
STUDENT GUIDE ADDENDUM

CompleteView

SALIENT SECURITY PLATFORM - VERSION 6.0.1.0 ADDENDUM

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Introduction

This training addendum highlights the major changes and additions to the CompleteView VMS software with the release of CompleteViewVersion 6.0.1.0.

Addressed changes by Category:

- | | |
|----------------------------------|---|
| Cameras - ONVIF | <ul style="list-style-type: none">• Multi-Stream Camera Functionality |
| Dashboard - Server Status | <ul style="list-style-type: none">• Dashboard Toolbar• Server Status |
| Configure Module | <ul style="list-style-type: none">• Locking navigation pane |
| Recording Servers | <ul style="list-style-type: none">• Changing Recording Server Regions |
| Alarm View - Audio | <ul style="list-style-type: none">• Toggle audio alarm notification on/off |

Multi-Stream Camera Functionality (Cameras - OnVIF)

CompleteView can pull up to 3 separate video streams from ONVIF Profile-S compliant cameras capable of multiple streaming profiles. The streams may be assigned to specific recording types (Continuous, Alarm, and Motion) as appropriate for the application. At this time, CompleteView does not support multi-stream functionality on analog, NVR, or encoder-based cameras.

For example, CompleteView can be configured to pull a low resolution, low bandwidth stream from a camera for Continuous recording, but upon either a Motion or Alarm event, automatically begin recording a higher resolution stream from the same camera. This "bump on alarm or motion" functionality allows for greater camera density, maximum conservation of storage space, and reduction of network bandwidth usage while automatically providing a higher resolution stream when necessary.

Licensing

Only one IP license is required for the camera for multi-stream functionality.

Multi-Stream Specifications

Some cameras come preconfigured with ONVIF users and profiles while some do not. In the latter case, an ONVIF user and ONVIF streaming profiles must be manually created on the camera before CompleteView can be configured to pull multiple streams. Consult your camera's documentation for configuration information. Once the profiles have been set up on the camera, they can be modified within the CompleteView interface.

One or more recording types may be assigned to each stream, but a given recording type may only be assigned once to that camera. For example, the primary stream may have both Continuous and Motion recording types assigned to it, but the secondary stream may only be assigned Alarm recording, as the primary stream takes up the other two recording types.

Recordings from all streams will be stored in the same camera directory and are accessible via standard search functionality and the Playback module within CompleteView. Motion detection, subscription to on-camera events, PTZ operations, and other CompleteView functions will occur only on the primary stream. When viewing a live stream, taking a snapshot will capture the actively viewed stream's frame to match the requested resolution.

Note: If an ONVIF camera configured for multi-streaming is later switched over to its named driver in CompleteView, some Recording Types checkboxes may remain visible, but be grayed out and non-functional.

Configuring a Multi-Stream Camera

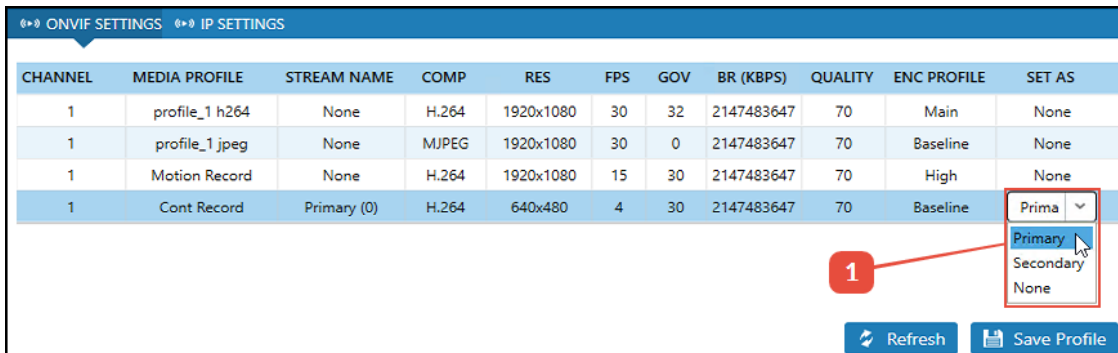
First, verify that an ONVIF user and profiles exist on the camera as described in its documentation. Next, either add the camera as an ONVIF camera as described in the previous section or change its driver in CompleteView to Generic ONVIF.

Add Primary and Secondary Streams

Once the camera is added, perform the following steps to create primary and secondary streams.

Steps:

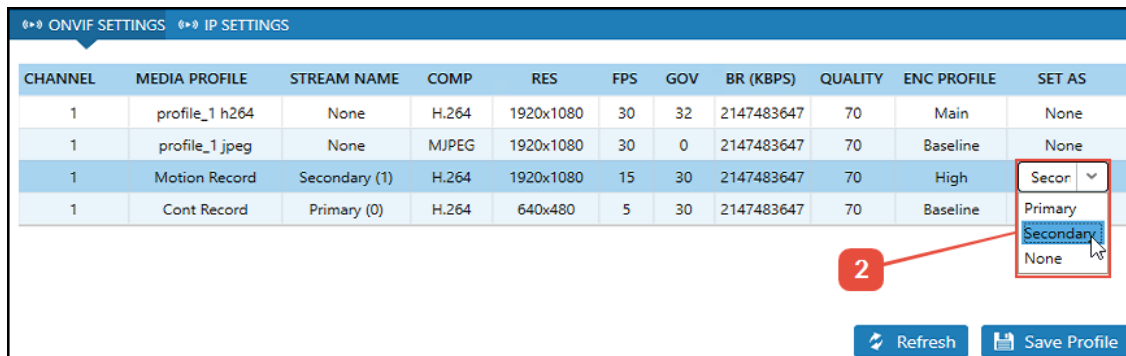
1. Select primary stream by clicking the 'Set As' dropdown menu and selecting Primary



The screenshot shows the ONVIF SETTINGS interface with a table of stream configurations. The 'SET AS' column for the first row is open, showing a dropdown menu with options: Primary, Secondary, and None. A red circle with the number '1' points to the 'Primary' option. Below the table are 'Refresh' and 'Save Profile' buttons.

CHANNEL	MEDIA PROFILE	STREAM NAME	COMP	RES	FPS	GOV	BR (KBPS)	QUALITY	ENC PROFILE	SET AS
1	profile_1 h264	None	H.264	1920x1080	30	32	2147483647	70	Main	None
1	profile_1 jpeg	None	MJPEG	1920x1080	30	0	2147483647	70	Baseline	None
1	Motion Record	None	H.264	1920x1080	15	30	2147483647	70	High	None
1	Cont Record	Primary (0)	H.264	640x480	4	30	2147483647	70	Baseline	Primary

2. Select secondary stream by clicking the Set As dropdown menu and selecting Secondary. One primary and up to two secondary streams are supported



The screenshot shows the ONVIF SETTINGS interface with the same table as above. The 'SET AS' column for the second row is open, showing a dropdown menu with options: Primary, Secondary, and None. A red circle with the number '2' points to the 'Secondary' option. Below the table are 'Refresh' and 'Save Profile' buttons.

CHANNEL	MEDIA PROFILE	STREAM NAME	COMP	RES	FPS	GOV	BR (KBPS)	QUALITY	ENC PROFILE	SET AS
1	profile_1 h264	None	H.264	1920x1080	30	32	2147483647	70	Main	None
1	profile_1 jpeg	None	MJPEG	1920x1080	30	0	2147483647	70	Baseline	None
1	Motion Record	Secondary (1)	H.264	1920x1080	15	30	2147483647	70	High	Secondary
1	Cont Record	Primary (0)	H.264	640x480	5	30	2147483647	70	Baseline	None

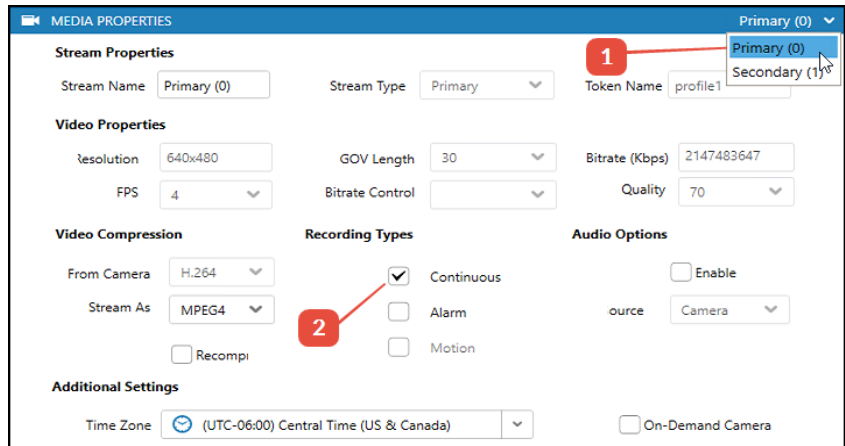
3. If desired, change the Stream Name and adjust the compression, resolution, FPS, GOV, bitrate, Quality, and encoder profile by clicking in the respective cells.
4. Save the profile

Assign Recording Types to Streams

Once the primary and secondary streams have been added and configured, follow the steps below to assign the recording types.

Steps:

1. Select the Stream from the dropdown menu of the Media Properties window
2. Select the Recording Type(s)
3. Save the Configuration

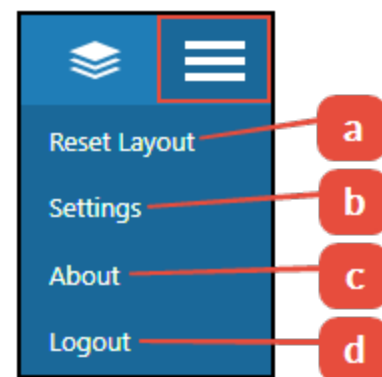
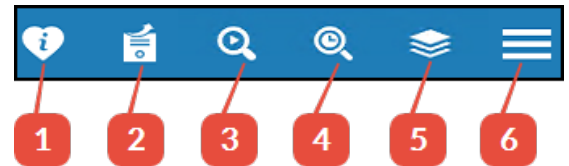


Repeat the steps above for the secondary stream(s).

Dashboard Toolbar

The toolbar resides at the top right corner of the Dashboard Task screen. The icons open one of four screens.

1. **Server Status** displays the status of all Recording Servers attached to the current Management Server (see below for more details)
2. **Server Overview** presents the Dashboard screen
3. **Search Video** launches playback for video retrieval
4. **Search Events** presents a list of motion, alarm, etc., events for playback
5. **Export Queue** displays a list of videos marked for export
6. **Menu** presents the following options:
 - a. **Reset Layout** returns the layout to its default state
 - b. **Settings** displays video stream options, detailed below
 - c. **About** displays the version information for CompleteView
 - d. **Logout** logs out of the client



Server Status

RECORDING SERVER STATUS								
<input type="text" value="Search"/>							<input type="button" value="Select All"/>	<input type="button" value="Unselect All"/>
SELECT	SERVER	ADDRESS	VERSION	STATUS	CAMERAS	VOLUMES	LAST UPDATED	
<input checked="" type="checkbox"/>	RS-T1	10.0.0.225	6.0.0.55	● Issues detected	✔	✘	6/24/2021 5:25:35 PM	
<input checked="" type="checkbox"/>	RS-T2	10.0.0.226	6.0.0.55	● Good	✔	✔	6/24/2021 5:25:35 PM	
<input checked="" type="checkbox"/>	RS-T3	10.0.0.227	6.0.0.55	● Issues detected	✘	✔	6/24/2021 5:25:35 PM	
<input checked="" type="checkbox"/>	RS-T4	10.0.0.228	6.0.0.55	● Good	✔	✔	6/24/2021 5:25:35 PM	

Selecting the Server Status icon will present a list of all Recording Servers currently attached to the deployment's Management Server. Either select the desired servers and click Scan Selected Servers or click Scan All Servers. The server list is searchable and sortable.

Status Color	Meaning(s)
Green	Good - Server is online, no issues found
Yellow	Issues detected - Server is online, issues with either cameras or volumes found
Red	Scan error - Server is online, internal error when scanning for issues Unable to connect - Could not connect. Usually indicates the server is offline.
Black	Not yet connected - The server has not been scanned Pending scan - Scanning in process Scan interrupted - The scanning process was interrupted, and results may be incomplete

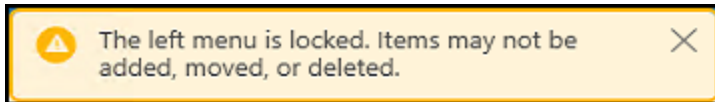
The Cameras and Volumes columns will display either a red X or a green checkmark. Cameras are flagged if not recording to disk due to being disabled, sync lost, or a recording failed error. A volume is flagged if it is offline or if no free space is available.

Double-clicking a listed Recording Server will display its Dashboard.

Configure Introduction

The Configure Task is divided into four subpanels: Common Settings, Recording Servers, Views/Maps, and Users/Groups. Each subpanel has been designed and labeled to clearly identify its purpose. From here, administrators may adjust the settings for each of those areas of functionality.

The Navigation Pane within the Configure module may be locked to prevent changes. Select the lock icon to lock and unlock the Navigation Pane. When the navigation pane is locked, nothing can be added, moved, or deleted.



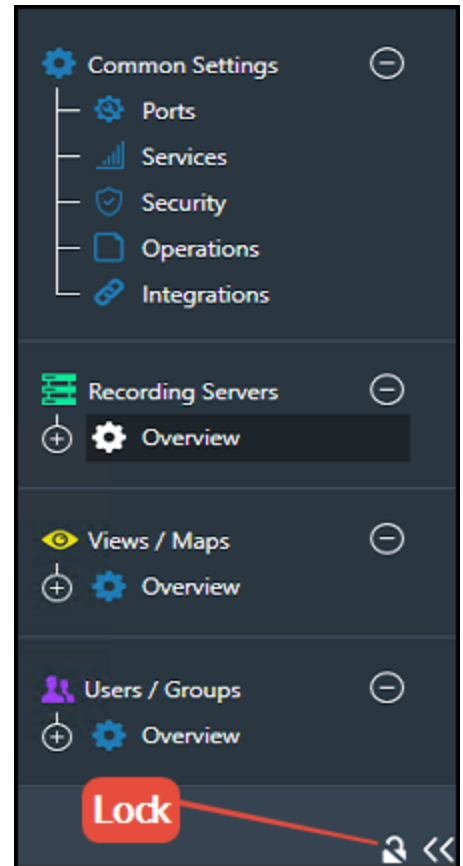
Locked



Unlocked



Across the top of the configure module lies the Configuration Menu.

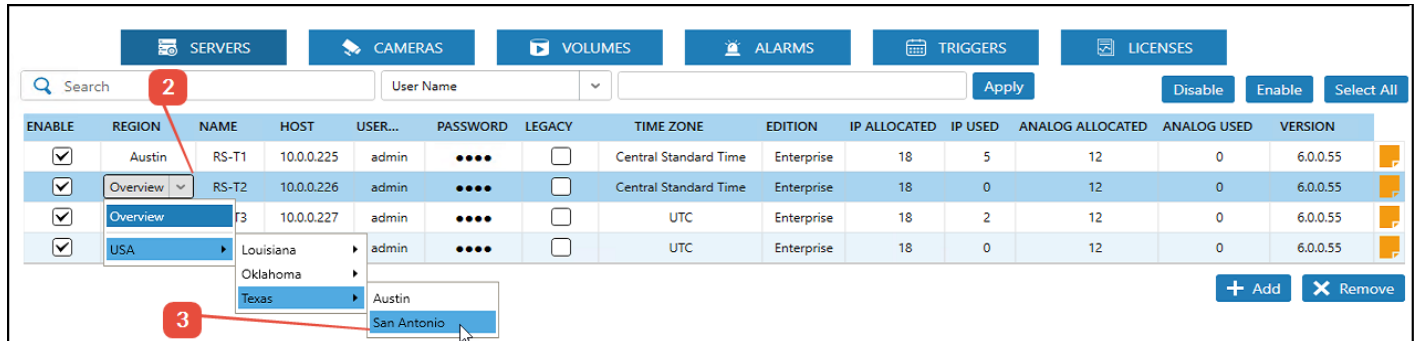


Changing a recording Server Region

A Recording Server's region may be changed after the original assignment. Recording servers may be dragged and dropped anywhere within the regions and sites hierarchy. Additionally, Recording Server regions may be assigned and changed from the recording server overview screen.

Steps:

1. Select Overview from the Recording Servers panel of the Navigation Pane
2. In the Recording Server Overview screen, select the region dropdown for the server
3. Select the new region
4. Save the configuration

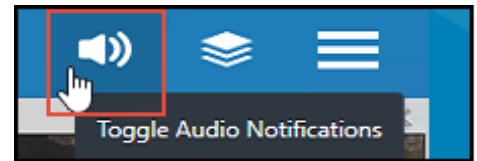


The screenshot shows the Recording Server Overview screen. At the top, there are navigation tabs for SERVERS, CAMERAS, VOLUMES, ALARMS, TRIGGERS, and LICENSES. Below the tabs is a search bar and a User Name dropdown. The main area contains a table of recording servers. The table has columns for ENABLE, REGION, NAME, HOST, USER..., PASSWORD, LEGACY, TIME ZONE, EDITION, IP ALLOCATED, IP USED, ANALOG ALLOCATED, ANALOG USED, and VERSION. The first three rows are highlighted in blue. The first row is RS-T1, RS-T2, and RS-T3. The second row is RS-T2, and the third row is RS-T3. The REGION column for RS-T2 and RS-T3 is open, showing a dropdown menu with options: Austin, Louisiana, Oklahoma, Texas, and San Antonio. A red circle with the number 2 is around the REGION dropdown for RS-T2, and a red circle with the number 3 is around the San Antonio option in the dropdown menu. At the bottom right of the table, there are buttons for + Add and X Remove.

ENABLE	REGION	NAME	HOST	USER...	PASSWORD	LEGACY	TIME ZONE	EDITION	IP ALLOCATED	IP USED	ANALOG ALLOCATED	ANALOG USED	VERSION
<input checked="" type="checkbox"/>	Austin	RS-T1	10.0.0.225	admin	••••	<input type="checkbox"/>	Central Standard Time	Enterprise	18	5	12	0	6.0.0.55
<input checked="" type="checkbox"/>	Overview	RS-T2	10.0.0.226	admin	••••	<input type="checkbox"/>	Central Standard Time	Enterprise	18	0	12	0	6.0.0.55
<input checked="" type="checkbox"/>	Overview	RS-T3	10.0.0.227	admin	••••	<input type="checkbox"/>	UTC	Enterprise	18	2	12	0	6.0.0.55
<input checked="" type="checkbox"/>	USA	Louisiana		admin	••••	<input type="checkbox"/>	UTC	Enterprise	18	0	12	0	6.0.0.55
		Oklahoma											
		Texas											
		Austin											
		San Antonio											

Toggle Audio Notifications - Alarm View Module

On the right side of the Main Menu Bar is the Toggle Audio Notification icon. Selecting this icon will toggle audio notifications for alarms and motion on and off. The alarm and motion tones use windows chime sounds, and can not be modified at this time. Audio notifications are on by default.



The audio icon indicates the status of audio notifications:

Notifications On



Notifications Off



Additional Resources

Visit the Salient website, www.salientsys.com, for additional support and CompleteView training:

- Manuals & Documentation (<https://support.salientsys.com/hc/en-us/categories/115000292747-Knowledge-Base>) – Includes all relevant manuals.
- Online Tech Support (<https://support.salientsys.com/hc/en-us>) – Get quick access to online tech support modules that cover the most frequently asked product questions, such as “Adding IP Camera Licenses.”
- CompleteView™ Classroom Certification – Instructor-led two (2)-day course, held in a virtual classroom setting, designed to provide you with certification on CompleteView video management software.
- Certification is valid for two years. Please visit the Salient student registration portal at <https://salientsys.gosignmeup.com/public/course/browse>. Contact training@salientsys.com for questions.

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