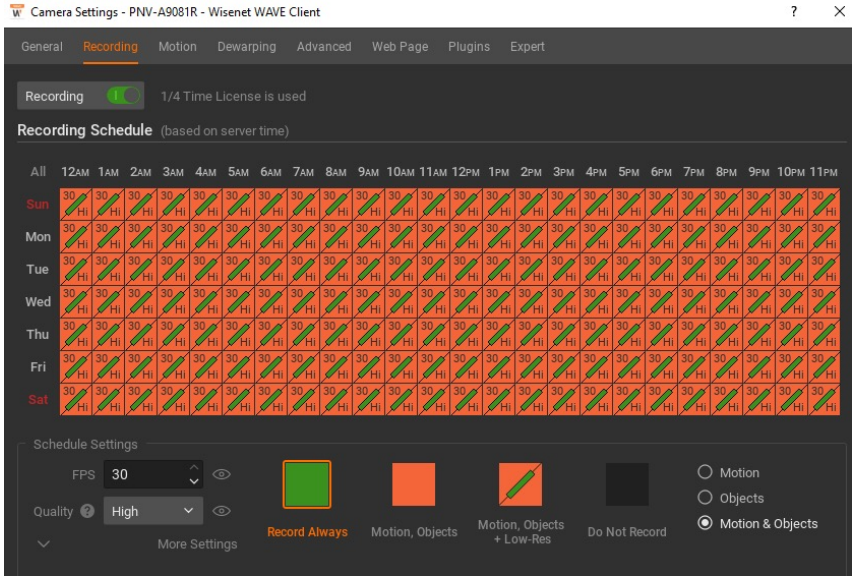
- Search based on object type and attribute (based on available plugins applied to camera(s)) on the Viewing Grid.



METADATA-DRIVEN RECORDING

Configure recording based on associated system metadata - including motion, bookmarks, or objects.

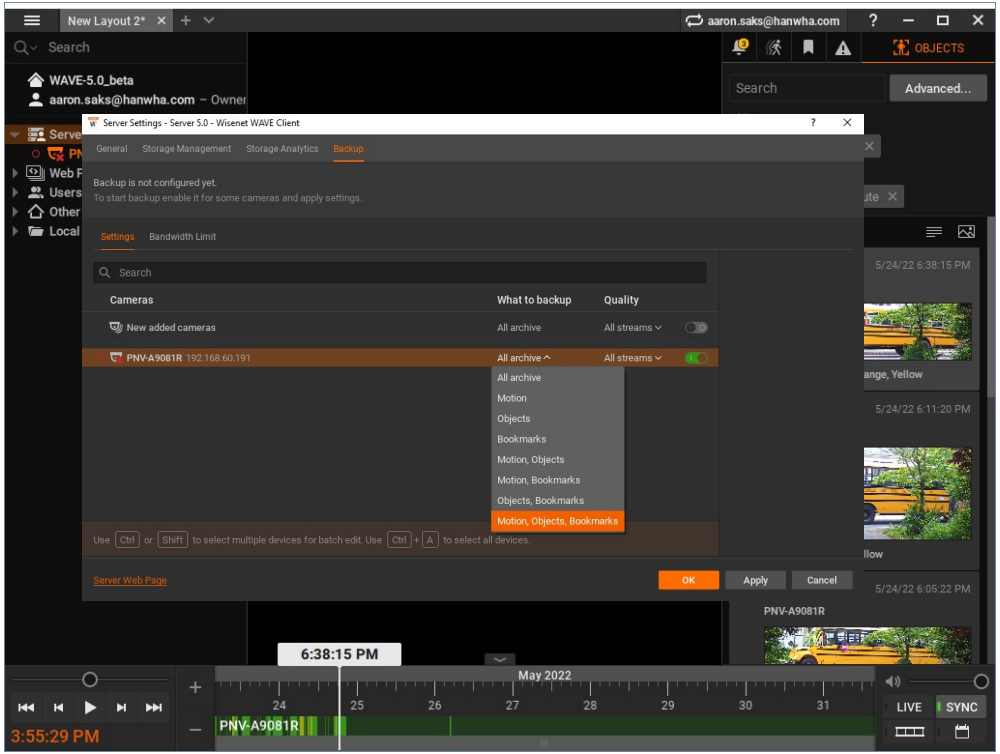
- Choose from the following options:
  - Continuous
  - Motion
  - Objects
  - Motion & Objects



METADATA-DRIVEN ARCHIVE BACKUP

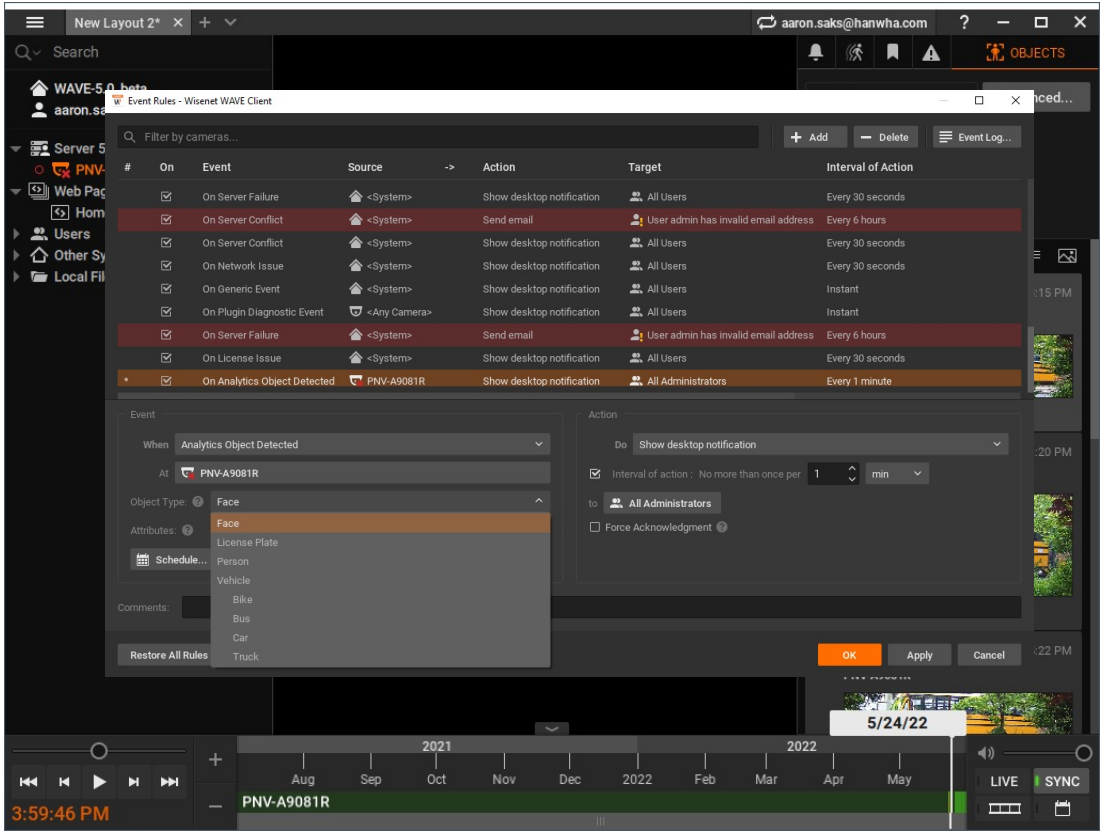
Configure archive backups to allow backup of recorded video archives based on associated system metadata - including motion, bookmarks, or objects.

- Choose from the following options:
  - All archive
  - Motion
  - Objects
  - Video
  - Bookmarks
  - Motion, Objects
  - Motion, Bookmarks
  - Objects, Bookmarks
  - Motion, Objects Bookmarks



AI OBJECT DETECTION EVENT RULE

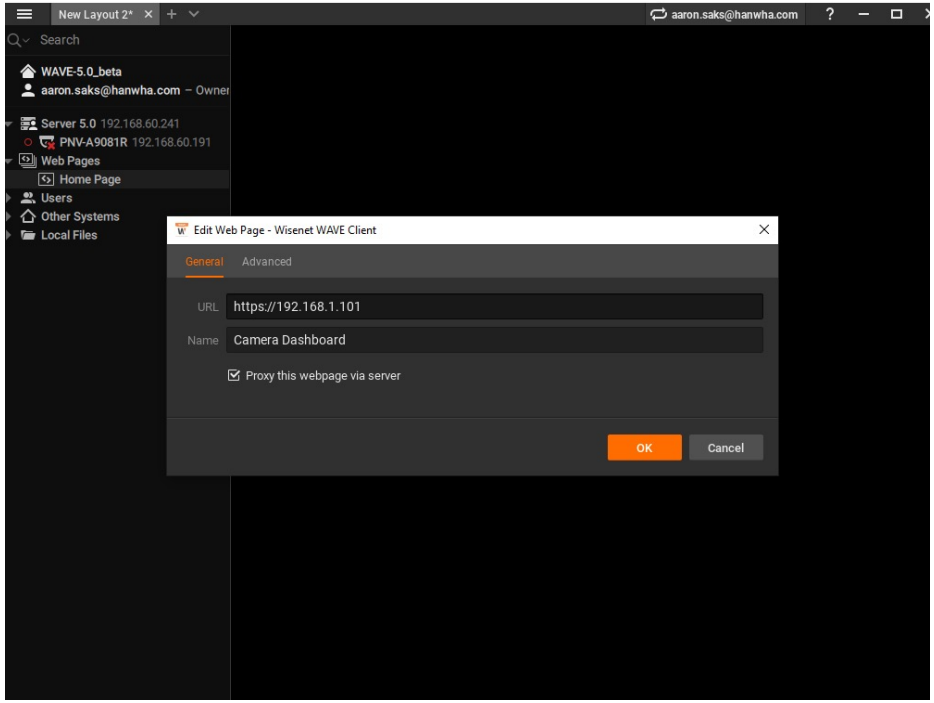
Generate an Event Rule action when a specific AI Object is detected.



WEB PAGE PROXY VIA SERVER

Proxy local devices or on-prem application web pages via the Server application and view via a remote secured connection.

- Allows for easy, secure access to integrated security products / devices as well as management of underlying IT infrastructure and related services.
- Useful for Wisenet Road AI dashboard and other device configuration without needing to be on site.



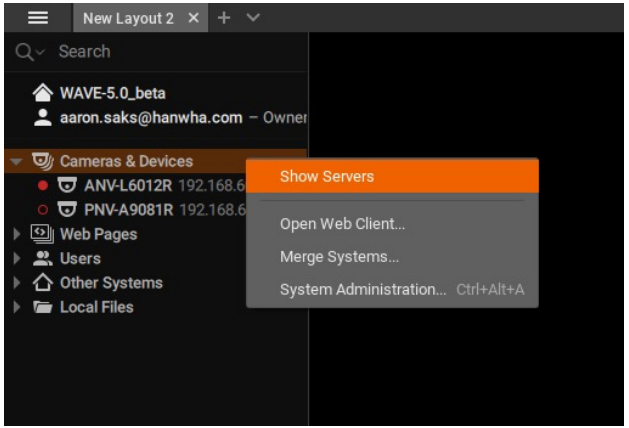
RESOURCE GROUPING

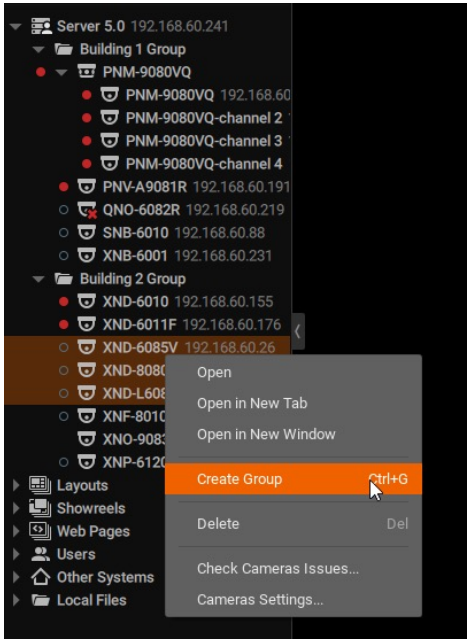
Group resources - cameras, streams, encoders, web pages - in Nx Desktop which can be used in roles and permissions for faster navigation of large systems.

Servers can be hidden for users who just need access to devices globally.

- Resource Groups can be shared via User Roles

Note: Groups are limited to the Server level and will disappear if dragged.

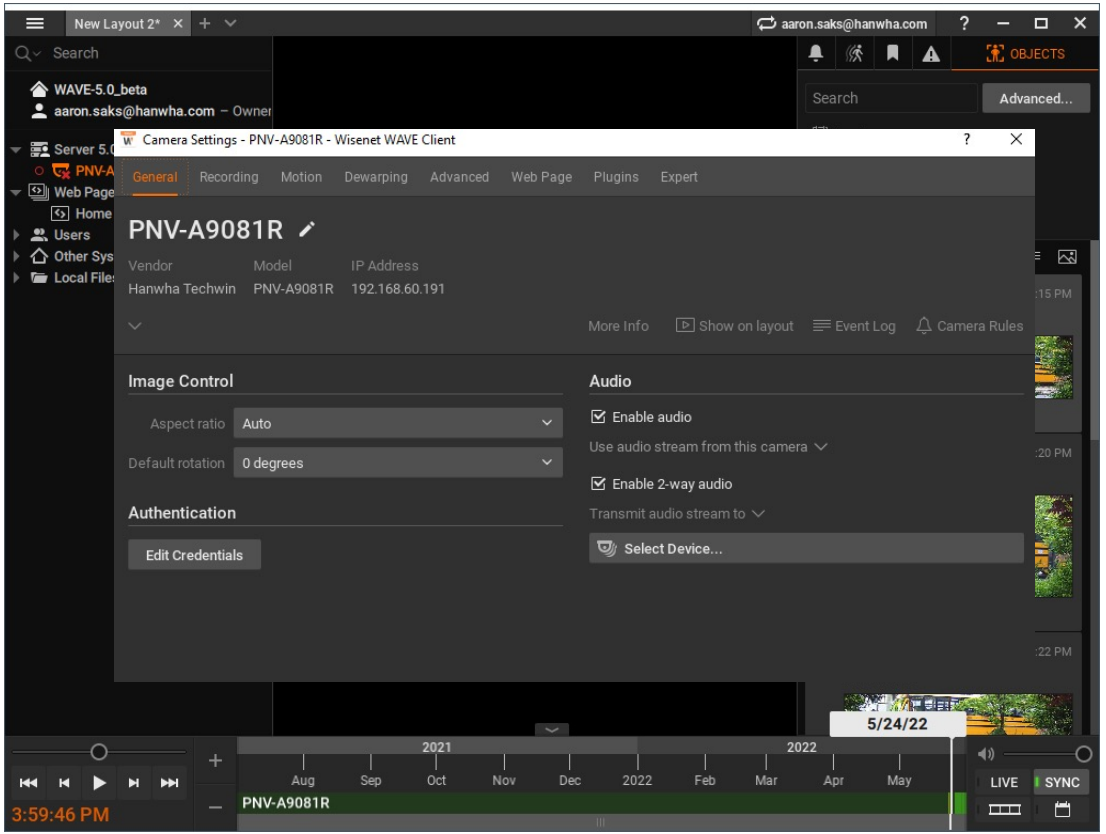




AUDIO MAPPING

Use audio capabilities from different devices together.

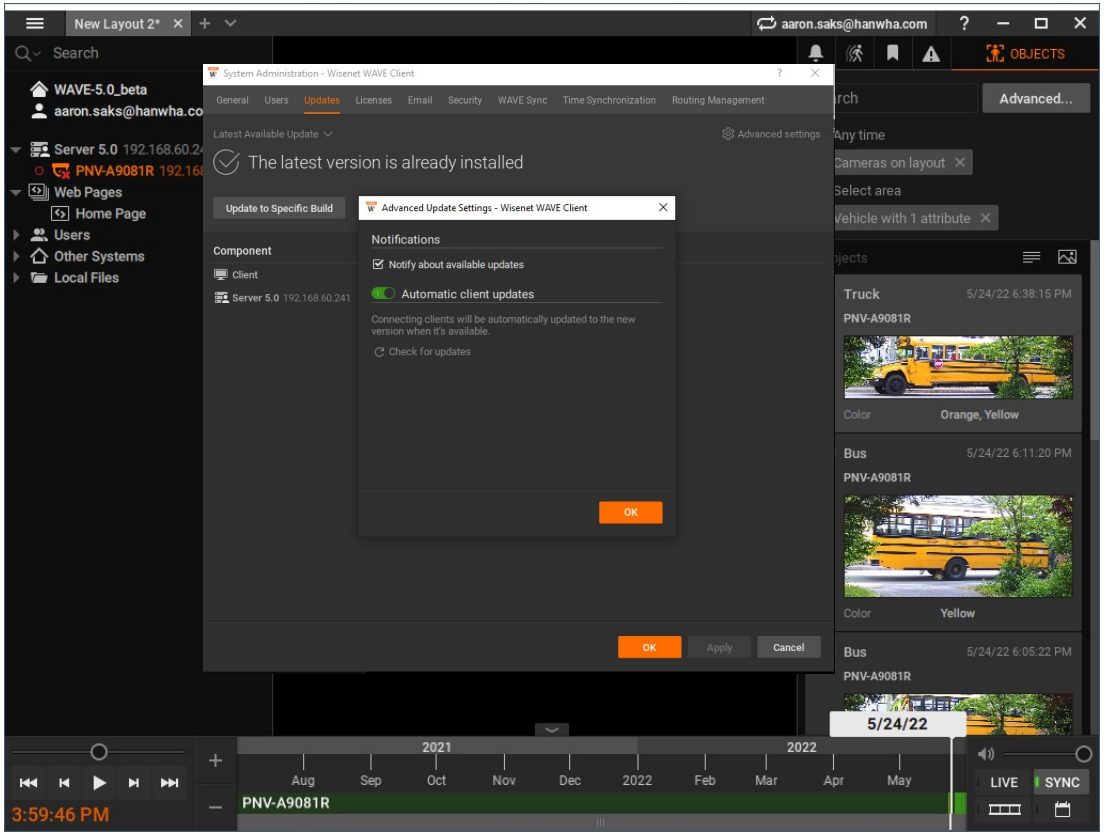
- For example:
  - An audio source from a camera or I/O module with a microphone can be used as an audio source for another camera.
  - A 2 way audio button can be placed on a camera without a microphone and used with a different camera that has a speaker attached to it.



DESKTOP CLIENT AUTOMATIC UPDATES

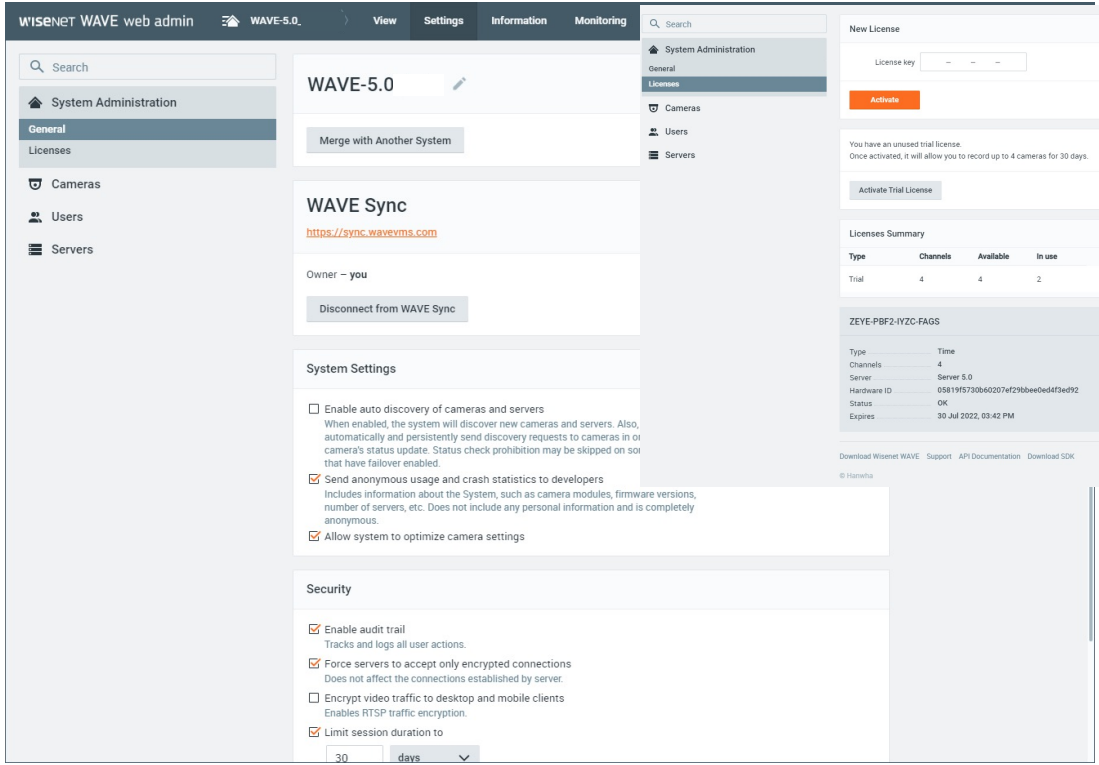
When enabled, the Desktop client can now download any available updates in the background and will prompt users to restart to receive the latest version.

Note: Auto-updates are optional and users can choose to disable them.



SERVER WEB ADMIN INTERFACE REDESIGN

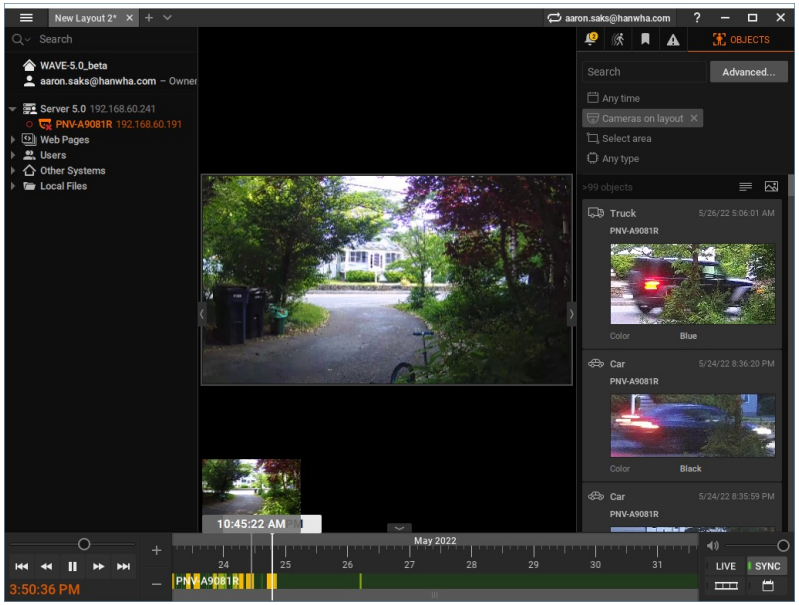
The Server Web Admin interface has been redesigned to allow administrators to add / remove users, as well as view detailed information about Servers, Cameras, and Licenses.



EASY PLAYBACK CONTROLS

Users can now hover over the timeline to preview video in thumbnail format in Windows and MacOS Desktop clients.

Instant playback – can playback from a few seconds ago.

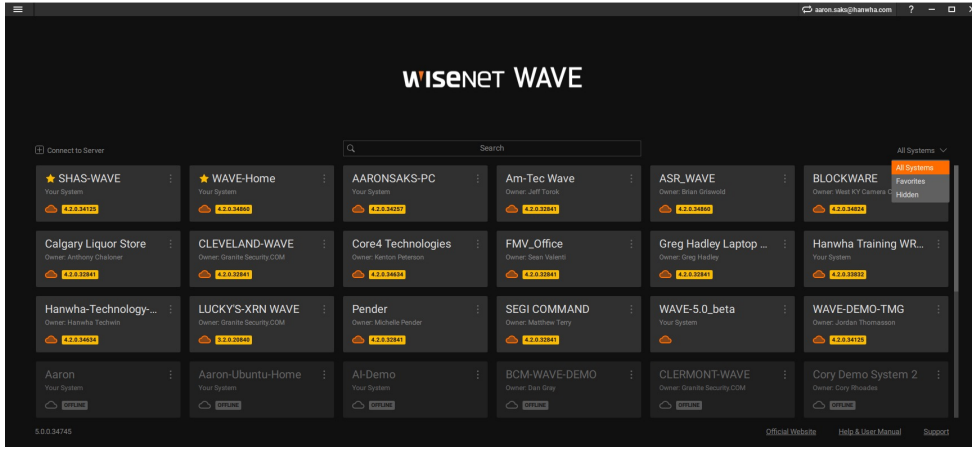


IMPROVED LOGIN PAGE

Easily sort, filter, and hide systems. The System login page now scrolls to accommodate large numbers of systems, improved sorting.

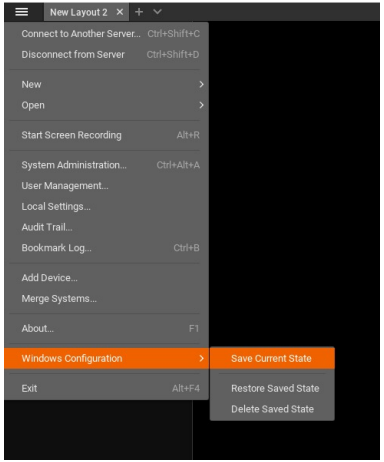
Search by:

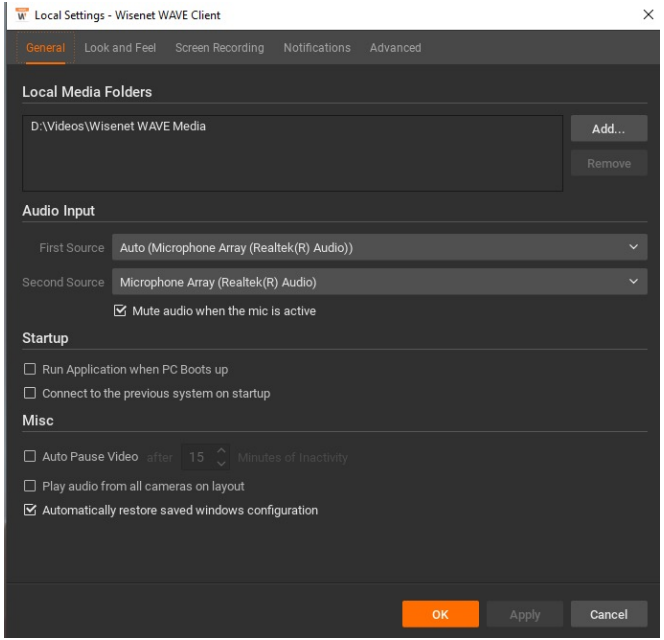
- System Name
- Server Name
- IP address (from any of the Servers discovered by the Desktop Client)
- System owner (only for cloud systems)
- User's email (only for cloud systems)



IMPROVED CLIENT WINDOW STATE

Easily save/restore the client state manually or automatically. This is useful for video walls and unattended displays to ensure they always display correctly.





UPDATED SUPPORTED PCs.

- The Desktop Client now works on Mac computers with Apple Silicon (e.g. Apple M1 chip).
- Added support for MacOS 12 (Monterey).
- Added support for Windows 11.
- Added support for Windows Server 2022.

SECTION 02

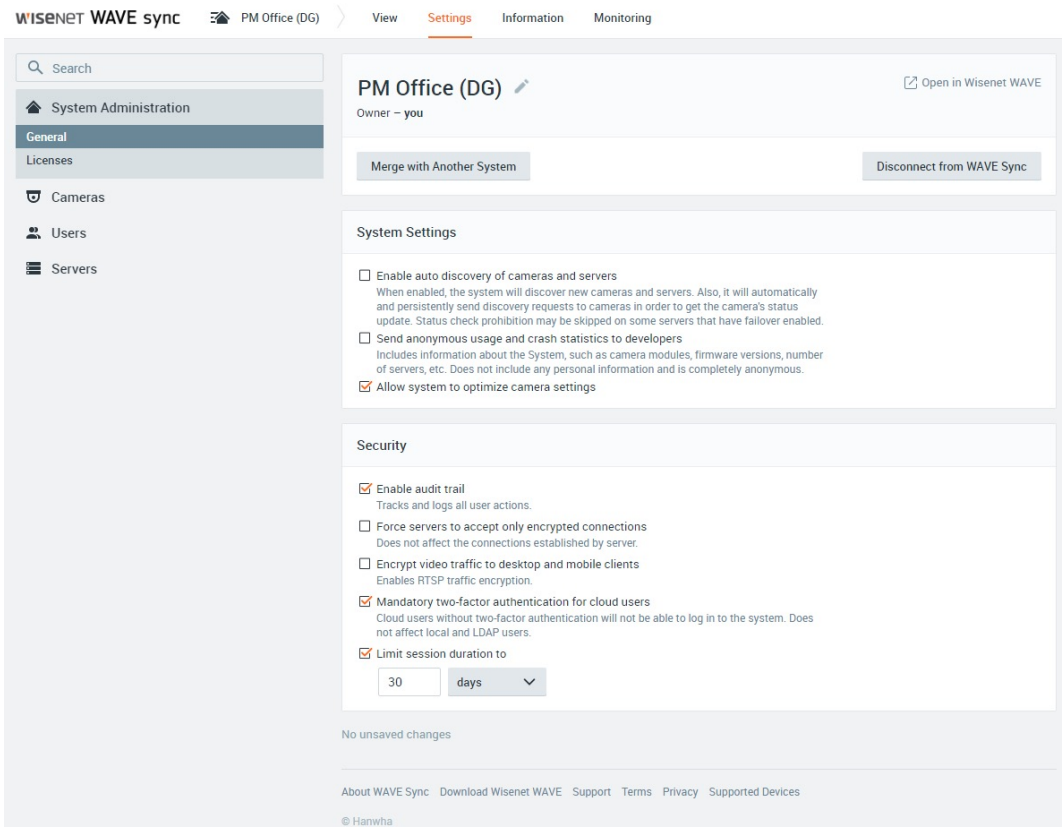
NEW CYBER SECURITY MEASURES

- TWO-FACTOR AUTHENTICATION (2FA)
- ENCRYPTED ARCHIVES
- MORE SECURED CONNECTIONS

TWO-FACTOR AUTHENTICATION

A system wide setting that forces all users with Cloud SYNC accounts to use an authentication app (Cloud supports Google Authenticator, Microsoft Authenticator or Duo Mobile) to verify their identity before logging in to a System.

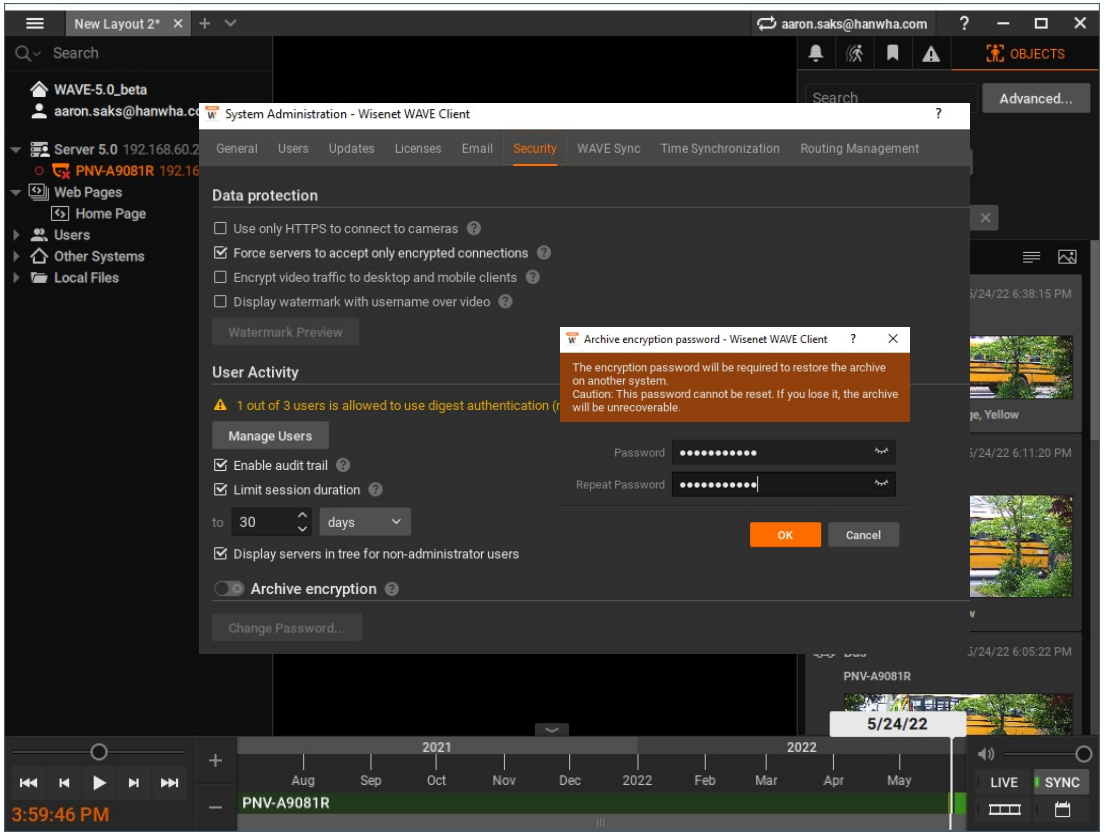
2FA must be enabled on the SYNC account, and non-2FA systems will not be accessible.



ENCRYPTED ARCHIVES

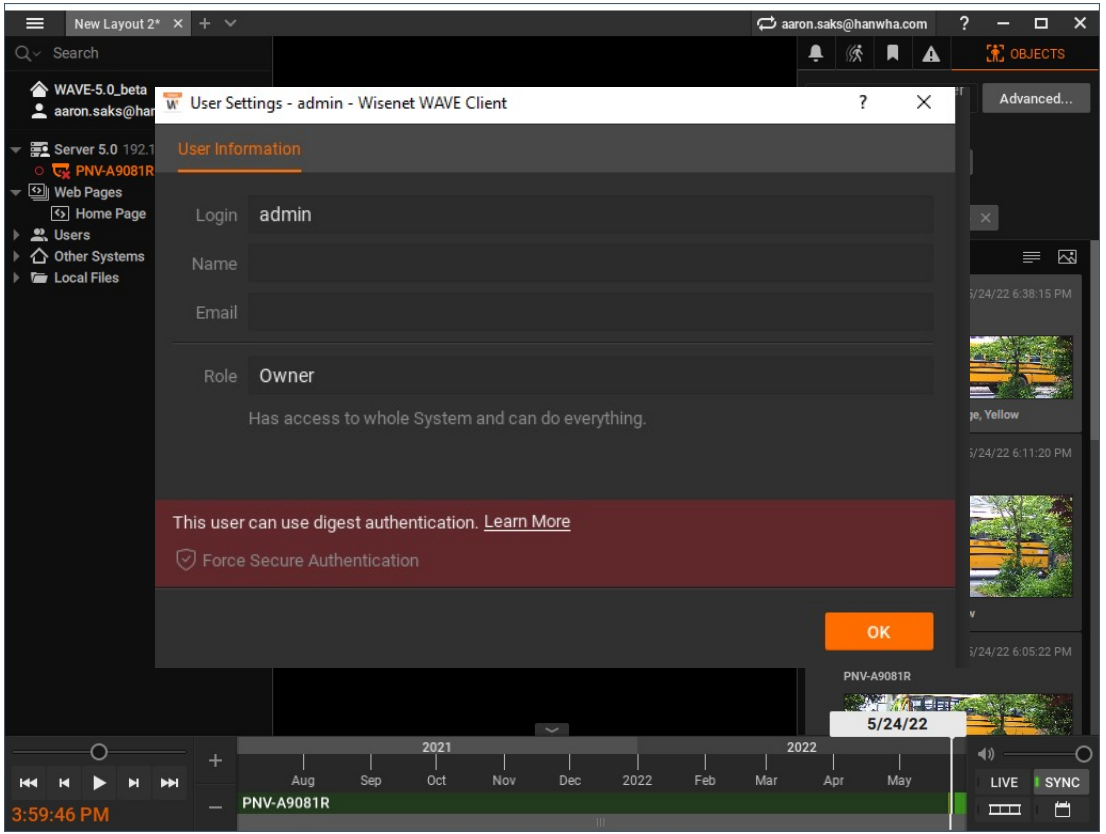
When enabled, recorded video archives will be encrypted and viewable only in the Desktop, Mobile, and Web clients. New Security tab consolidates settings.

- Works on any hard drive or storage medium.
- System owner creates the encryption key.



MORE SECURED CONNECTIONS

All VMS Server connections use SSL/TLS Certificate pinning to render man-in-the-middle attacks impossible. VMS Servers and Clients also use new session-based (bearer token) authentication by default. Digest authentication (depreciated) users can be filtered and upgraded as needed.



NEW / IMPROVED DEVICE INTEGRATION

- PTZ – Wiper, spin, heater soft triggers
- TID-600R button popup rule
- PTRZ/Varifocal lens control from Live UI
- SD card event rules
- Wisenet Road AI integration
- SPC-2000 integration
- Improved high FPS performance