tyco | American Dynamics

AMAG Integration for victor Client

User Guide

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5.6

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Johnson Controls

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Introduction

This documentation covers the installation of victor AMAG Integration and an overview of the AMAG Integration features and benefits.

The victor AMAG Integration driver provides a powerful, flexible and easy to use Graphical User Interface (GUI) for managing AMAG infrastructure through victor unified client from American Dynamics.

Assumptions

It is assumed that the end users and the installers of the AMAG Integration have relevant experience and a good working knowledge in the following fields:

- victor Unified Platform
- Windows Operating System
- Configuring Physical Security Environments

Note:
Partners, Customers and Resellers configuring Tyco products should have relevant Tyco product training completed.

AMAG Requirements

This integration supports connection to AMAG System through the AMAG Server utilizing the AMAG API.

The connection is to the AMAG database, therefore the server and the network or port should be configured to allow the connection from the victor Application Server to the AMAG database.

The integration between victor and AMAG supports Alarm or Device filtering that is configured on the AMAG server. This feature is included in the AMAG v9.3 feature pack.

victor Application Server

victor Application Server stores all data, operator profiles, roles and event information and video recorder or camera objects.

Dual modes of user authentication allow users to login using Active Directory credentials or through a Basic method which does not require a domain controller.

Operator profiles are portable and allow users to move from one victor client to another, and the credentials remains same regardless of the PC.

victor Application Server restricts devices and features than an operator can access by assigning roles and by using victor's included policy management. Permissions are set system wide for access objects.

Any feature can be limited and updated as situations allows. victor also journals and tracks what has happened on your systems, such as operator activities and device history, creating an audit trail.

victor Unified Client

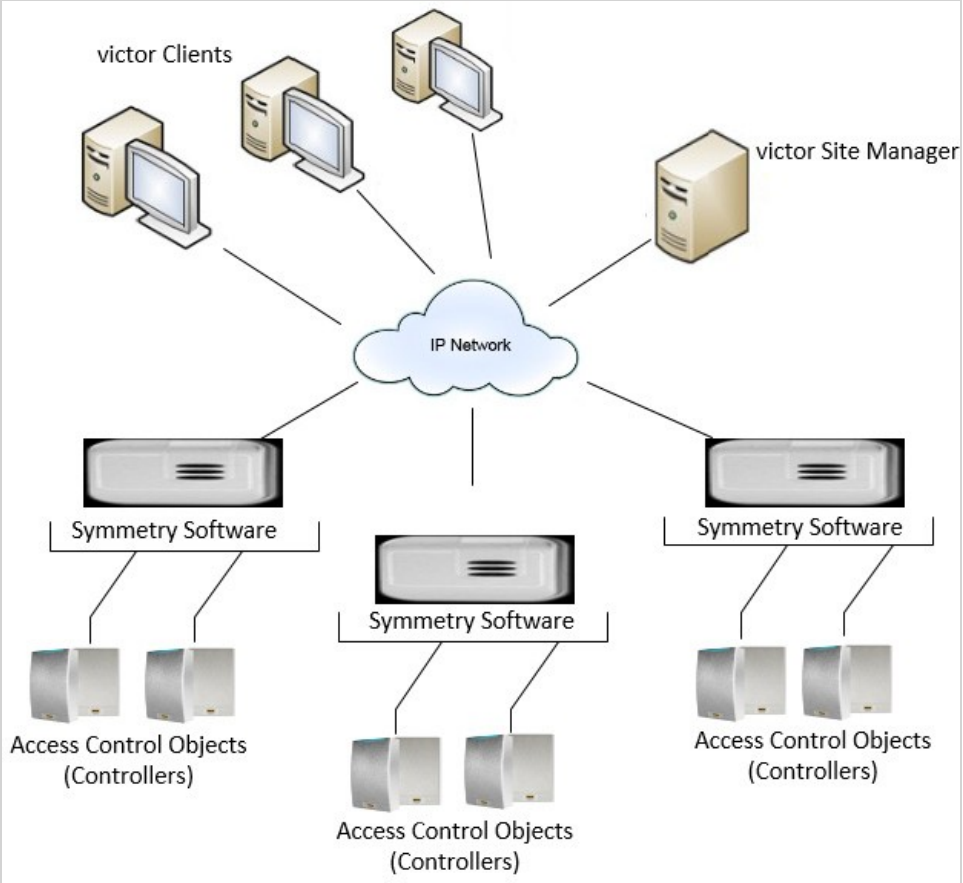
Victor unified client connects to the victor Application Server, allowing event management, observation and monitoring.

Licensing

The AMAG driver is a licensed integration for victor. Please contact American Dynamics support for an AMAG Driver Server license. Once the new license is applied, all the Framework or Extension services will restart. In the Server Configuration Application, the AMAG Driver Service will display as Stopped. Check the box and click Start.

Note:
The Server Configuration Application should be Run as Administrator (right-click Server Configuration and then click Run as Administrator) to make this change.

Figure 1: Figure 3-1 System Overview



Features

The objective of the victor AMAG Integration is to provide a standard, single interface between AMAG devices and American Dynamics victor Unified Management product.

AMAG Integration supports the AMAG Access Control feature.

Installation

Minimum Requirements

Hardware

AMAG Integration has the same hardware requirements as victor Unified Client and victor Site Manager. Therefore, if the machine can successfully run victor then it will satisfy AMAG Integration requirements.

Software

- AMAG victor Integration v1.2.38.5693
- victor Application Server: v3.91.368.477
- victor Unified Client: v5.6

Pre-Installation Tasks

Before installing the AMAG Integration, ensure the following:

On the victor Application Server:

- You must have appropriate Windows permissions.
- You must be a member in the local Administrators group, or have equivalent privileges.
- The victor Application Server must be installed with the AMAG Integration.

On the Clients:

- You must have appropriate Windows permissions.
- You must be a member in the local Administrators group, or have equivalent privileges.
- The victor client must be installed.

Installing the AMAG integration

The AMAG Integration Driver can be installed on the victor Application Server.

Note:
It is recommended to stop the CrossFire Framework Service, and close the Server Configuration application before running the driver installer.

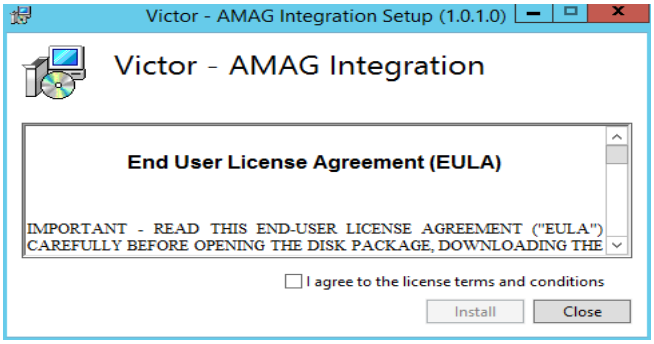
Procedure 1 Installing AMAG on victor Application Server

1 Close all running programs and stop all services.

2 Navigate to http://www.americandynamics.net and download the appropriate version of the AMAG Software Driver.

3 Double-click the `AMAGSetup_xxxx_AD.exe` file to launch the installer. The AMAG Integration Setup dialog box opens.

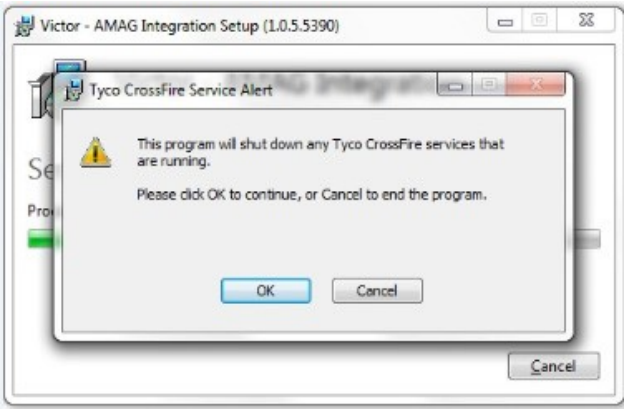
Figure 2: AMAG Integration Setup Dialog Box



4 Read the End User License Agreement (EULA), select the **I agree to the license terms conditions** check box, and then click **Install**.

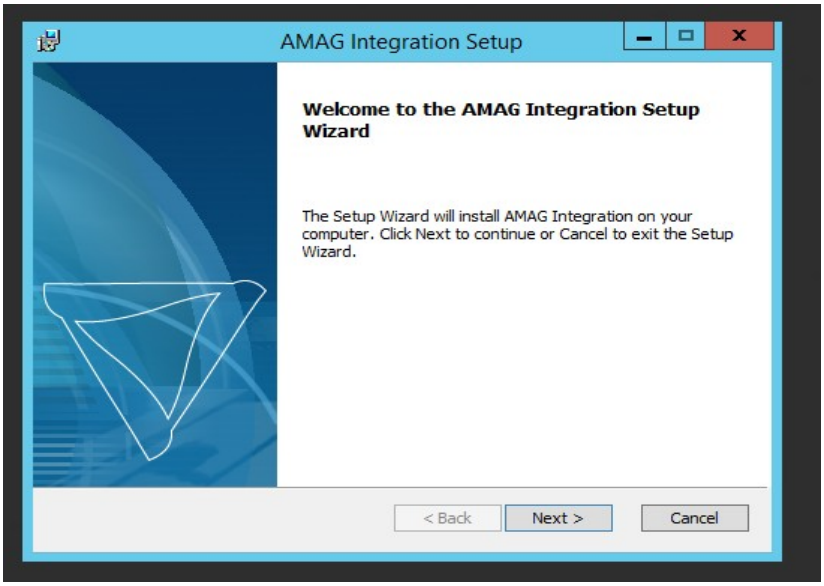
5 The Tyco CrossFire Service Alert dialog box shown in appears if you are installing the AMAG Integration on a victor server and the CrossFire service is running. When the CrossFire services are stopped the Tyco CrossFire Service Alert dialog box does not appear.

Figure 3: Preparing to Install Dialog Box



6 Click **OK** to shut down CrossFire services and to continue with the installation. The AMAG Integration Setup Wizard appears.

Figure 4: AMAG Integration Setup Wizard

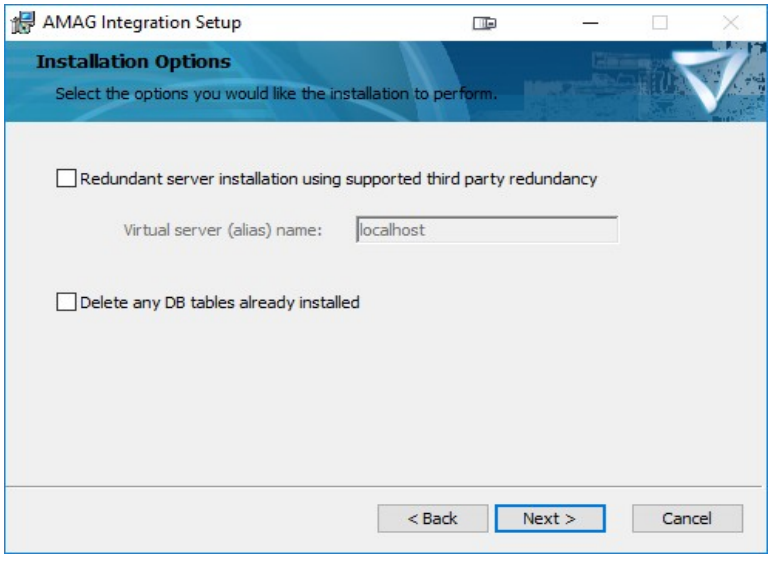


7 Click **Next**. The Installation Options screen appears.

8 If you are installing the driver in a redundancy environment, then select the **Redundant server installation using supported third party redundancy** option and the enter the **Virtual Server (alias) Name** of the Redundant Environment.

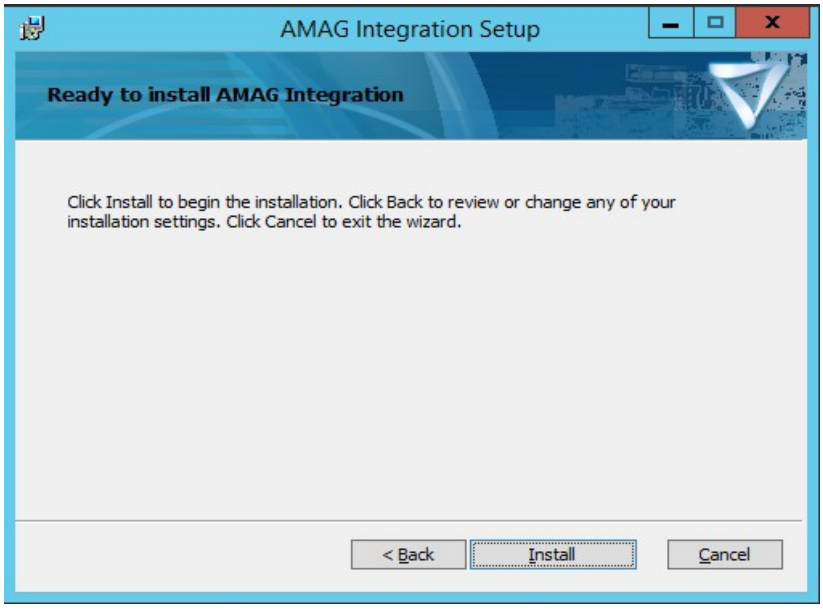
9 If you are installing a completely new version of the AMAG tables and overwriting the current installation, then select the **Delete any DB tables already installed** option. If it is a new installation, then do not select the **Delete any DB tables already installed** option.

Figure 5: Installation Options



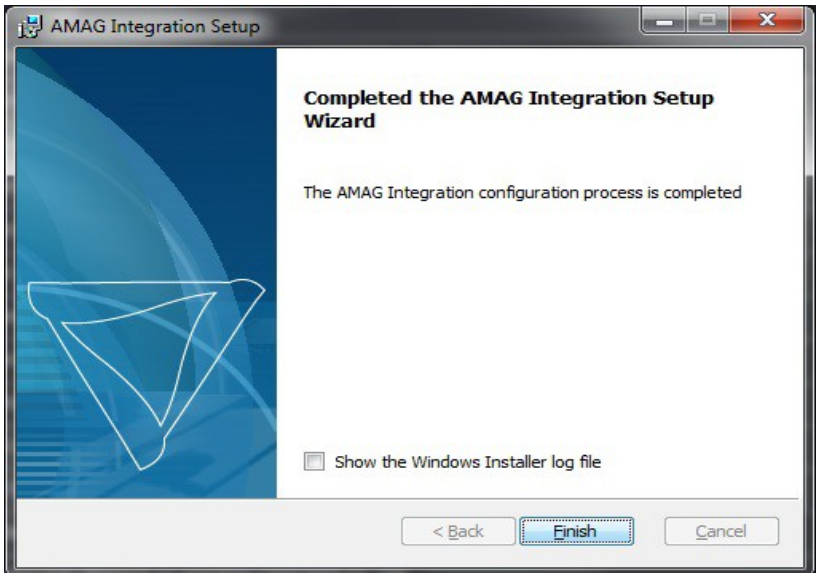
10 Click **Next**. The Ready to Install AMAG Integration dialog box appears.

Figure 6: Database Server Dialog Box



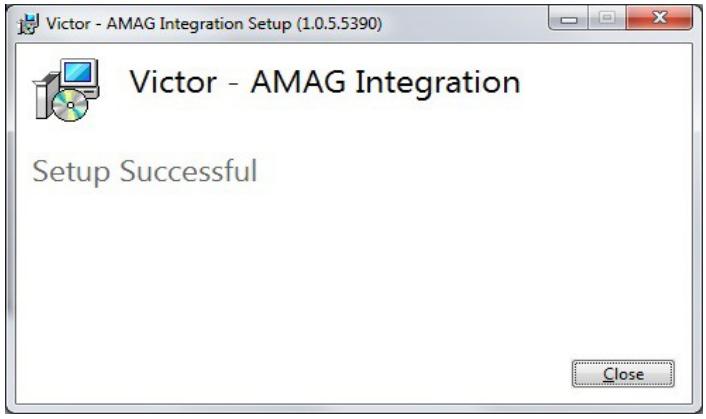
11 Click **Install** to start the installation, or click **Back** to review or change the installation settings. Once installation is completed, the Completed the AMAG Integration Setup Wizard. This operation may take a few minutes.

Figure 7: Completed the AMAG Integration Setup Wizard



12 Click **Finish** to exit the Setup Wizard. The Setup Successful dialog box opens.

Figure 8: Setup Successful Dialog Box



13 Click **Close** to exit the AMAG Installation.

Initial Configuration

Procedure 2 Configuring the Server Services

Note:
Services may start automatically after installation, depending on the Windows configuration.

1 Launch the Server Configuration Application by completing the following steps:

- a From the Windows **Start** menu, click **All Programs** and then click **Tyco**.
- b Right-click **Server Configuration** and then click **Run as Administrator**. Server Configuration Application page opens.

2 Restart the CrossFire Services:

- a On the **Server Configuration Application** page, click to open the **Services** tab.
- b In the **Framework Services** area, click the **Stop** button beside **Crossfire Framework Service** to stop all services. Wait for the status to change to **Stopped**.
- c Click the **Start** button beside **Crossfire Framework Service** and wait for the status to change to **Running**.
- d Click the **Start** button beside **Crossfire Server Component Framework Service** and wait for the status to change to **Running**.
- e In the **Extension Services** area, locate the **AMAG Driver Service**. Select the **Enabled** check box and then click the **Start** button. The status of the AMAG Driver Service changes to **Running**.

3 Repeat step 2.e for each Extension Service which corresponds to hardware connected to your system, such as **American Dynamics VideoEdge Driver Service** for American Dynamics VideoEdge video recorders.

4 Close the **Server Configuration Application**.

5 Double-click the **victor Unified Client** desktop icon to launch.

victor Integration Information

Roles

victor Roles support AMAG Integration device privileges, therefore all context menu actions associated with the devices are added to existing victor Roles which can be edited accordingly. For more information on Roles, refer to the victor Unified Client Configuration and User Guide.

Reports

victor's Reports selection tool and Find in Journal feature support AMAG Integration objects. For more information on Reports and the Find in Journal feature, refer to the victor Unified Client Configuration and User Guide.

Events

victor Events supports AMAG Integration objects allowing you to detect, monitor and record specific activities on the system. For further information on Events, refer to the victor Unified Client Configuration and User Guide.

Maps

victor Maps and Find on Map features support AMAG Integration objects. For more information on Maps and the Find on Map feature, refer to the victor Unified Client Configuration and User Guide are available on the American Dynamics website http://www.americandynamics.net.

AMAG Integration Configuration

AMAG Servers and all underlying hardware configured and connected to AMAG can be added to victor. To add an AMAG connection to victor, carry out the following steps:

Procedure 3 Adding AMAG Server

1 Select the **Create New Item** icon.

2 Select the **AMAG Server**.

3 Enter a Name of the server in the **Name** field and optionally a Description of the Server in the **Description** field.

4 Select the **Enabled** check box.

5 Enter the details in the AMAG Server such as **Server Host or IP Address**, **Username** and **Password** for the AMAG connection.

6 Set the **Event Poll Interval** in milliseconds to adjust the rate at which the driver polls the AMAG server for updates.

Note:
The lower the interval value, quicker updates will be received from AMAG and a higher value will reduce network load. The default value is 500ms.

7 Set the **Status Poll Interval** in milliseconds to adjust the rate at which the driver polls the AMAG server for hardware status updates.

Note:
The lower the value, the quicker updates will be received from AMAG and the higher value will reduce network load. The default value is 1000ms.

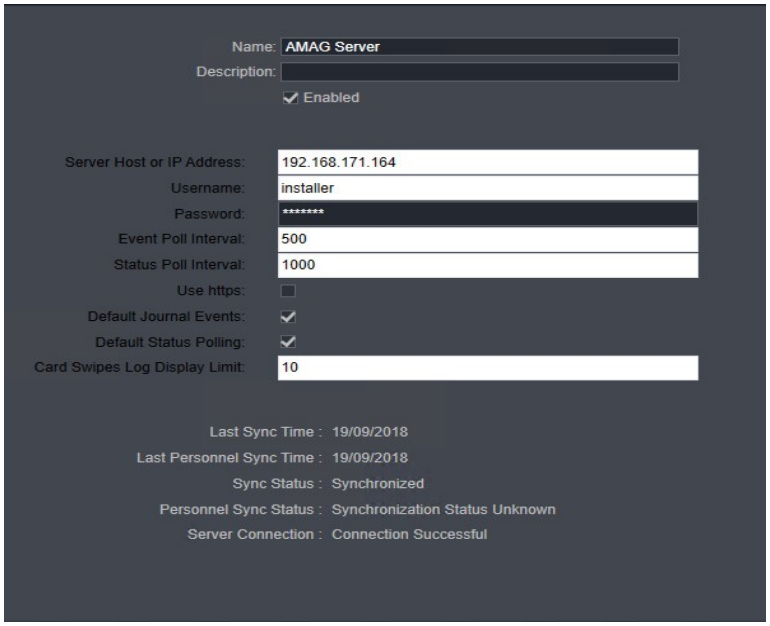
8 Select the **Use https** check box, if an SSL connection is required.

9 Select the **Default Journal Events** check box to enable journaling for all devices. This may be set separately per device. See AMAG Device Configuration.

10 Select the **Default Status Polling** check box to enable status polling for all devices. This may be set separately per device. See AMAG Device Configuration.

11 Set the **Card Swipes Log Display Limit** to fix the number of card swipes to store in the database for the Card Swipe transaction display.

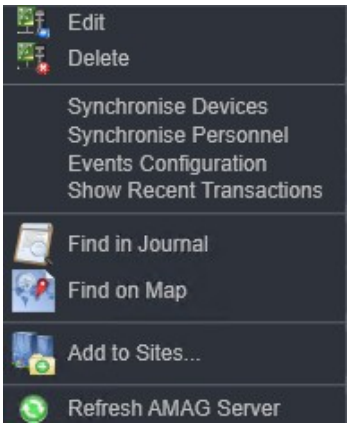
Figure 9: Figure 5-1 AMAG Server



12 Click **Save**. The AMAG server is saved and will appear in the Device List.

Note:
The AMAG Server and victor **Server** must be connected to the same NTP time source otherwise they will not sync.

13 Right-click the **Server** icon in the Device List and select **Synchronize Devices**. All devices connected to the AMAG server are synchronized.



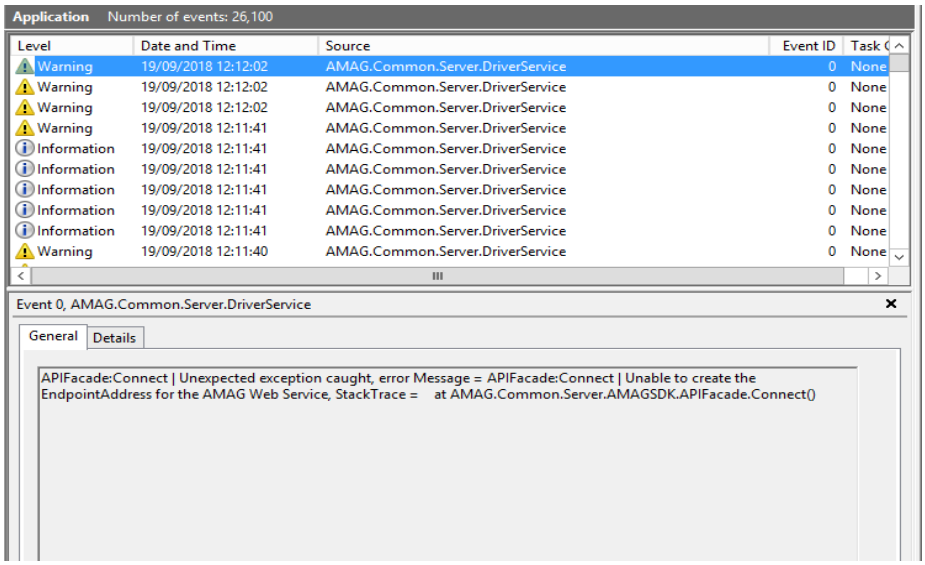
14 Right-click the **Server** icon again and select **Synchronize Personnel**. All personnel on the AMAG server are synchronized.

Procedure 4 Testing AMAG Connectivity

1 Open the Microsoft **Event Viewer** to check for errors under Windows Logs > Application logs, if the device list does not load.

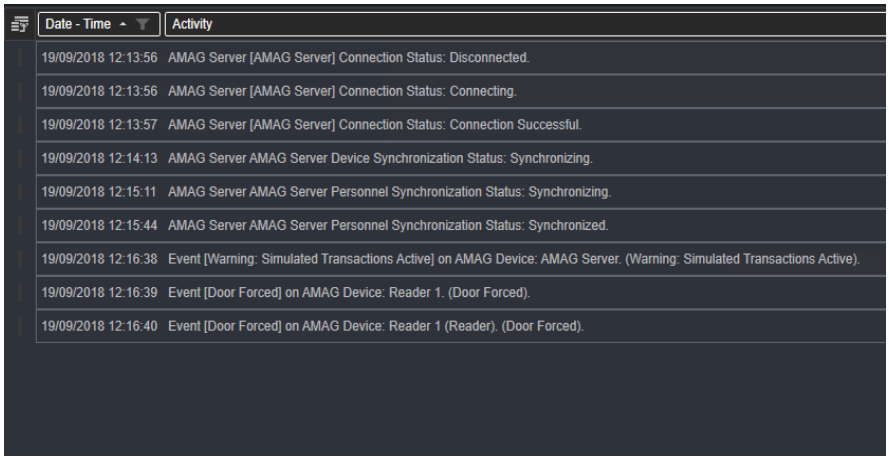
Note:
See System Values section to configure diagnostic logs to appear in the Event Viewer for more information.

Figure 10: Event Viewer



2 Navigate to **New Tab** and then the **Activity Viewer**, to verify if the AMAG events are appearing into the Journal.

Figure 11: Activity Viewer



AMAG Device Configuration

The following parameters can be configured for AMAG Reader, Monitor Point and Auxiliary Output objects.

Journal Alarms

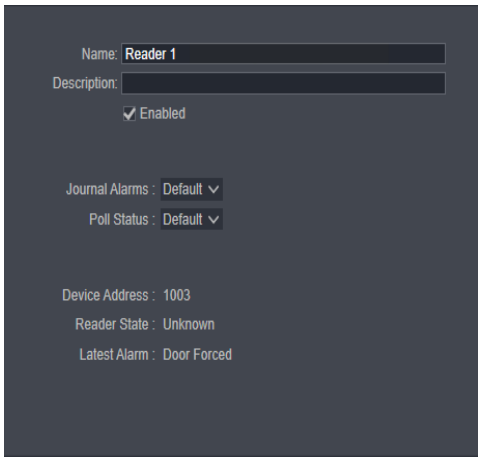
- **Default**: The default setting configured on the server object.

- **Yes**: Alarms are journaled for this object regardless of server settings.
- **No**: Alarms are not journaled for this object regardless of server settings.

Poll Status

- **Default**: The default setting configured on the server object.
- **Yes**: Alarms are journaled for this object regardless of server settings.
- **No**: Alarms are not journaled for this object regardless of server settings.

Figure 12: AMAG Device Configuration



The following parameters can be configured for AMAG Node objects:

Alarms Enabled

- **Default**: The default setting configured on the server object.
- **Yes**: Alarms are journaled for this object regardless of server settings.
- **No**: Alarms are not journaled for this object regardless of server settings.

AMAG Commands

AMAG Commands are commands issued by victor to AMAG objects. AMAG Commands can be accessed by right-clicking an object from the Device List or from victor Maps.

Figure 13: Device list

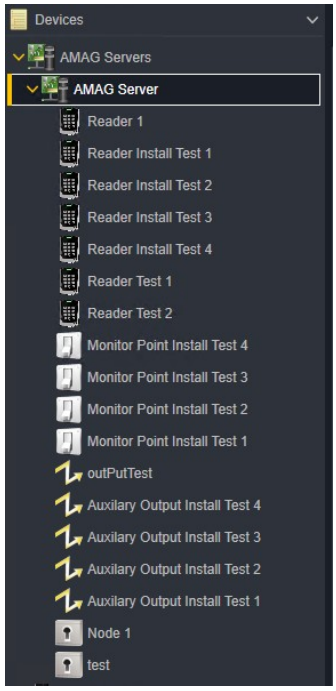


Figure 14: victor Maps

AMAG Server Commands

The following table defines the Server Commands and their descriptions:

Table 1: AMAG Server Commands and Descriptions

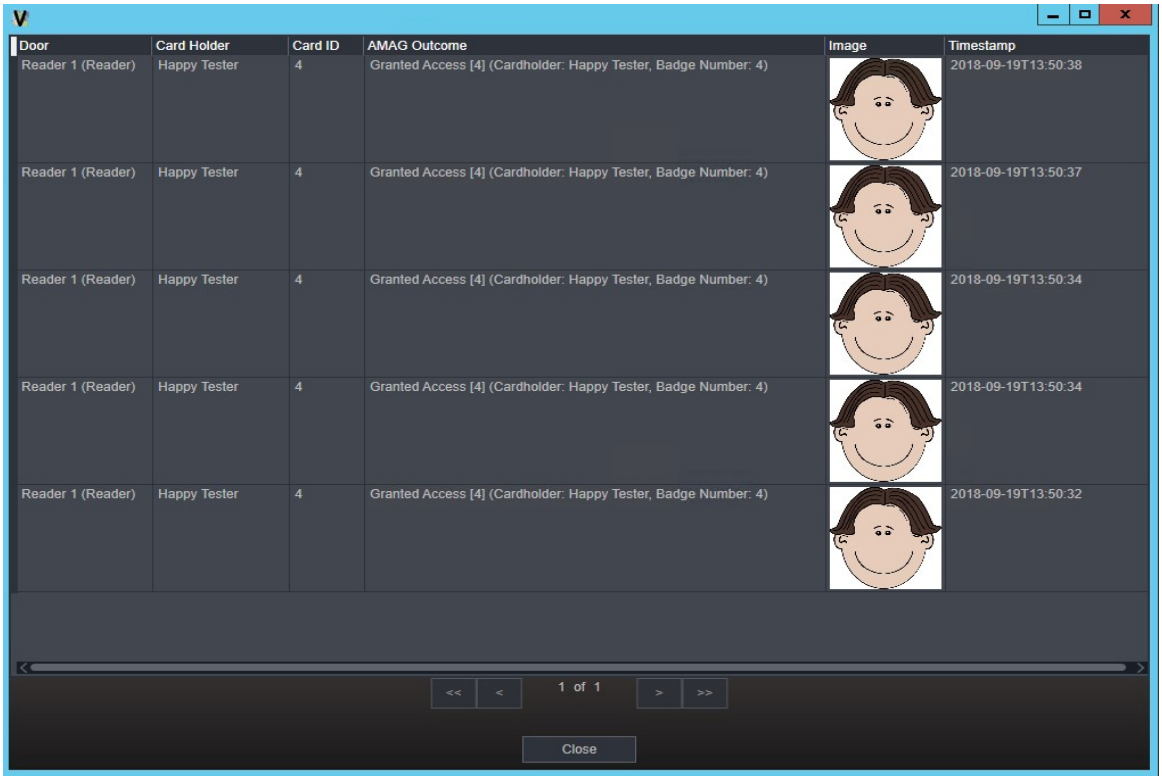
Command	Description
Synchronize Devices	Synchronizes all supported devices (such as readers, outputs, inputs and broadcast zones) from the AMAG Server into victor as AMAG Objects.
Synchronize Personnel	Synchronizes all AMAG cardholders or users from the AMAG Symmetry Server into victor as victor Personnel. User images are also imported in the process and set as primary victor personnel image for that user.
Events Configuration	This command opens the event configuration window for the selected AMAG Server. AMAG events may be enabled or disabled from here.
Show Recent Transactions	This command opens the card swipe transaction display.

Show Recent Transactions

Show Recent Transactions command opens a badge swipe transaction view, and you can also use this command as an alternative to the Swipe and Show feature in victor.

The following image displays the AMAG card swipe outcome information, and also this window dynamically refreshes to show the latest card swipe transactions at the top.

Figure 15: Show Recent Transaction Command - Display Window



Reader Commands

The following table defines the Reader Commands and their descriptions:

Table 2: Reader Commands and Descriptions

Command	Description
Suppress Alarms	Suppress alarms for this reader.
Reactivate Alarms	Reactivate suppressed alarms for this reader.
Lock Door	Lock the reader door.
Unlock Door	Unlock the reader door.
Grant Access	Grant access for this door and momentarily open the door.
Enable Reader	Enable the reader.
Disable Reader	Disable the reader.
Return to Schedule	Return to a schedule configured on the AMAG server.

Monitor Point Commands

The following table defines the Monitor Point Commands and their descriptions:

Table 3: Monitor Point Commands and Descriptions

Command	Description
Suppress Alarms	Suppress alarms for this output.
Reactivate Alarms	Reactivate suppressed alarms for this output.
Output On	Switch the output on.
Output Off	Switch the output off.
Output Pulse	Switch output on or off momentarily.
Return to Schedule	Return to a schedule configured on the AMAG server.

Auxiliary Output Commands

The following table defines the Auxiliary Output Commands and their descriptions:

Table 4: Auxiliary Output Commands and Descriptions

Command	Description
Suppress Alarms	Suppress alarms for this output.
Reactivate Alarms	Reactivate suppressed alarms for this output.
Output On	Switch the output on.
Output Off	Switch the output off.
Output Pulse	Switch output on or off momentarily.
Return to Schedule	Return to a schedule configured on the AMAG server.

Node Commands

The following table defines the Node Commands and their descriptions:

Table 5: Node Commands and Descriptions

Command	Description
Suppress Alarms	Suppress alarms for this node.
Reactivate Alarms	Reactivate suppressed alarms for this node.

Maps

The Maps feature provides a dynamic view of physical security objects within a visual representation of their environment.

Physical objects are represented by icons to form an integrated and unified view, which also allows monitoring and reaction to state changes in real time.

You can set the Real-time visualization of event activity by linking the Map actions to Events. The following are the supported image files:

- *.dwg or *.dxf (Vector)
- *.png or *.jpg (Raster)

Note:
• victor automatically converts vector graphics to .jpg and stores them in the database.
• Only CAD Layers visible at the time of import are visible within the image in victor. However, once imported, you can add a new layers to the converted CAD image and use to configure icons. The actual CAD layers do not exist in victor.
• You can update the Map Image files without disassociating the icons which were previously placed on the map.
• victor supports image files up to 20 MB.

Map Template

Use the Map Template to create and configure template icons. Any icon created in the Map Template becomes a template for icons of the same type on all maps in your system.

The annunciation and alert color settings from the template icon, replaces the default annunciation and alert color settings for new icons of that type added to any map.

Procedure 5 Configure a Template Icon

1. Select **Map** from the **Show All Items** tab.
2. Right-click the Map Template and click **Edit**. The Map editor opens.
3. Click icon  , the Icon Selector opens.
4. Click on object icon to add the object to the map.
5. Right-click the icon and select **Drop on Map**. The Template Icon Editor opens.
6. Click **Select Object**.
7. Select an object from the list and click **OK**.
8. In the Assign Alert section, configure the annunciation settings as required.
   a. Select the Annunciation type for an alert. The available options are: None, Strobe, Pulse, Blink, Fade, Solid, Wave, Ripple and Template.
   b. In the **Color** cell, select **Custom** from the drop-down menu.
   c. Select an alert color from the menu or click **Advanced** to choose a color from the advanced color menu, then click **OK** to confirm color selection.

Note:
• Object annunciation and color settings are applied to new icons of the same type added to a map.

Other template settings are not applied to new icons.
• Click Reset to default value to restore the default annunciation and color settings for the object.

9 Click **OK**.

10 Click **Save** to save the changes to the Template icon.

Create a Map

Procedure 6 Import a Map Image

Import a Map Image and add the points manually. The following are supported image files for Map Image:

- *.dwg or *.dxf (Vector)
- *.png or *.jpg (Raster)

1 Select **Map** from the **Add New Item** tab.

2 Enter a name for the map in the **Name** text box.

3 Enter a description for the map in the **Description** text box.

4 The **Enabled** check box is selected by default, clear the check box to disable the map.

5 Select icon  , to open browse window.

6 Browse and select the required image file, and then click **Open**.

7 Optional: If you are importing a CAD file (.dxf or.dwg), you can set the level of compression by entering a Height and Width in the corresponding text boxes.

8 Select **Import**, to import and display the file in map editor.

9 Click **Save** to save the changes.

Add or Configure Icons

After you import an image to create a map, you can configure the map for use by adding icons. Icons are added to maps to represent victor objects. Various icon properties are configured depending on the object type they represent.

Procedure 7 Add and Configure Icons

1 Open the map in edit mode.

2 Click icon  , the icon selector opens.

3 Select the required icon to add into the map.

4 Move the icon to the required position on the map and right-click to select **Drop on Map**. The Icon Editor displays.

5 Click Object to display the Object Selector.

6 Select the object to link to the icon and click **OK**.

Note:
If the Not in map check box is selected in the Object Selector, then only the items which are not added to the map are displayed. Clear the Not in map check box to display all items.

7 Click **OK**.

8 Assign characteristics in the Icon Editor if required.

9 Click **Save** to save the changes.

Add or Configure Icons Using Drag and Drop

Icons are added to maps to represent victor objects. Various icon properties are configured depending on the object type they represent.

Procedure 8 Add and Configure Icons Using Drag and Drop

1 Drag and drop victor objects from Device List into the Map editor. An icon is added to the map, and linked to the victor object.

Note:
Objects can also be dragged into maps from the Site, Call ups and Object lists.

2 Following are the steps to configure an icon's characteristics:

a Right-click the icon.

b Click **Edit**.

c Assign characteristics in the Icon Editor and Click **OK**.

3 Click **Save** to save the changes.

Clone Icons

You can use an existing icon as a template to configure a new icon.

Procedure 9 Clone Icon Configuration

1 From the Map Editor, select the icon you want to clone from.

2 Drag and drop a victor object from Device List. The icon (with original icons configuration) is added to the map.

3 Right-click the new icon and edit as required.

Configuring areas

Procedure 10 Configure an Area

victor Maps agrees for the configuration of areas in order to group icons. The entire area highlights if any icons related to an area go into Alert status. This applies to icons where annunciation is set to Strobe, Pulse, Blink, Fade, Ripple, Wave or Flash.

1 Select **Map** from the **Show All Items** tab.

2 Right-click on the map and select **Edit**.

3 In the Map Editor, hold the Shift key and draw the required area.

4 You can work with the area using the grab handles and by right-clicking and selecting from the following options:

- Select all related icons
- Clear all related icons
- Hide this shape drawing
- Remove this shape drawing
- Send to back
- Bring to front
- Display automatically when in view mode
- Priority Animation (select to alert the area with the highest priority alert from all objects within the area).

Polygon Shapes

A Polygon Shape is added to a Map icon placed on another Map to increase the annunciation area, when the icon goes into alert (Strobe, Pulse, Blink, Fade, Ripple, Wave, Flash or Solid only). When the polygon shape goes into alert, the entire alert area is selected, and drills down to the lower level map.

Procedure 11 Polygon Shapes

1 Configure the **Map** icon.

2 Right-click the Map icon and select **Polygon Shape**.

3 Click **Add**, a triangle displays.

4 You can work with the area using the grab handles.

5 Move and resize the triangle as required to represent the area that the detailed (building) Map covers. Various right-click options are available for the shape, following are the examples:

- Hide this shape drawing
- Remove this shape drawing
- Send to back
- Bring to front
- Display automatically when in view mode

6 To add an additional grab handle, right-click on an existing grab handle and select **Add New Point**.

This allows further usage of Polygon Shape.

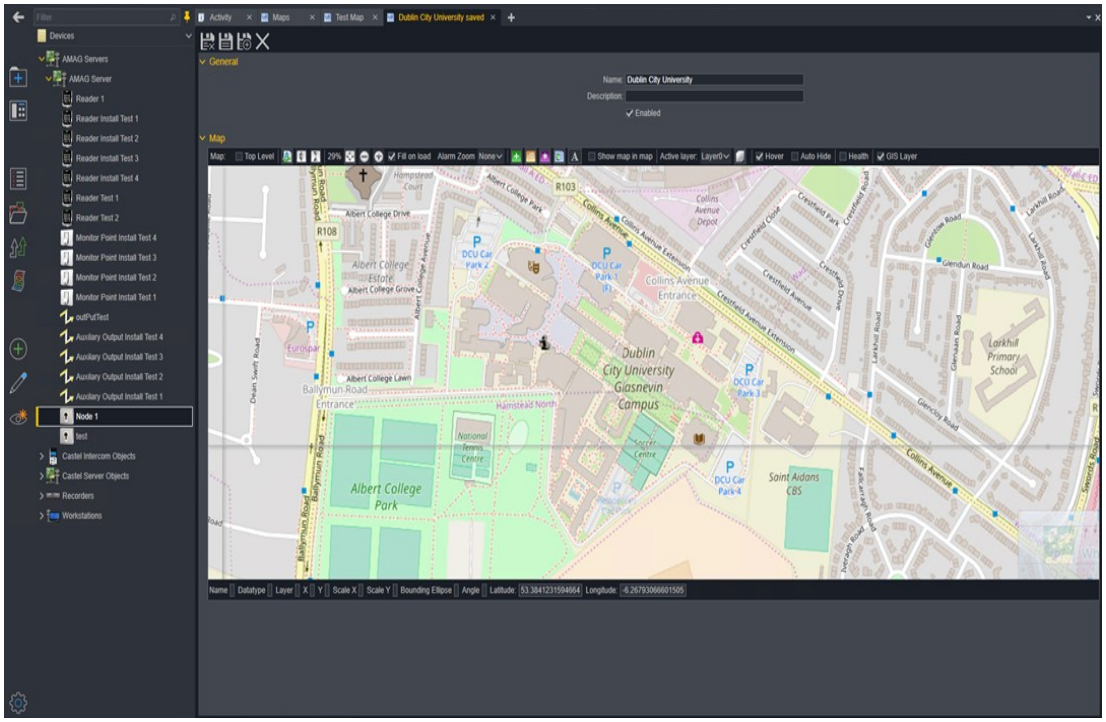
7 Click **Save** to save the changes.

GIS Level Maps

GIS Level Maps is used, where an overview of your facility or site is required. For example, you can use a GIS Level Map to show all buildings on a corporate campus, with each building represented by an individual map.

You can drill down to show an overview of each building by clicking on it and drill down further to show each floor or area. Select the GIS Level check box when creating a GIS Level Map. This improves the navigation performance with the use of caching to reduce load time.

Figure 16: Device List-GIS Level Map



Alarm Zoom

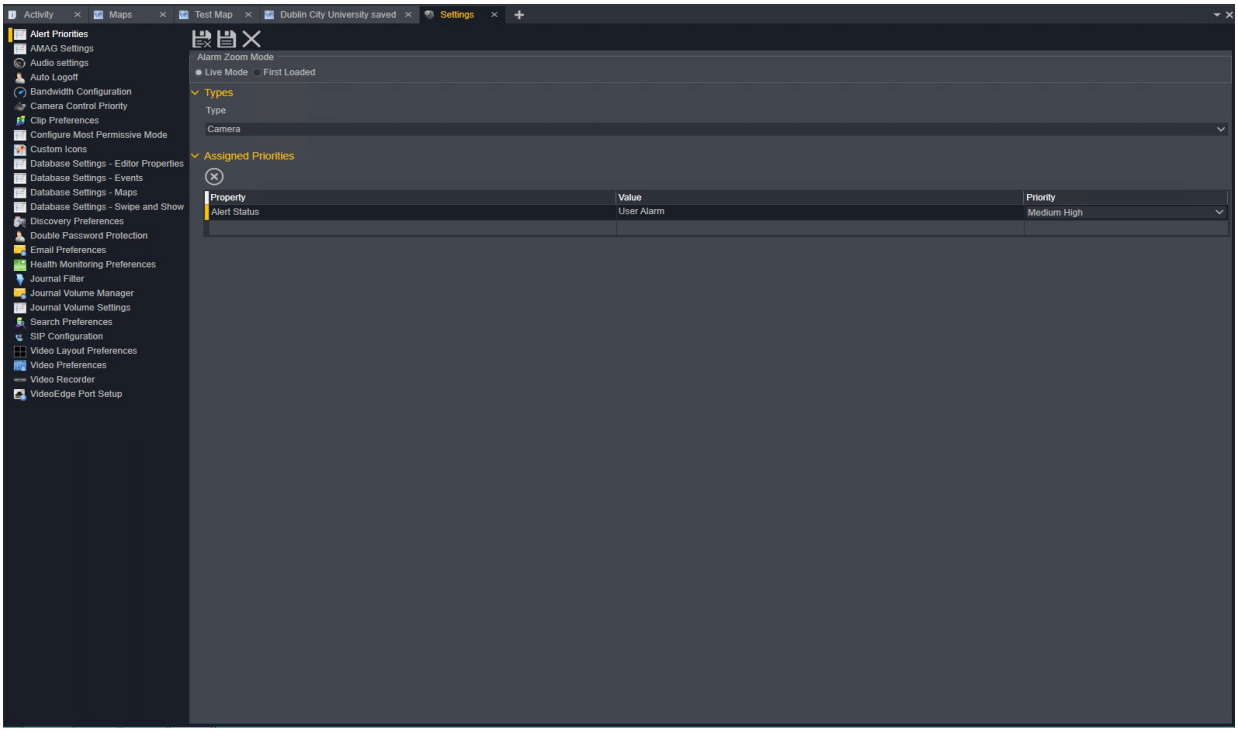
When an object goes into alarm, it annunciate based on configuration in the Icon Editor. The Alarm Zoom setting enables the Map to zoom to the alarming object.

If Alert Priorities are configured (System Configuration>Settings>Alert Priorities), the Map will zoom to the current highest priority alarming object.

You can select the following settings from the Alarm Zoom drop-down:

- **None**: Turns Alarm Zoom off.
- **High**: Sets the zoom level with high, the maximum zoom level.
- **Medium**: Sets the zoom level with medium, the moderate zoom level.
- **Low**: Sets the zoom level with low, the low the minimum zoom level.

Figure 17: Alarm Zoom



Live Mode vs. First Loaded

By default, the Alarm Zoom will zoom to the first or highest priority alarming object (First Loaded). System Values>Alert Priorities allows configuration of Live Mode which means the Map will zoom to all new alarms as they are activated.

Map in Map

Map in Map shows the current zoom level and position within a map.

You can toggle Map in Map, On or Off by selecting the Show Map in Map check box in the Map tool bar. The default selection is Off.

When creating or editing a Map, select the Show Map in Map check box to show Map in Map as default for the current Map.

Viewing Maps

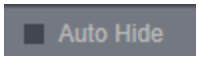
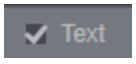
You can view a Map directly from the Show All Items tab, after you create and save a Map.

Procedure 12 View Maps

1 Select **Maps** from the **Show All Items** Tab.

2 You can work with the Map using the tool bar buttons.

Table 6: Tool-bar Elements and Details

Element	Details
	**Zoom Controls**: Displays current zoom level percentage along with Fit to Window and Zoom Out/In buttons.
	**Hide Icon Types**: Opens the Hide Type editor which allows selection of icon types to hide, such as Cameras or Recorders.
	**Show All Icons from All Layers**: Shows and highlights all icons from all visible layers. **Note** Icons that are on layers, and hidden using the Map Layers Editor are not displayed.
	**Show All Shapes from All Layers**: Shows all configured areas from all visible layers. Right-click to display FoV or Shapes only. **Note** Areas that are on layers, and hidden using the Map Layers Editor are not displayed.
	**Activity List**: Opens a map specific Activity List that displays the 100 most recent activities relating to objects on the map. Icon will display with a red border when there are unread items in the Activity List. Right-click and select Clear to clear the activity list. Select the Padlock icon to freeze the Activity List for 30 seconds.
	**Show Map in Map**: Opens a Map in Map image in the bottom right of the Map Viewer, indicating current zoom level.
	**Layers**: Opens Map Layers Editor allowing selection of map layers to show or hide.
	**Auto Hide**: This works in conjunction with Hover Mode. When Auto Hide is enabled, the surveillance pane closes automatically when the mouse is moved off the icon that initiated surveillance pane. If Hover Mode is disabled, auto close cannot be selected. This works in both edit and view mode.
	**Health Mode**: Select to enable Health Mode. When enabled, icons are highlighted with their health status. When enabled with Hover Mode, hovering over icons will display the objects health dashboard within the map view.
	**Show Text shapes**: Select to show all text shapes on the map. This option is selected by default.

Note:
When viewing a map, drag any icon onto any surveillance pane to view its associated video.

Editing Maps

You can edit the properties of a Map, after you create and save a Map.

Procedure 13 Edit Maps (General)

1 Select **Maps** from the **Show All Items** tab.

2 Right-click the map to be edited and click **Edit**. Map Editor opens.

3 Edit **Name**, **Description**, **Enabled** status in **General** section as required.

4 Click **Save** to save the changes.

Procedure 14 Edit Maps (Map)

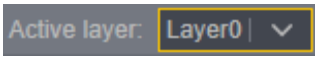
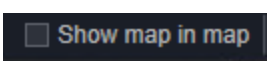
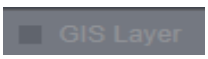
1 Select **Maps** from the **Show All Items** tab.

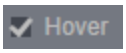
2 Right-click the map to be edited and click **Edit**.

3 Map editor opens.

4 You can work with the Map using the tool bar buttons.

Table 7: Tool-bar Elements and Details

Element	Details
	**Import a Map**: Re-import the map image.
	**Increase/Decrease height of map window**: Increases or decreases the height of a map window.
	**Fill Image in Window**: Fits map to window
	**Add Object Icon**: Add an object icon to the map.
	**Copy Icon to Active Layer**: Copy an icon to the current active map layer.
	**Show All Icons from All Layers**: Displays all icons from all layers of the map.
	**Show All Shapes from All Layers**: Displays all shapes from all layers of the map. Right-click to display FoV or Shapes only.
	**Add Text**: Displays a field enabling free text input. Font size or color or type can be changed as required. Text boxes can be copied to other areas of the map.
	**Active layer**: The current active map layer.
	**Show Map in Map**: Opens a Map in Map image in the bottom right of the Map Viewer, indicating current zoom level.
	**GIS Layers**: Make this map a GIS Map.

Element	Details
	**Hover**: Enable or Disable hover in the map editor.

5 Edit map elements as required.

6 Click **Save** to save the changes.

Procedure 15 Edit Maps (Map Icons)

You can edit the properties of a Map or copy to create a new Map icon after an Icon is added to a map. Available options vary depending on map icon type.

1 Select **Maps** from the **Show All Items** tab.

2 Right-click the map to be edited and click **Edit**. Map editor opens.

3 Right-click on the icon you wish to edit and select required option from the right-click menu.

4 Make changes as required.

Note:
To copy both the icon and all its properties, select Copy from the right-click menu, such as assigned object and assigned left click action.

5 Click **Save** to save the changes.

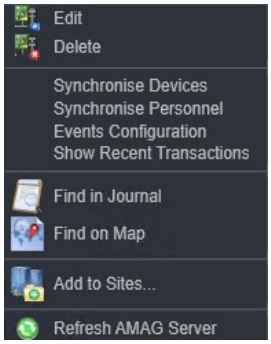
The AMAG integration includes functionality that allows alarm type configuration at the AMAG level, which is to enable or disable alarm types per server and also enable or disable alarms per device.

This effects the alarm processing at the victor AMAG driver level. Incoming alarms are filtered in the driver based on this configuration and either journaled or not journaled into victor.

Procedure 16 Alarm Type Configuration Editor

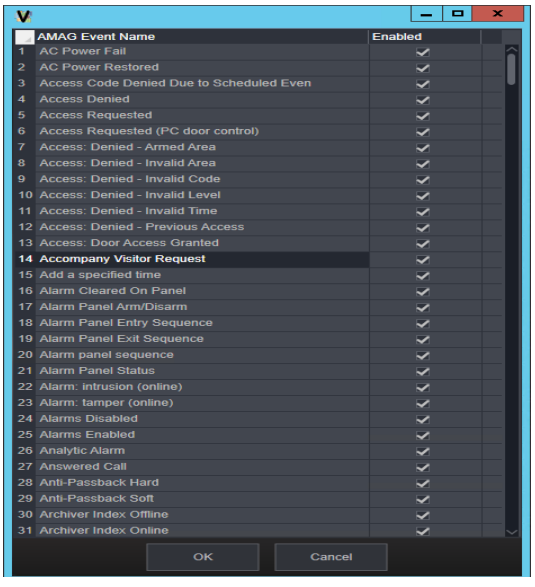
1 Select **Events Configuration** from the AMAG Symmetry Server object's right-click command list.

Figure 18: AMAG Symmetry Server Object - Command List



Alarm List Editor opens.

Figure 19: Alarm List Editor



Note:
The name that appears in the CEM system as alarm name is defined as AMAG Event Name.

2 You can enable or disable the AMAG alarm types by selecting or clearing the check boxes in the **Enabled** column.

3 Click **OK** to save the configuration.

Procedure 17 Enable or Disable Alarms for AMAG devices

1 From any AMAG device (such as Reader/Monitor Point/Auxiliary Output/Node), right-click on the device from the device tree or dynamic view or from map.

2 Select **Suppress/Reactivate Alarms** from the command list.

This enables or disables the creation of victor journal entries for that device.

Procedure 18 Events/Schedule Setup Editor

You can build the multiple event configurations using the Event Schedule Setup Editor more efficiently than building the single event configurations (one at a time) for AMAG objects.

1 Select **System Configuration**.

2 Select **Events/Schedule Setup**. Events Setup editor appears.

3 Double-click the Devices Node and use the Object Selector to select the device (Or drag and drop from the device list).

4 Select icon  in Node of the device added and use the check boxes in the drop-down to assign alerts as required.

5 Select **Add Alerts**.

Selected alerts are displayed under the Alerts node.

6 Select icon  in the Alerts node and use the Object Selector to assign Actions.

7 Repeat as required. Use icon  and icon  to add and remove objects.

8 Use Merge and Clone options to copy configurations.

- Merge and clone target configuration.
- Duplicate source configuration to all targets.
- Remove configuration on source and target.

9 (Optional) Add or remove the schedules from the event. Refer to the *victor Unified Client / victor Application Server Administration and Configuration Guide* for more information about schedules.

10 Click **Save** to save the changes.

Procedure 19 AMAG Actions

Users can create AMAG Integration specific actions, to tie together system events with actions you wish to trigger.

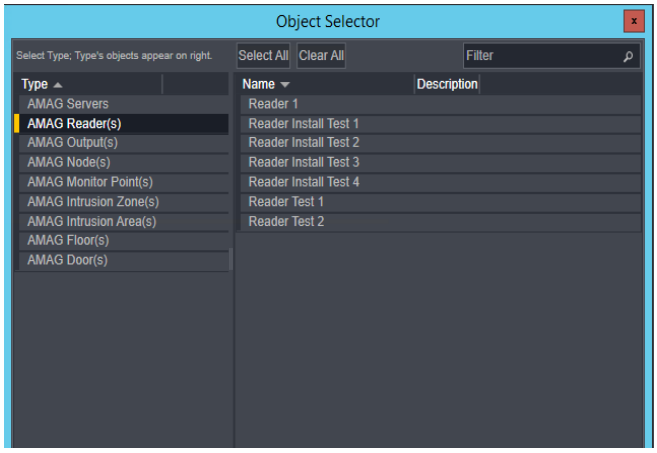
1 Select **AMAG Action** from the **Create New Item** tab.

2 Enter a Name and Description in the **Name** and **Description** fields.

3 Click icon  to add devices to this action.

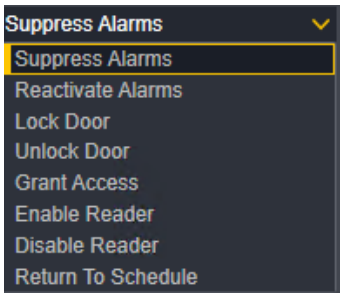
4 Select one or many devices to include in the action.

Figure 20: Object Selector



5 Select the action to execute.

Figure 21: AMAG Reader - Actions



6 Click **Save** to save the changes.

Event or Action Pairing Editor

You can build multiple event configurations using the Event/Action Pairing Editor, quicker and easier than building the single event configurations (one at a time) for AMAG objects.

The Event or Action Pairing Editor is used to tie together system events with actions.

Note:
Event/Action association can only be made in this editor.

Procedure 20 Events/Action Pairing

1 Select **Event** from the **Create New Item** tab.

2 Select **Event/Action Pairing** from the top tool bar. Editor opens.

3 Click the **Events** Node and use the Object Selector to select events as required.

4 Select icon  in the Event Node and use the Object Selector to assign event Actions.

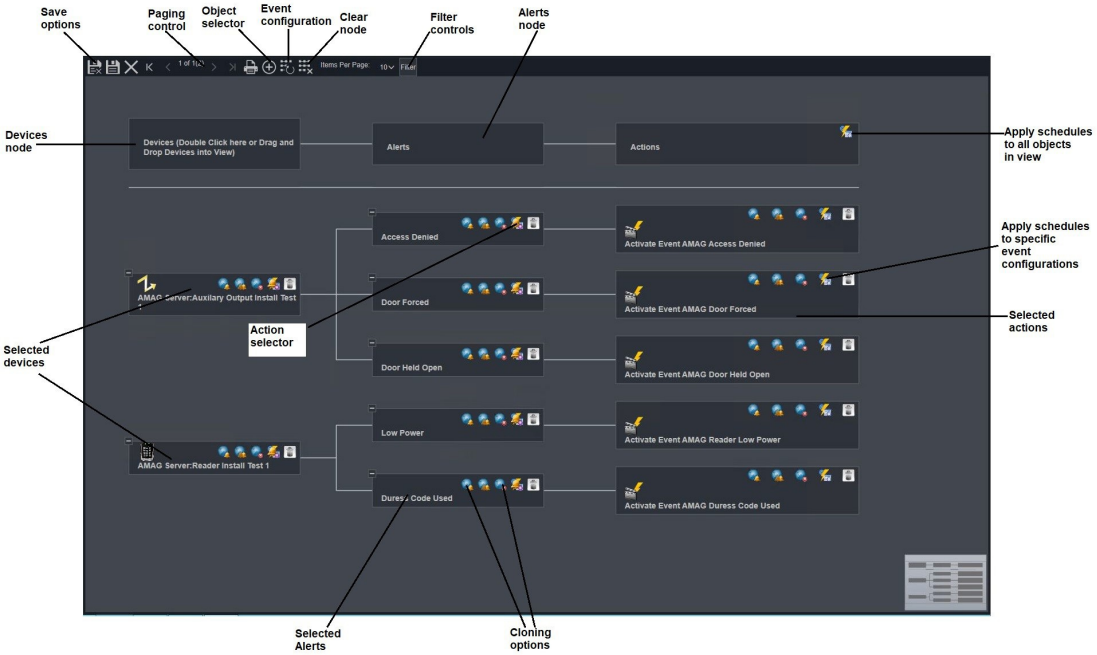
5 Repeat as required. Use icon and icon to add and remove objects.

6 Click **Save** to save the changes.

Events Setup

The Events/Schedule Setup Editor provides a Dynamic, Visual method of batch linking Devices, Alerts and Actions, and also set up Event Scheduling.

Figure 22: Events Setup Editor



Event Status Mapping

Event status mapping is not supported by this integration, however both event and restore events are supported as event types.

You can configure a range of system wide settings from a single editor. You can access **Settings** using the **System Configuration** icon.

For the victor AMAG Integration these settings are helpful to increase logging level that gets exported to the Windows Event Viewer.

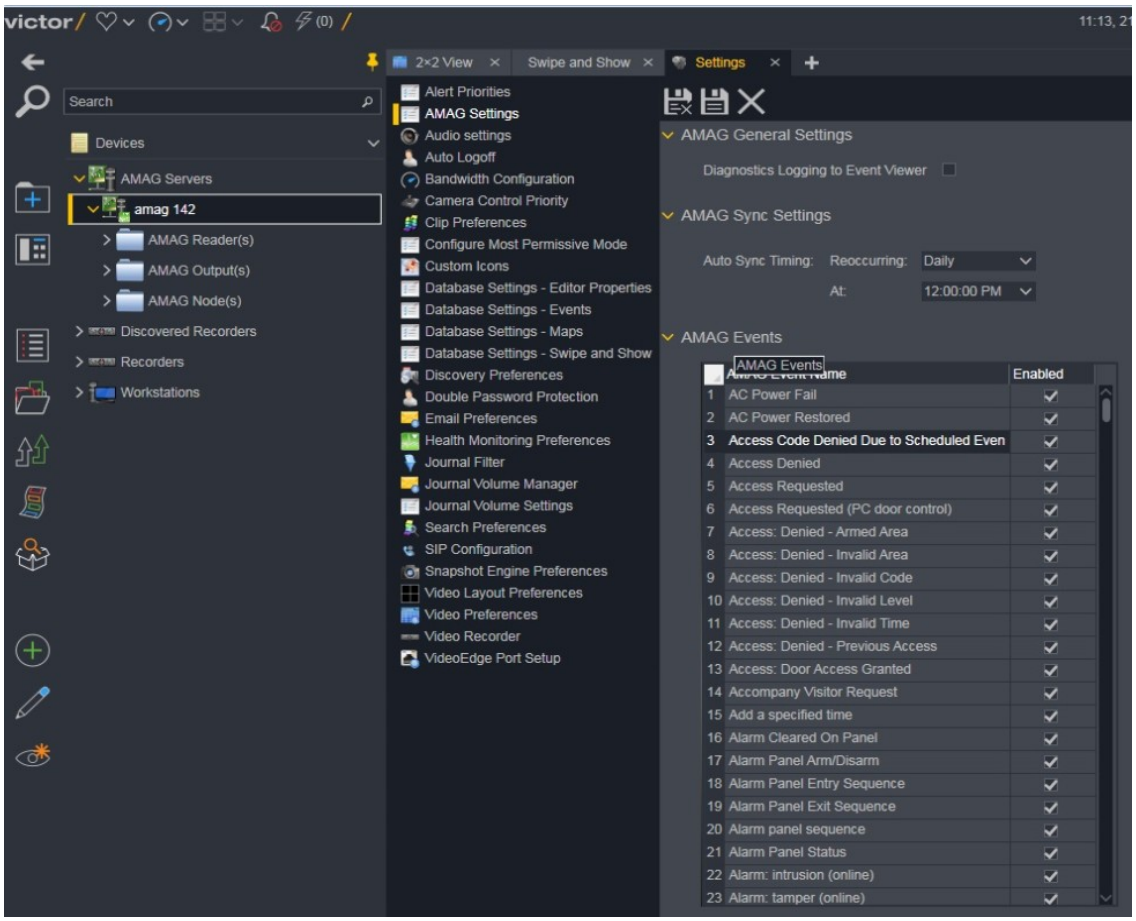
AMAG Settings

AMAG Settings are Global Integration-wide settings for AMAG Objects.

Select **System Configuration** and **Settings** to display the following configuration option:

- Diagnostics Logging to Event Viewer: You can use this feature to enable or disable Diagnostic level logging in the Event Viewer.

Figure 23: Configuration Option



Note:
This setting is applied after you click Save. No driver restart is required.

AMAG Device States

The following sections lists the states supported by each of the AMAG object types in victor and the object state icons supported. The order shown in the table AMAG Server States and Values reflects the order in which an image is selected and displayed for each object type.

AMAG Server States

The following table describes the AMAG Server States and its values.

Table 8: AMAG Server States and Values

State	State values
Devices Sync Status	Synchronization Status Unknown Synchronization Failed Synchronizing Synchronized
Connection Status	Connection Status Unknown Connection Failed Connecting Connection Successful Disconnected
Personnel Sync Status	Synchronization Status Unknown Synchronization Failed Synchronizing Synchronized

Reader States

The following table describes the Reader States and its values.

Table 9: Reader State and Value

State	State values
Latest Alarm	See List of supported Alarms in AMAG Alarms section, refer to "AMAG Alarms".

Monitor Point States

The following table describes the Monitor Point States and its values.

Table 10: Monitor Point States and Values

State	State values
Latest Alarm	See List of supported Alarms in AMAG Alarms section, refer to "AMAG Alarms".
Status	Open Closed **Note:** This property is only updated when option synchronize devices is executed.

Auxiliary Output States

The following table describes the Auxiliary Output States and its values.

Table 11: Auxiliary Output States and Values

State	State values
Latest Alarm	See List of supported Alarms in AMAG Alarms section, refer to "AMAG Alarms".
Status	Output On Output Off Output Pulse **Note:** This property is only updated when option synchronize devices is executed.

Node States

The following table describes the Node States and its values.

Table 12: Node State and Value

State	State values
Latest Alarm	See List of supported Alarms in AMAG Alarms section, refer to "AMAG Alarms".

AMAG Alarms

The following table describes the supported AMAG Alarm types.

Table 13: Supported Alarms

Alarms
No Alarm
AC Power Fail
AC Power Restored
Access Code Denied Due to Scheduled Event
Access Denied
Access Requested
Access Requested (PC door control)
Access: Denied - Armed Area
Access: Denied - Invalid Area
Access: Denied - Invalid Code
Access: Denied - Invalid Level
Access: Denied - Invalid Time
Access: Denied - Previous Access
Access: Door Access Granted
Accompany Visitor Request
Add a Specified Time
Alarm Cleared On Panel
Alarm Panel Arm/Disarm
Alarm Panel Entry Sequence
Alarm Panel Exit Sequence
Alarm Panel Sequence
Alarm Panel Status
Alarm: Intrusion (Online)
Alarm: Tamper (Online)
Alarms Disabled
Alarms Enabled
Analytic Alarm
Answered Call
Anti-Passback Hard

Alarms
Anti-Passback Soft
Archiver Index Offline
Archiver Index Online
Archiving Failed
Archiving Started
Archiving Stopped
Archiving Succeeded
Area Arm Time Changed
Area Armed
Area Armed Early
Area Disarmed
Area Disarmed Outside Schedule
Area Failed to Arm
Area In Alarm
Area Late to Arm
Area Late to Disarm
Area Partially Armed
Area Reset
Arm Common Panel
Arming Canceled
Arming: Area Late to Arm
Arrived Too Early At Point
At Wrong Door
At Wrong Time
Audio Activity Alarm
Audio Activity Normal
Auto Control In Core Time
Autoarm Canceled
Autoarm Delayed
Automatic Arming Aborted by User
Automatic Download In Progress
BACnet Door Pseudo
BACnet Monitor Point Pseudo

Alarms
Call Request
Camera Restarted
Card Command
Card Data Request
Card Expired
Cardwatch
Client/Server Offline
Client/Server Online
Command Failed
Communication Failure to Salto Server
Configuration Changed
Configuration Error
Connect Failed - Busy
Connect Request
Connect Successful
Connected
Connecting
Controller Comms Failed
Controller Comms Restored
Database Potentially Out of Date
Database Up to Date
Date/Time Changed
Daylight Saving Adjustment Made
Delay Autoarming
Deleted For PIN
Dial-In Alarm Received
Disarm Common Panel
Disconnected
Door Alarm Reset
Door Battery Low
Door Closed
Door Closed: Key
Door Closed: Key and Keyboard

Alarms
Door Closed: Keyboard
Door Closed: Switch
Door Forced
Door Held Open
Door Left Opened (DLO)
Door Monitor Circuit Normal
Door Monitor Circuit Open
Door Monitor Circuit Shorted
Door Monitor Closed
Door Monitor Open
Door Most Probably Opened: Key and PIN
Door Not Opened
Door Open
Door Opened: Inside Handle
Door Opened: Key
Door Opened: Key and Keyboard
Door Opened: Keyboard
Door Opened: Mechanical Key
Door Opened: Multiple Guest Key
Door Opened: Online Command
Door Opened: PPD
Door Opened: Spare Card (Hotel)
Door Opened: Switch
Door Opened: Unique Opening
Door Programmed with Spare Key
Door Reclosed
Door Set To
Duress
Duress Alarm
Duress Code Reset
Duress Code Used
Emergency Alarm
End of DLO (Door Left Opened)

Alarms
End of Forced Closing (Online)
End of Office Mode
End of Office Mode (Online)
End of Privacy
Entry Timer Expired
Entry Timer Reset
Entry Timer Started
Entry Timer Stopped
Exit Timer Started
Exit Timer Stopped
Entry/Exit Zone in Alarm
ENVS Scheduled Operation
ENVS Trigger Operation
Equipment: Add
Equipment: Adjust
Equipment: Remove
Equipment: Repair
Equipment: Replace
Equipment: Test
Exit Button Circuit Normal
Exit Button Circuit Open
Exit Button Circuit Shorted
Exit Button Closed
Exit Button In Alarm
Exit Button Normal
Exit Button Open
Failed Connection
Failed to Communicate with Phone Line 1
Failed to Communicate with Phone Line 2
Failed to Communicate with Phone Line 3
Fire Alarm
Floor Access
Free Space is Low

Alarms
General Alarm
General Error
General Event
General HI SEC Error
Granted Access
Hard Disk Full Warning
Hardware Failure
Hardware Information
Hardware Warning
Hold Up Alarm
Hold Up Code Used
Holiday: Schedule A
Holiday: Schedule B
Holiday: Schedule C
Host Clock Advanced
Host Clock Retarded
Hotel guest canceled
Inactive
Infranet Fail to Communicate 1
Infranet Fail to Communicate 2
Infranet Fail to Communicate 3
Infranet Fail to Communicate 4
Infranet Primary Fail 1
Infranet Primary Fail 2
Infranet Primary Fail 3
Intercom Call
Intrusion Alarm
Intrusion Operation Warning
Intrusion Panel Restored
Intrusion Panel Timed Out
Intrusion Panel Transaction
IP Address Change
IP Camera Offline

Alarms
IP Camera Online
Key Deleted (Online)
Key has not been comp updated (Online)
Key Inserted (Energy Saving Device)
Key Removed (Energy Saving Device)
Key Updated (Online)
Keycard Set IN
Keycard Set OUT
LAN Retry
LAN Answered Call
LAN Connected
LAN Connecting
LAN Disconnected
LAN Error
LAN Failed Connection
Least Used Card Deleted
License Registration Warning
Loitering
Loss of Time Trouble Cleared
Lost Card
Low Battery Level
Low Power
Low Power Restored
Mains Fault
Media Full
Media Ok
Media Space Low
Menu Entered by User
Modem Error
Monitor Point & Tamper in Alarm
Monitor Point Changed
Monitor Point Circuit Open
Monitor Point Circuit Shorted

Alarms
Monitor Point Closed
Monitor Point In Alarm
Monitor Point Normal
Monitor Point Open
Monitor Point Tamper Alarm
Monitor Point Tamper Normal
Motion Alarm
Motion Normal
Network Address Error
Network Loss
Network Restored
New Hotel Guest Key
New Renovation Code
No Free Space Available
Node Back In Service
Node Buffer > 75% Full
Node Buffer Overflow
Node Clock Advanced
Node Clock Retarded
Node Firmware Error
Node Hardware Error
Node Powered Down
Node Restored On Primary
Node Restored On Secondary
Node Tamper
Node Tamper Normal
Node Timed Out
Node Timed Out On Primary
Node Timed Out On Secondary
Not Allowed: Antipassback
Not Allowed: Denied by Host
Not Allowed: Does Not Override Privacy
Not Allowed: Door in Emergency State

Alarms
Not Allowed: Hotel Guest Key Canceled
Not Allowed: Invalid Pin
Not Allowed: Key Canceled
Not Allowed: Key Expired
Not Allowed: Key Not Activated
Not Allowed: Key Not Allowed in Door
Not Allowed: Key Out of Date
Not Allowed: Key with Old Renovation Number
Not Allowed: Locker Occupancy Timeout
Not Allowed: No Associated Authorization
Not Allowed: Old Hotel Guest Key
Not Allowed: Out of Time
Not Allowed: Run Out of Battery
Not Allowed: Unable to Audit on the Key
Not Allowed: Unique Key Already Used
Not Yet Valid
Object Enter Area
Object Exit Area
Object Presence
Offline
Online
Online Peripheral Updated
Out of Sequence Now at Point
Output Off
Output On
Output Pulse
Output Toggle
Overdue At Point
Panel Blocked
Panel Failed to Communicate
Panel Fault
Panel Issue
Panel Reset

Alarms
Panel Warm Start
Panic Alarm
Password Changed
Patrol Tour Complete
Patrol Tour Held
Patrol Tour Reset
Patrol Tour Restarted
Patrol Tour Started
PPD connection
Pre-Arm Timer Started
Pre-Arm Timer Stopped
PTZ Command
PTZ Preset Activated
PTZ Started
PTZ Stopped
Qualifier: Service
Reader Pair Powered Down
Reader Tamper
Reader Tamper Normal
Recording Mode Changed
Repeated Alarm for Seismic Zones
Request Card File
Request Daylight Savings
Request Dial Up File
Request Doors File
Request Holiday File
Request If/Then File
Request Logical Functions
Request Misc Files
Request Monitor Point File
Request Multinode 1 Misc Files
Request Reader File
Request Scheduled Commands

Alarms
Request Time Code File
Retry
Room Prepared (Energy Saving Device)
Sabotage Alarm
Scene Changed
Schedule: Permanent Schedule
Schedule: Primary Schedule
Schedule: Secondary Schedule
Schedule: Shift Four
Schedule: Shift One
Schedule: Shift Three
Schedule: Shift Two
Schedule: Temporary Schedule
Scheduled Operation
Script Alarm
Script Error
Script Event
Script Upload
Search Required
Serial Port Command
Server Offline
Server Online
Server Restarted
Server Shutdown
Service: Start Service Person
Service: Stop Service Person
Silence Local Alarm
SNTP Clock Adjusted
Soak Test
Soft Sabotage
Start of Forced Closing (Online)
Start of Office Mode
Start of Office Mode (Online)

Alarms
Start of Privacy
StartUpTransaction
Station Busy
Station Free
Storage Failure
Storage Information
Storage Media Check Failed
Storage Media Check OK With Errors
Storage Media Corrupted
Storage Media Hardware Failure
Storage Media Hardware Lifetime Warning
Storage Media Not Present
Storage Media Quota Reached
Storage Warning
Streaming Archiver Offline
Streaming Archiver Online
Streaming Server Offline
Streaming Server Online
Successful Clock At Point
Switch Building Control Off
System Event
System Fully Armed
System Unarmed/Partially Armed
System: Abort by User
System: Device Missing
System: Device Restored
System: Message General
Technical Alarm
The Firmware on the Panel is Incompatible
Time Change Complete
Time Modified (Daylight Saving Time)
Transaction Log Running at Capacity
Trigger Operation

Alarms
Tripwire
Unattended Object
Unknown Card
Unknown Error
Unknown Fingerprint:
Unknown Multinode Alarm
Unknown Reader Alarm
User Access Denied
User Access Granted
User Added
User Change
User Cleared Alarm List
User Cleared Fault List
User Code Lockout
User Code: Code Added
User Code: Code Changed
User Code: Code Deleted
User Delayed Automatic Arming
User Deleted
User Duress Code Used
User Edited
User Logged Off
User Logged On
User PIN Changed
Valid Access At In Reader
Valid Access At Out Reader
Valid Card Transaction
Video Database Running at Maximum Capacity
Video Picture Loss
Video Picture Restored
Video Server Restarted-Unexpected Error
Video Signal Interruption
Video Signal Loss

Alarms
Video Signal Restored
Walk Test Zone Fail
Walk Test Zone Verify
Warning Overwriting Standard Recordings
Warning Overwriting Tagged Recordings
Warning: Simulated Transactions Active
Wireless Zone Low Battery
Wireless Zone Missing
Wrong Customer Code
Wrong Direction
Wrong Hand Template
Wrong Issue Number
Wrong PIN
Zone Armed
Zone Bypass by Call Out Guard
Zone Bypassed
Zone Disabled
Zone Disarmed
Zone Enabled
Zone Force Armed
Zone Group Armed
Zone Group Disarmed
Zone Group in Alarm
Zone Group Test
Zone In Alarm
Zone In Fault
Zone In Tamper
Zone Reset
Zone Test
Zone Unbypassed