



## INTEGRITI GATE KEEPER



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# Integrati Gate Keeper

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## Product Highlights

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### Connectivity

- Simplified Controller Connectivity (only requires a single TCP port).
  - Improved NAT Traversal, far less firewall configuration required.
- Simple Automatic Discovery of controllers on local network.
- Integriti is a true multi-controller, multi-workstation system.
- Supports paths with automatic switching to redundant paths on link failure.
- Clustered Architecture: Support for multiple servers for scalability or high availability.

### Editing

- Changes to module programming take effect immediately, without a LAN secure.
- Unlimited number of granular permissions and credentials per user.
- Dynamic Update of all data. All changes are instantly reflected on other operator workstations, no need to refresh screens if someone else changes something.
- Programming structures, inputs and outputs for LAN modules are created automatically when they are connected to the LAN.
- Fully customizable user interface, allows any editor to be customized to suit customer needs.
- Multi-Select Edit. Set the properties of multiple records in a single operation, no need to manually apply the change to each record.
- Cross Reference: Graphically visualize the relationships between all entities in the system.
- Live LAN status of modules, zones and auxiliaries is displayed.
- Dynamically Filter and sort by any field on any entity.
- Dynamically Filter and sort by current state (inputs in alarm, doors that are unlocked).
- Selectively show or hide items based on:
  - Name.
  - LAN status (secured, missing, unexpected, not installed).
  - Programming status (blank, programmed, queued for upload/download).
- Logical groupings: allow entities to be arranged and grouped with infinite flexibility.
- Support for multiple sites, with unlimited sub-sites.
- Window / docking panel placement customisation including layout saving and retrieval per operator.
- Single-click hyper-linking between forms.
- Automatic detection of edits made at any Terminal.
- User editing provides the following features:
  - Users can be exported. This allows an operator to make pre-set templates easily and observe how the import file format should appear.
  - Multiple Users can be selected for blanking records or exporting.

### Reports

- Comprehensive audit trail.
- Any filtered data grid can be exported right from within the System Designer.
- 3NF Normalized database, can be easily queried and reported on.

### Management

- Full support for offline editing.
- Comprehensive operator permissions system providing infinite flexibility.
- Hierarchical operator permissions allowing separate sites to be administered both individually and globally.
- Full support for Multi-Site and multi-tenancy.

### Control

- Remotely control areas, area lists, auxiliaries, auxiliary lists, doors, door lists, floors, floor lists, home auxiliaries and zone inputs.
- Per-User permissions are enforced for remote control from the software.

# Integriti basics

## Login

Operators are presented with a login dialog when they run Gate Keeper. To log in, simply enter your operator name and operator password then click the Login button. Operator credentials are defined within the Integriti management software.

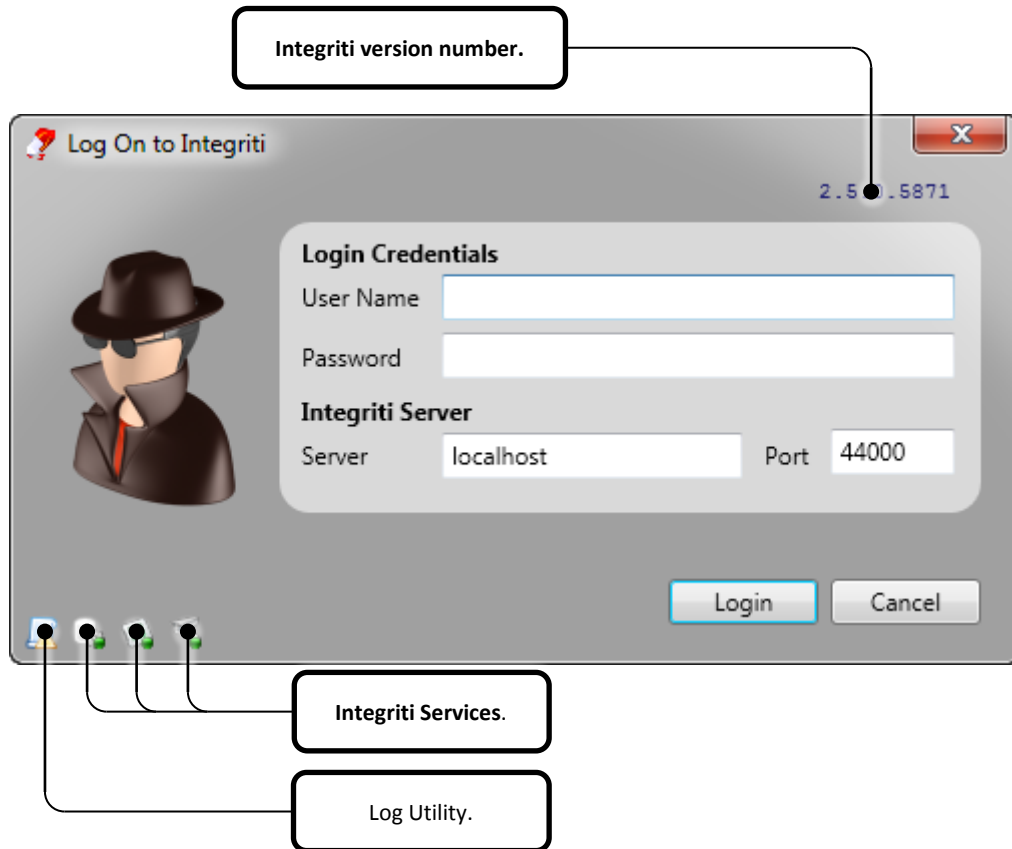



Figure 1

 Depending on the security policy, the Integriti services shown in Figure 1 may only be visible when Gate Keeper is launched as an Administrator.

## User Interface

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*The document titled 'Interface elements for Integriti contains information on how to make good use of the user Interface.*

## GUI Layout

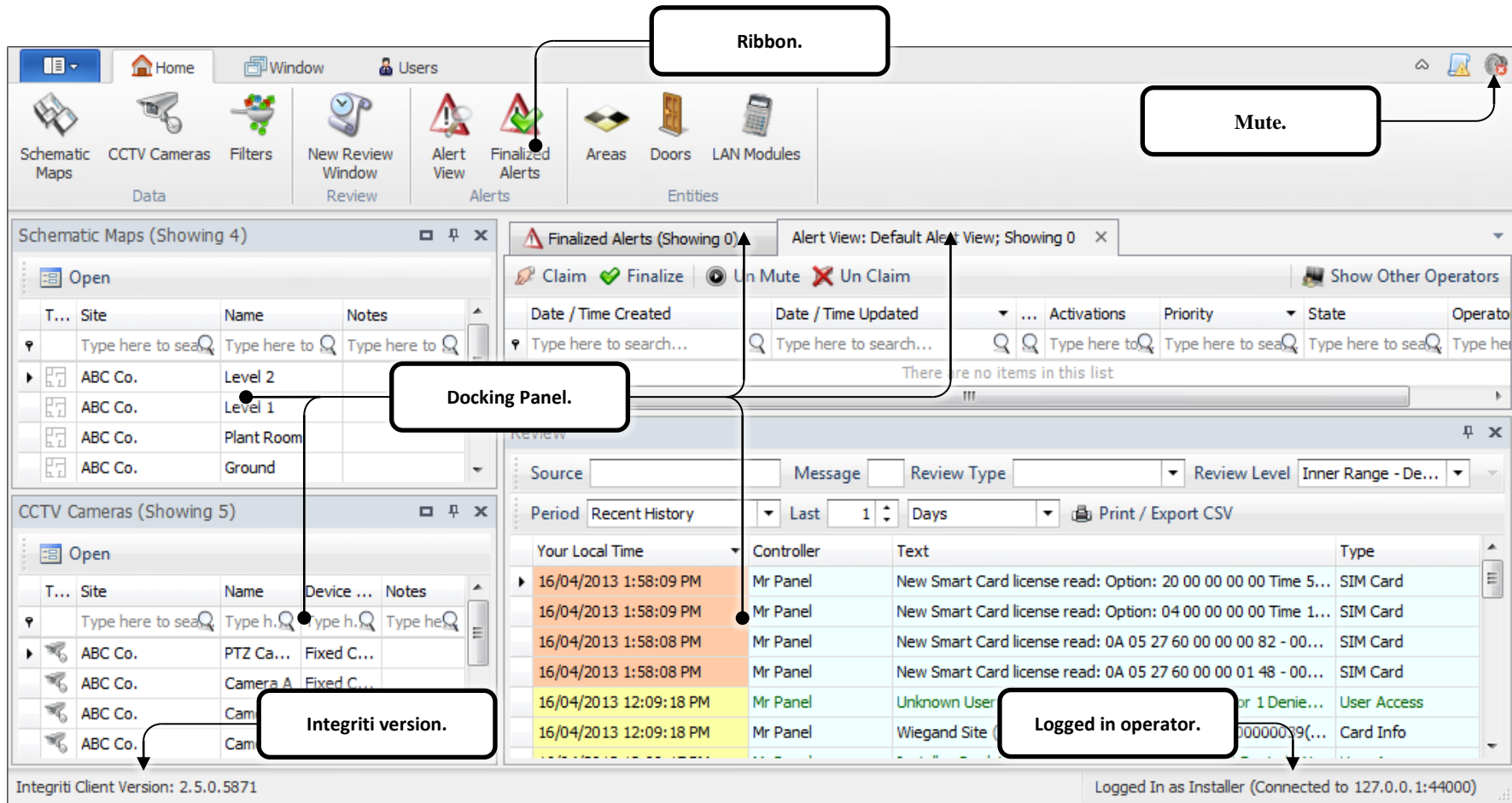


Figure 2



## Ribbon Tab

---

There are a total of 3 ribbons which are accessible by clicking on the appropriate ribbon tab. Each ribbon has a collection of items.



### Home

The home tab contains all of the most commonly used items within Integriti edit.



### Window

The Window tab groups layout sets and layout configuration settings.

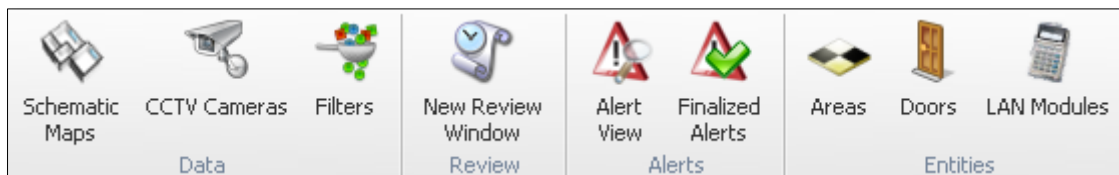


### Users

The Users tab contains user, card and RF remote configuration settings.

## Ribbon

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Integriti makes use of ribbons to help reduce the amount of desktop space used and to help with finding things easier.

## Ribbon Group

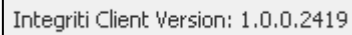
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Ribbon groups contain items that fall in to the same category. For example the 'Lists' ribbon group contains Door Lists, Area Lists and Auxiliary Lists.

## Integriti Version

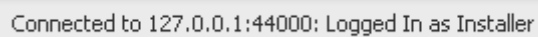
---

A screenshot of a text box displaying the version number: "Integriti Client Version: 1.0.0.2419".

The Integriti version number is displayed in the bottom left-hand corner of the main window.

## Logged in operator

---

A screenshot of a text box displaying connection details: "Connected to 127.0.0.1:44000: Logged In as Installer".

In addition to the client connection details, the name of the Logged in operator is displayed in the bottom right-hand corner of the main window.

## Full screen view

---

Pressing [F11] at any time while running gate keeper will toggle in to full screen mode. When in full screen mode, the ribbon will disappear from view.



You can also enter full screen mode by clicking on the




tab.

## Docking Panel

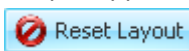
Docking panels are displayed by clicking on the relevant ribbon item.

If a docking panel is already open, clicking on the ribbon item will bring the docking panel to the foreground.



For example, clicking the  button will display the schematic maps docking panel (*Figure 3*).

Each docking panel can be moved freely around the desktop or docked within the Gate Keeper application window. If you need to restore the layout to the factory default, click the



button under the  **Window** tab.

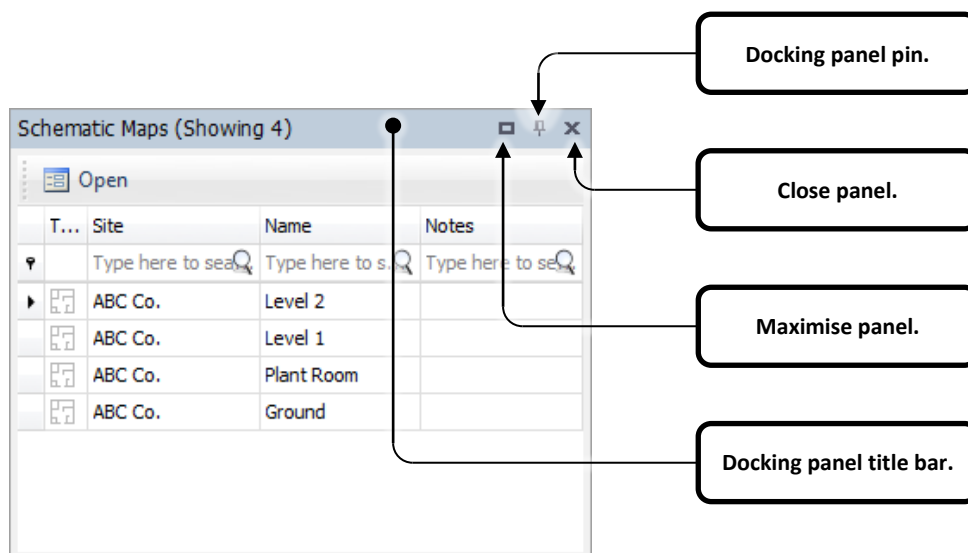


Figure 3

Docking panels can be one of two states:

### **Docked**

The docking panel is bound to a window.

### **Floating**

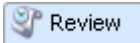
The docking panel has been detached from a window and can be moved freely around the desktop.

## Docking Panel Pin

---

Clicking on the Docking Panel Pin will 'pin' the docking panel to the Integriti window.

- 📌 The docking panel pin in the upright position means the docking panel will remain visible within the window.
- 📌 The docking panel pin in the horizontal position means the docking panel will automatically hide when the docking panel no longer has focus.



When a docking panel is hidden it will appear as small tab on the window edge it was closest to at the time the docking panel pin was clicked. Clicking on the tab or hovering the mouse over the tab will restore the docking panel until the user clicks elsewhere.

Docking panels that are not docked within the Integriti application window cannot be pinned.

## Moving docking panels

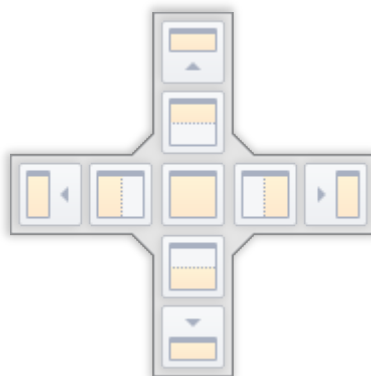
---

Docking panels can be relocated anywhere within the Integriti application window or on the desktop. To relocate a docking panel, click and drag the docking panel title bar.

Dragging the docking panel to the icons any of the following icons will bind the panel to the left, right top or bottom sides of the Integriti application window:



Dragging the docking panel to any of the icons in the centre of any other panel will bind the panel to the top, left, right or bottom of that panel or as an additional tab in a panel group:

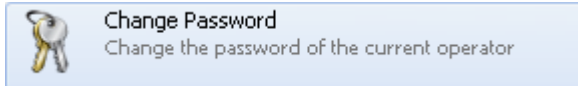


A coloured highlight will indicate the placement of the panel if you were to release the mouse button.

## Operator tasks

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Operator can click on the application button (  ) to perform the following:



Will open the change operator password dialog.

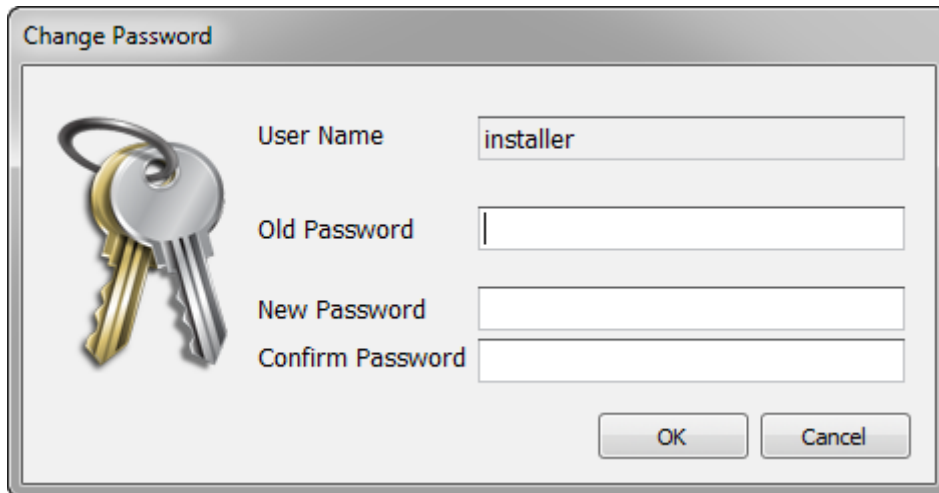
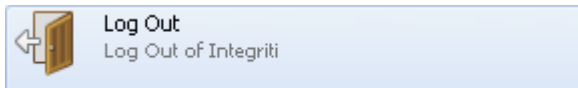
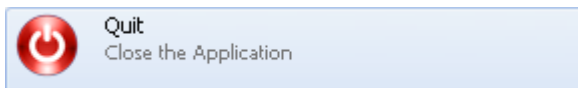


Figure 4

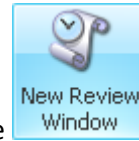



Will log the current operator out of Gate Keeper. The login dialog will appear once logged out.




Close Gate Keeper. This will not prompt the operator for confirmation.

# Review



A comprehensive review log is available by clicking on the  button under the

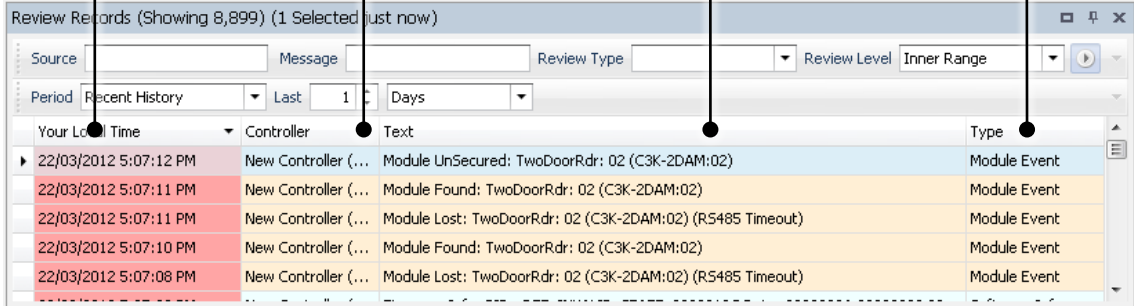
 Home. At a glance, operators can see events as they take place (or history) and action them as required.

**The name of the control module that transmitted this event.**

**The date and time the event occurred at the controller.**

**The text message stored in the control module.**

**The type of message stored in the control module.**



Your Log Time	Controller	Text	Type
22/03/2012 5:07:12 PM	New Controller (...)	Module UnSecured: TwoDoorRdr: 02 (C3K-2DAM:02)	Module Event
22/03/2012 5:07:11 PM	New Controller (...)	Module Found: TwoDoorRdr: 02 (C3K-2DAM:02)	Module Event
22/03/2012 5:07:11 PM	New Controller (...)	Module Lost: TwoDoorRdr: 02 (C3K-2DAM:02) (R5485 Timeout)	Module Event
22/03/2012 5:07:10 PM	New Controller (...)	Module Found: TwoDoorRdr: 02 (C3K-2DAM:02)	Module Event
22/03/2012 5:07:08 PM	New Controller (...)	Module Lost: TwoDoorRdr: 02 (C3K-2DAM:02) (R5485 Timeout)	Module Event

Figure 5

The review panel has a 'heat signature' feature which allows the operator to see the age of the displayed review events. The background colour of the review events in the first column 'Your Local Time' represents the age.



Your Local Time ▼	Controller	Text
21/11/2011 8:33:50 AM		Controller 'New Controller (PT000031)' disconnect
21/11/2011 8:18:28 AM	New Controller (...)	Module UnSecured: Front Entry & Car Park
21/11/2011 8:18:28 AM	New Controller (...)	Module Found: Front Entry & Car Park
21/11/2011 8:03:16 AM	New Controller (...)	System Date/Time set to Nov 21 2011 08:02:50 U
21/11/2011 8:03:16 AM	New Controller (...)	Timezone set to UTC+11:00 by Integriti 01 (Integ
21/11/2011 8:03:16 AM	New Controller (...)	Comms Task 02 (Integriti) - Integriti Connected d

Figure 6

The single greatest advantage of this feature is the ability to notice how review events are grouped without reading individual timestamps. *Figure 6* is a simple example of this feature.

Your Local Time ▼	Controller	Text
21/11/2011 9:58:06 AM	New Controller (...)	System Date/Time set to Nov 21 2011 09:58:36 U
21/11/2011 9:58:06 AM	New Controller (...)	Timezone set to UTC+11:00 by Integriti 01 (Integ
21/11/2011 9:58:05 AM	New Controller (...)	Comms Task 02 (Integriti) - Integriti Connected d
21/11/2011 9:00:00 AM	New Controller (...)	Working Hours became Valid (TP00001)
> 21/11/2011 9:58:35 AM		Controller 'New Controller (PT000031)' connected

Figure 7


In the example above an older event has been placed in between newer events. This scenario can occur when communications to one or many controllers has been (re-)established or when review is sorted on a field other than time.

Review filtering and organisation occurs at the time the filter is applied.

## Schematic Maps

Schematic maps can be used to monitor and control facilities through a simple graphical user interface.



Clicking  opens / displays the schematic maps panel ([Figure 8](#)). From there you can double-click any one of the listed maps to display them in a separate panel ([Figure 9](#)).

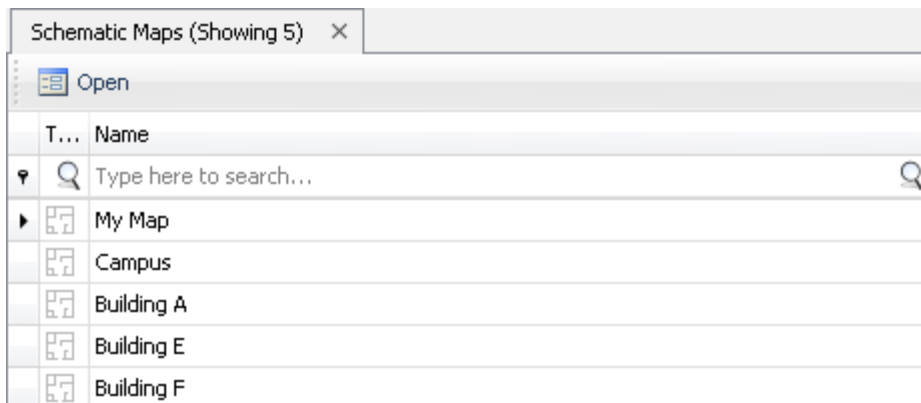


Figure 8

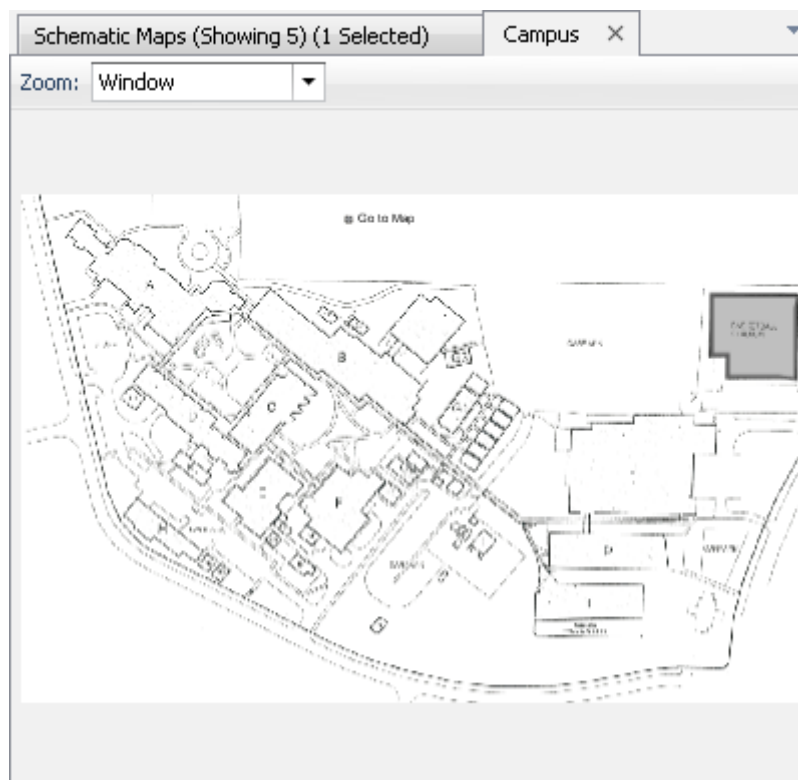


Figure 9



Clicking on a schematic map item will display its available commands and status summary.

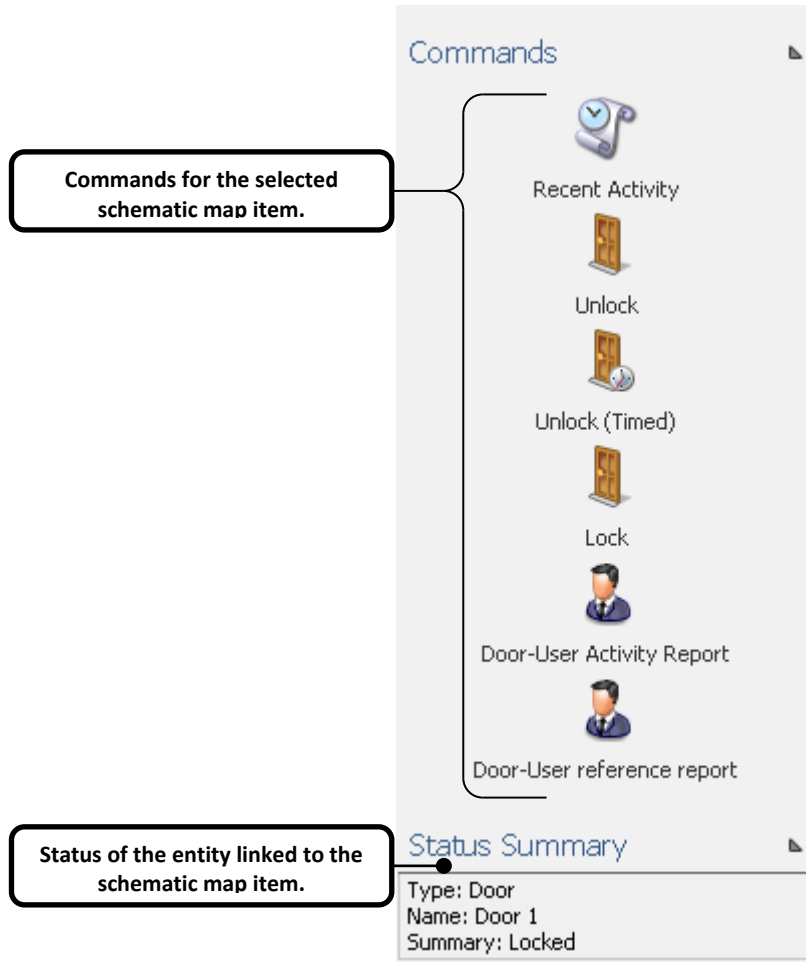


Figure 10

A context menu with a list of the available commands is also available by right-clicking the schematic map item.

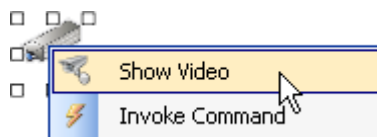


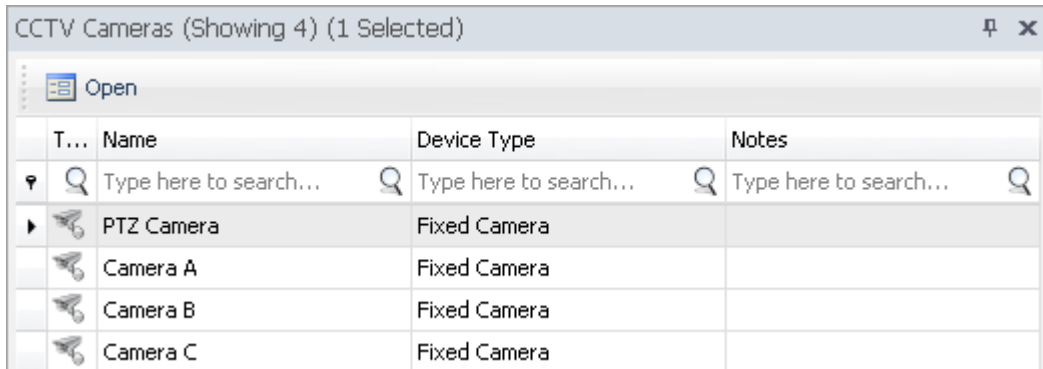


Figure 11

## CCTV Cameras



To control and view cameras, click on the  button under the  tab. The CCTV Cameras panel will display a list of all of the available cameras (*Figure 12*). Double-click on a camera to open a window for viewing live video (*Figure 13*).

A screenshot of a software window titled "CCTV Cameras (Showing 4) (1 Selected)". The window has a search bar at the top with the text "Open". Below the search bar is a table with four columns: "T...", "Name", "Device Type", and "Notes". The table contains four rows of camera data. The first row is highlighted in grey and shows a PTZ camera icon, "PTZ Camera", "Fixed Camera", and an empty "Notes" field. The other three rows show "Camera A", "Camera B", and "Camera C", all with "Fixed Camera" as the device type and empty "Notes" fields. Each row has a small camera icon in the "T..." column.





T...	Name	Device Type	Notes
▶ 	PTZ Camera	Fixed Camera	
	Camera A	Fixed Camera	
	Camera B	Fixed Camera	
	Camera C	Fixed Camera	

Figure 12



Figure 13

Hovering your mouse over one of the control tabs at the bottom of the CCTV window will show one of the CCTV control bars below.

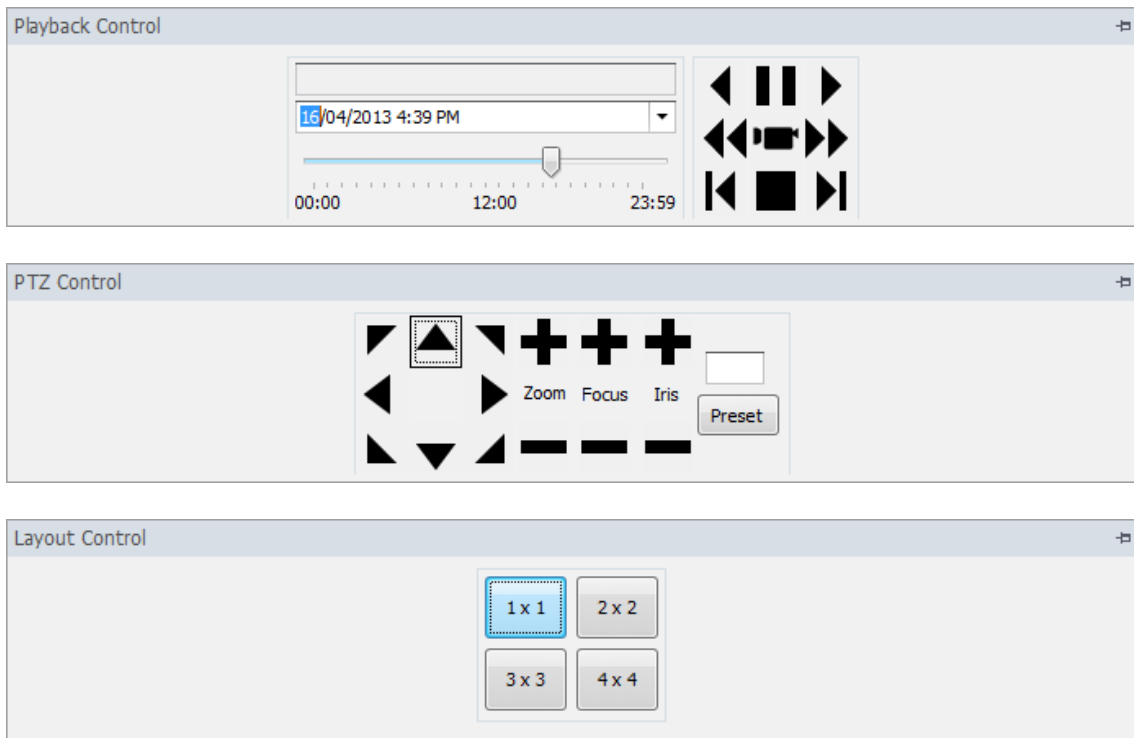





Figure 14


The CCTV control bar will enable the PTZ controls when the selected camera has been configured for CCTV. Depending on the capabilities of the camera and the video management system, certain PTZ controls may not function.

Clicking the directional arrows will pan / tilt the selected camera for the duration that the button is pressed.



Click on the  and  buttons to adjust the zoom, focus and iris on PTZ cameras.

Clicking the  button will send a command to move the camera to the pre-set number specified in the box just above it.

Clicking the  button will put the selected camera view in to live mode. Clicking any of the other buttons in the playback controls area will change the view mode to playback.

## Playback controls

---

You can playback stored video from a particular date and time by clicking on the date time drop down.



Figure 15

Once you have selected the date and time, click  followed by the  button.



Play back archived video in reverse.



Pause archived video play back.



Play back archived video.



Rewind archived video.



Fast-forward archived video.



Move to start of archived video.



Stop archived video playback.

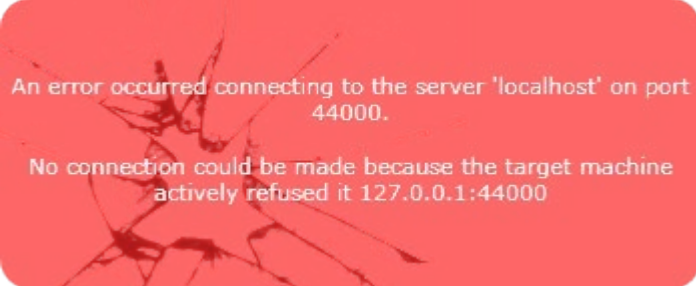


Move to end of archived video.

## Login errors

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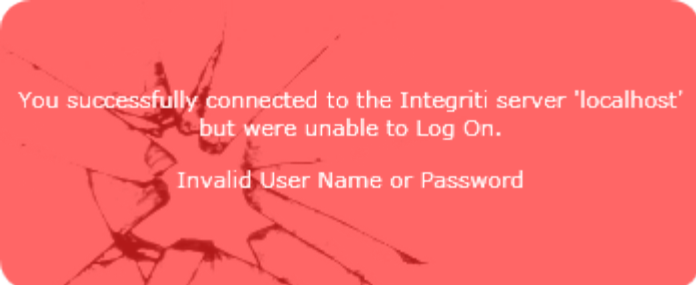
The most common login errors are:

A screenshot of a red error dialog box with a cracked-glass background. The text inside reads: "An error occurred connecting to the server 'localhost' on port 44000."

An error occurred connecting to the server 'localhost' on port 44000.

No connection could be made because the target machine actively refused it 127.0.0.1:44000

Ensure the Integriti Application Server service is running.

A screenshot of a red error dialog box with a cracked-glass background. The text inside reads: "You successfully connected to the Integriti server 'localhost' but were unable to Log On."

You successfully connected to the Integriti server 'localhost' but were unable to Log On.

Invalid User Name or Password

Ensure you have the correct Operator username and password.


## Customizing layouts

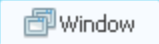
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The layout of the entire management suite can be customised and stored. Stored layouts include:

- Positioning of each individual docking panel.
- Its own layout set. Which includes:
  - Positioning of each individual dialog window.
  - Content layout of each entity editor dialog window.

Layouts can be assigned to individual operators as required.

To customise an individual docking panel, open it and click the  button.

Additional layout configuration settings are found under the  tab.


Pressing the  button will restore the entire layout back to the factory default settings.

## Layouts

---

Layouts contain information about the panel(s) that are displayed and their position. Client workstations can be configured to automatically load a layout on start-up.



Click on the  button to open the layout manager.

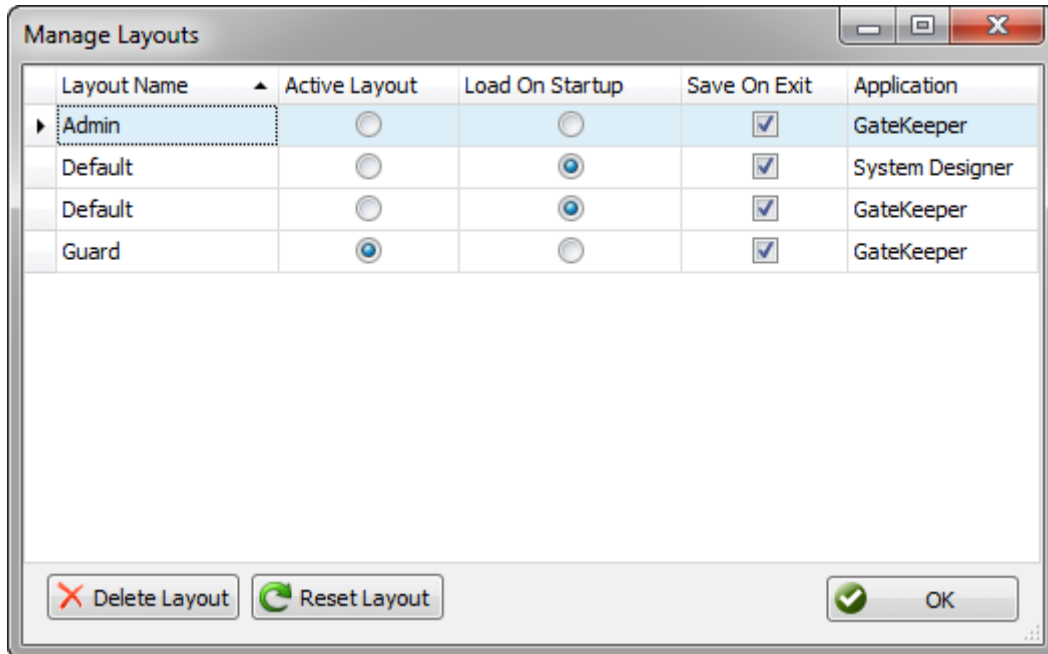



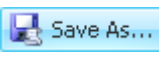
Figure 16

Each client can have its own layout that is loaded in start-up. To select the desired layout, click on the radio button in the 'Load On Startup' column to the right of the desired layout.


The active layout can be changed at any time by opening the layout manager and clicking on the radio button in the 'Active Layout' column to the right of the desired layout.

If the active layout has the 'Save On Exit' checkbox ticked, the layout will be saved when the Integriti software management suite is closed. Next time the layout is loaded, the layout will restore to the state it was in prior to Integriti closing.

Clicking the  button will save the current layout to the layout that is currently active.

Clicking  will allow you to save the current layout as a new layout. A dialog window will appear prompting the user to enter a name for the new layout.



Click on the  button to load a specific layout.

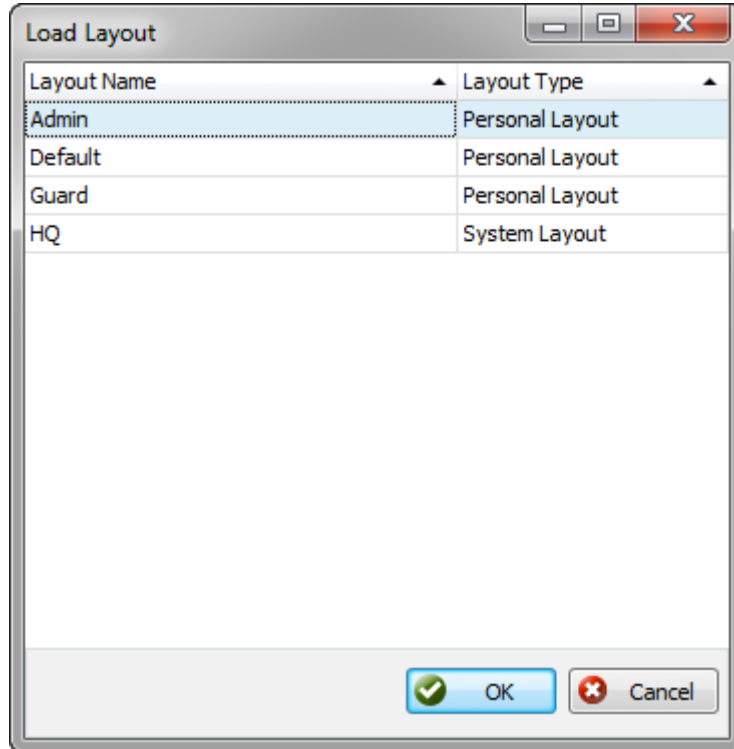
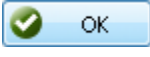


Figure 17

Click on the desired layout followed by .



## Alerts

Alerts bring to the attention of one or many operators the change of state of one or many events.

Alerts are created and configured in the Integriti System Designer. Alerts are actioned within Integriti Gate Keeper.

Operators can claim an alert

Alert View: My Alert View; Showing 2							
<span>Claim</span> <span>Action</span> <span>Force Finalize</span> <span>Un Mute</span> <span>Un Claim</span>				<span>Show Other Operators</span>			
Date / Time Created	Date / Time Upda...	Message	Activations	Outstanding...	Prio...	State	Operator
Type here to search	Type here to search	Type here	Type here	Type here to	Type h	Type he	Type here to sea
4/02/2013 2:34:40 PM	4/02/2013 2:34:40 PM	Tamper ...	1	1	Priority1	Claimed	Installer
4/02/2013 2:34:33 PM	4/02/2013 2:34:33 PM	Tamper ...	1	1	Priority1	Unclaimed	

Figure 18

## Alert Definitions

Alert Source	Basic	Created	Retriggered	Claimed	Finalised	Claim Timeout	Finalise Timeout
<input checked="" type="checkbox"/> Enabled							
Priority		Priority1					
<input type="checkbox"/> Allow finalize without requesting response							
Response Plan		<input type="text"/> ... <input type="button" value="X"/>					
Foreground Color		<input type="text"/> 0, 0, 0, 0					
Background Color		<input type="text"/> 0, 0, 0, 0					
Groups		<input type="text"/> <input type="button" value="X"/> ...					



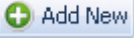


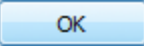
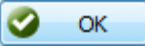

Figure 19

## Alert Views

---

Alert Views are lists containing Alerts belonging to the groups specified within the Alert View.

### To create a new Alert View...

1. Open the  panel from the  Administration tab.
2. Click the  Add New button to create a new Alert View.
3. Give the new Alert View a name and enter a description in the notes field.
4. Expand-out Settings and click on the  to the right of groups.
5. In the window that appears, click on the  Add button and select one or many Alert Groups from the list that appears.
6. Click  to confirm your selection. Click  once more to go back to the Alert View editor window.
7. Click  and close the Alert View.

## Response Plans

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Response Plans can be used as an alternative to the default Finalize Response window. Response Plan windows can contain custom text in the form of instructions, checklists, buttons, alert details, response history and operator response items.

For more information on the Response Plan layout manager, please refer to the document titled 'Interface Elements for Integriti'.

### Add Instructions Box Item

---

Clicking this button adds an instruction box to the response plan.

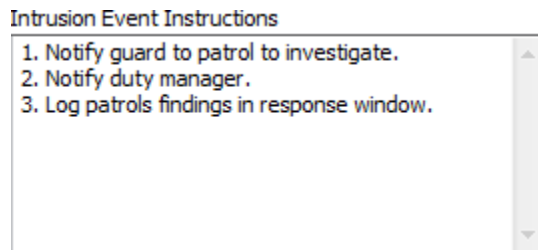


Figure 20

There are two configurable options available:

Instruction Text – Contains plain text

Caption Text – This is an optional text label for the Instruction Box item.

### Add Checklist Steps Item

---

Clicking this button adds a Checklist item to the response plan. Checklist items can consist of checkboxes, combo boxes and text. Each checkbox/combo box/text has an optional 'Required For Finalize' attribute. Operators will not be able to finalize the alert until all of the items with 'Required For Finalize' set have been given a value by the operator.

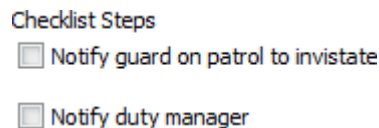

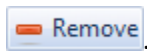


Figure 21

Caption Text – This is an optional text label for the Checklist Step item.

Checklist Steps – Click on the  to open the checklist steps for editing.

Click the  button to add a new item to the checklist.

To remote an item from the list, click on the item followed by .

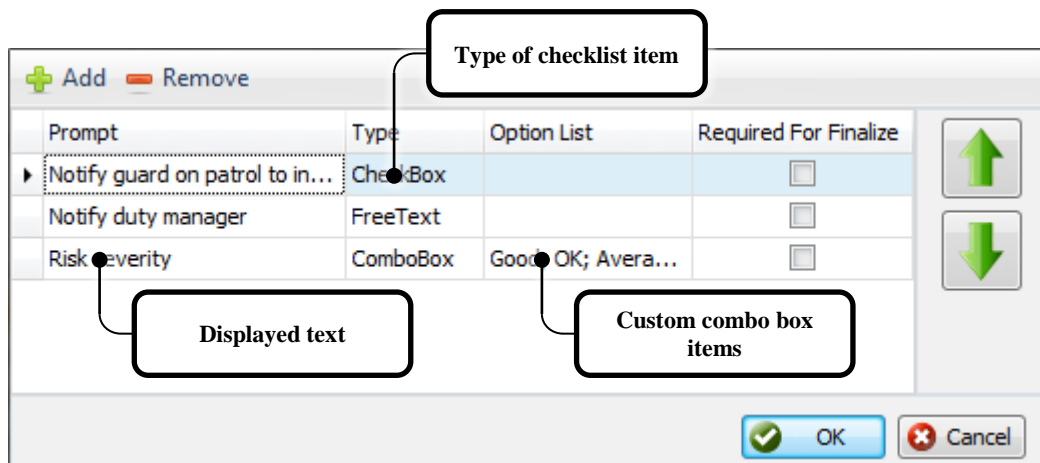



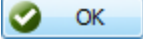
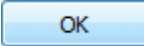


Figure 22

### To add an item to the checklist....

1. Click on  to add a new row to the checklist.
2. Under the Prompt column, enter the name of the checklist item.
3. Under the Type column, select CheckBox, Free Text or Combo Box from the list.
4. If Combo Box was selected...
  - a. Click on the  under the Option List to open the combo box items editor.
  - b. Click on  to add a new item to the combo box.
  - c. Enter text in the box provided.
  - d. Repeat steps b-c as required.
  - e. Click  to go back to editing the checklist.
5. If the operator is required to enter a value for this checklist item, tick the checkbox under the 'Required For Finalize' column.
6. Click  to go back to the Response Plan editor.

### Add Button Item

Clicking this button adds a Button Item to the Response Plan. Response plan buttons can invoke any action in the section 'Action types'.

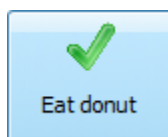

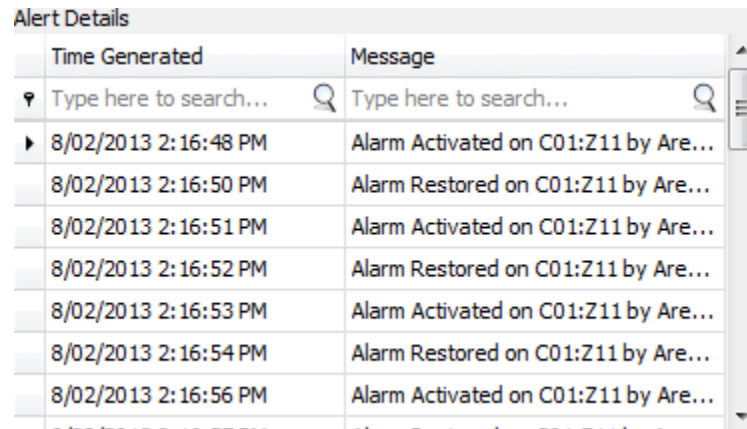


Figure 23

- Button Image – Optional button image. Click the  to open a .bmp, .gif, .jpg, .png or .ico.
- Button Text – Optional text displayed on the button
- Image Width – The width of the image in pixels
- Image Height – The Height of the image in pixels

## Add Alert Details View Item

The Alert Details View Item displays review history that is directly related to the alert.

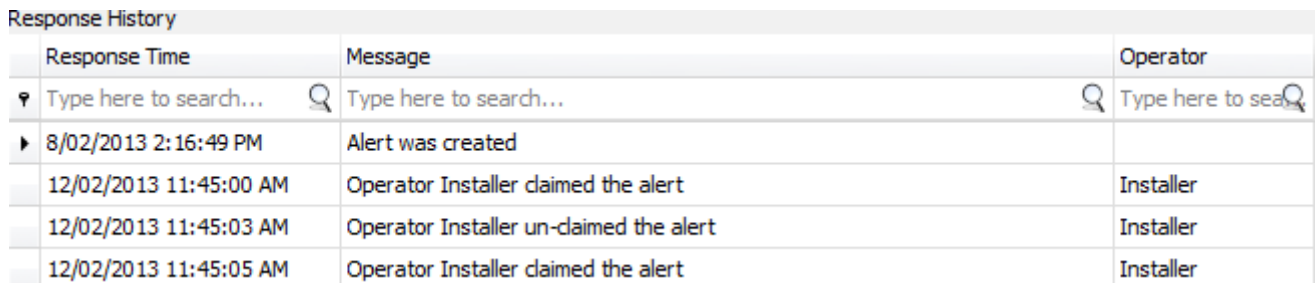


Alert Details	
Time Generated	Message
Type here to search...	Type here to search...
8/02/2013 2:16:48 PM	Alarm Activated on C01:Z11 by Are...
8/02/2013 2:16:50 PM	Alarm Restored on C01:Z11 by Are...
8/02/2013 2:16:51 PM	Alarm Activated on C01:Z11 by Are...
8/02/2013 2:16:52 PM	Alarm Restored on C01:Z11 by Are...
8/02/2013 2:16:53 PM	Alarm Activated on C01:Z11 by Are...
8/02/2013 2:16:54 PM	Alarm Restored on C01:Z11 by Are...
8/02/2013 2:16:56 PM	Alarm Activated on C01:Z11 by Are...

Figure 24

## Add Response History Item

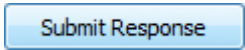
The Response History Item displays information regarding the alert such as the creation time, who claimed it, what checklist items have been given values and what response text operators have added to the alert.



Response History		
Response Time	Message	Operator
Type here to search...	Type here to search...	Type here to search...
8/02/2013 2:16:49 PM	Alert was created	
12/02/2013 11:45:00 AM	Operator Installer claimed the alert	Installer
12/02/2013 11:45:03 AM	Operator Installer un-claimed the alert	Installer
12/02/2013 11:45:05 AM	Operator Installer claimed the alert	Installer

Figure 25

## Add Operator Response Item

Clicking this button adds an Operator Response Item to the Response Plan. Operators can add their own text to the alert. Clicking the  will add the text to the Response History.

Operator Response

Found Ethan Hunt dangling in the middle of the server room.

Submit Response

Figure 26

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