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FlashCast User Manual v1.2.9

<https://flashcast.mimomonitors.com/>

<https://www.mimomonitors.com/products/mimo-flashcast>



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QuickStart Guide

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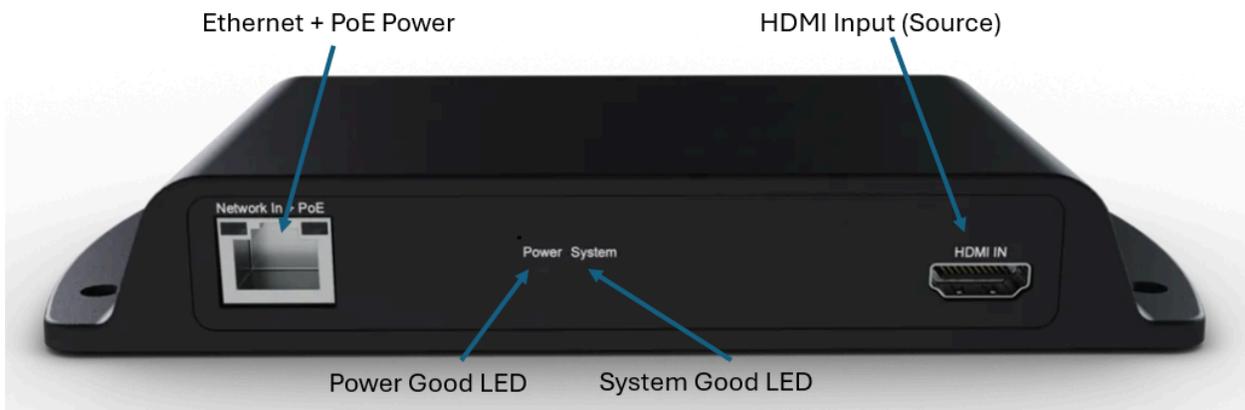
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What's in the Box

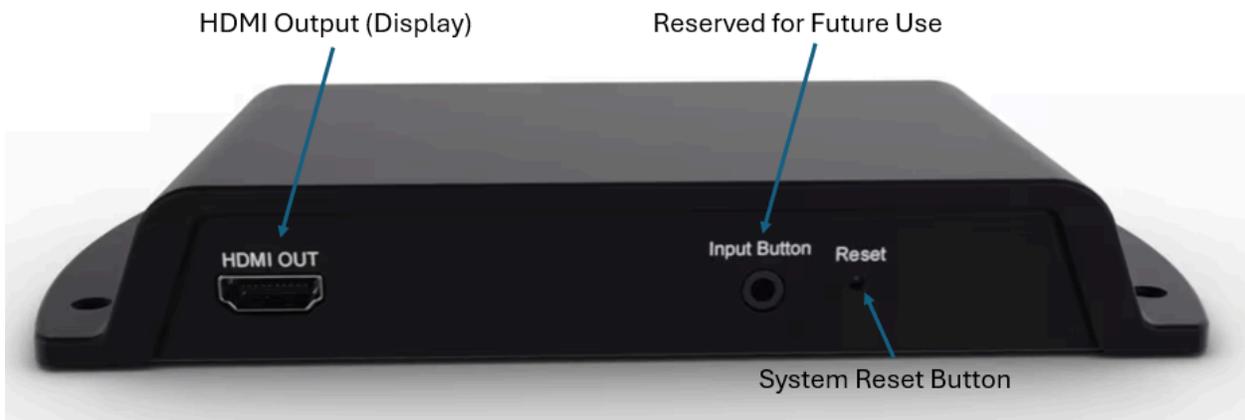
Inside the box

- FlashCast unit
- HDMI Cable

Connections



- Network In - Ethernet - Cat5 - 100 Base-T. Connection to the internet required. Dynamic Host Configuration Protocol (DHCP) required. If a fixed IP is needed, this should be configured on the router linked to the mac address
 - This port is 802.3af PoE compliant. This is the only method to power FlashCast
- HDMI In - This is the source side that is normally connected to the display. Disconnect it to the display and connect it here
- Power Good LED - This LED is lit if the power is being provided from PoE. This LED indicates no other function other than PoE power
- System Good LED - This light will be lit once the system is fully booted and active.



- HDMI Out - This should be connected to the display, projector, smartboard, etc that is the display for the source connected to the input
- Input Button - 3.5mm jack - At this time, this connector has no function and is reserved for future use
- Reset - recessed button - Pushing this will cause a full system reset and reboot.



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Install Diagram

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Configurations

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Creating your account

If you are the IT administrator or equivalent then Mimo will send you an email to setup your account to the email you have designated to be the administrator account. If you are not the company administrator, your administrator will need to create an account for you.

You will receive a verification email from donotreply@mimomonitors.com, check your spam folder in case it's there.

Please note, you need to use a Microsoft account to login to FlashCast at this time.

Account creation for the Organization Administrator will look like this:

The screenshot shows the 'Organization Admin Enrollment' form. At the top, there is the Mimo Monitors logo, which consists of the word 'mimo' in a stylized font with a hand icon pointing to the 'o', and the word 'MONITORS' in a bold, sans-serif font below it. The form itself is a white box with a blue header and a blue 'Enroll' button at the bottom. It contains the following fields:

- Organization Name:** A text input field containing 'TomCo'.
- Admin Name:** A text input field containing 'Enter your name'.
- Organization Admin Email:** A text input field containing 'FlashCastDemo@outlook.com'.
- Phone Number:** A text input field containing 'Enter phone number'.
- Address:** A text input field containing 'Enter Address'.

Fill in fields with your company contact information.



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Setting Up FlashCast

To install and power your FlashCast device:

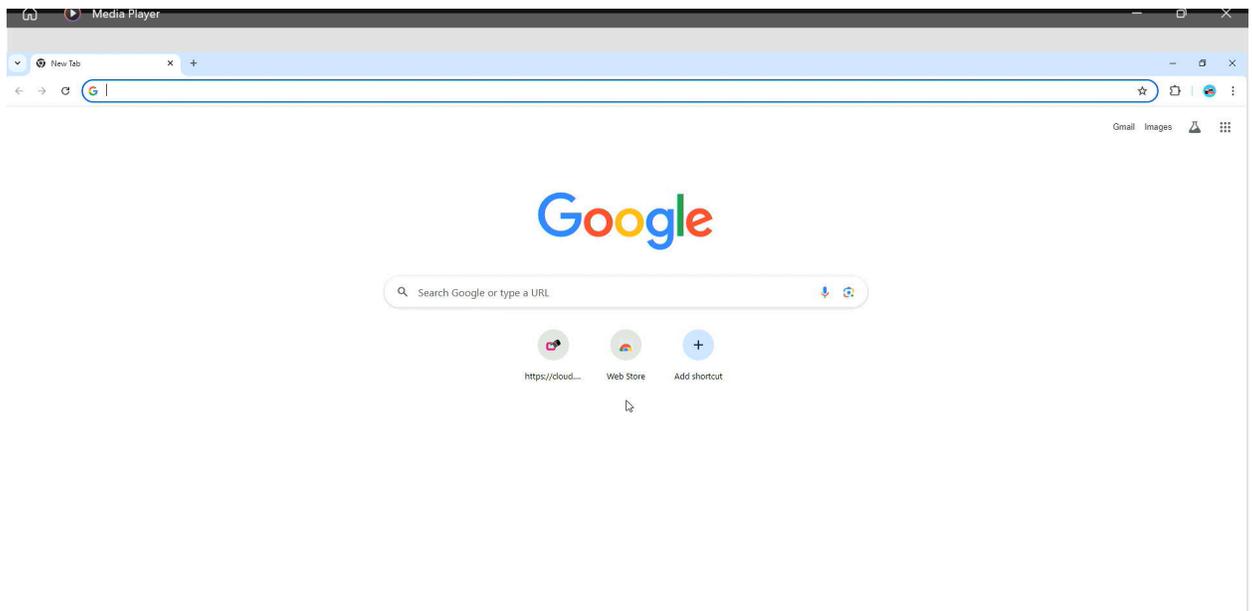
- Connect the HDMI OUT port to the input of your display device (e.g., monitor, projector).
- Connect the HDMI IN port to your content source (e.g., signage player, media server).
- Connect an Ethernet cable that supplies PoE (802.3af minimum) to the LAN + PoE port.

Once all connections are made, the Power LED will illuminate to indicate the device is powered.

Booting Up the FlashCast Device

Upon powering the FlashCast device:

- The Power LED turns on while the display remains black.
- Ethernet lights activate, indicating a network connection.
- Your display turns on and shows current video content.
- A yellow bar appears at the bottom of the screen to indicate booting status.

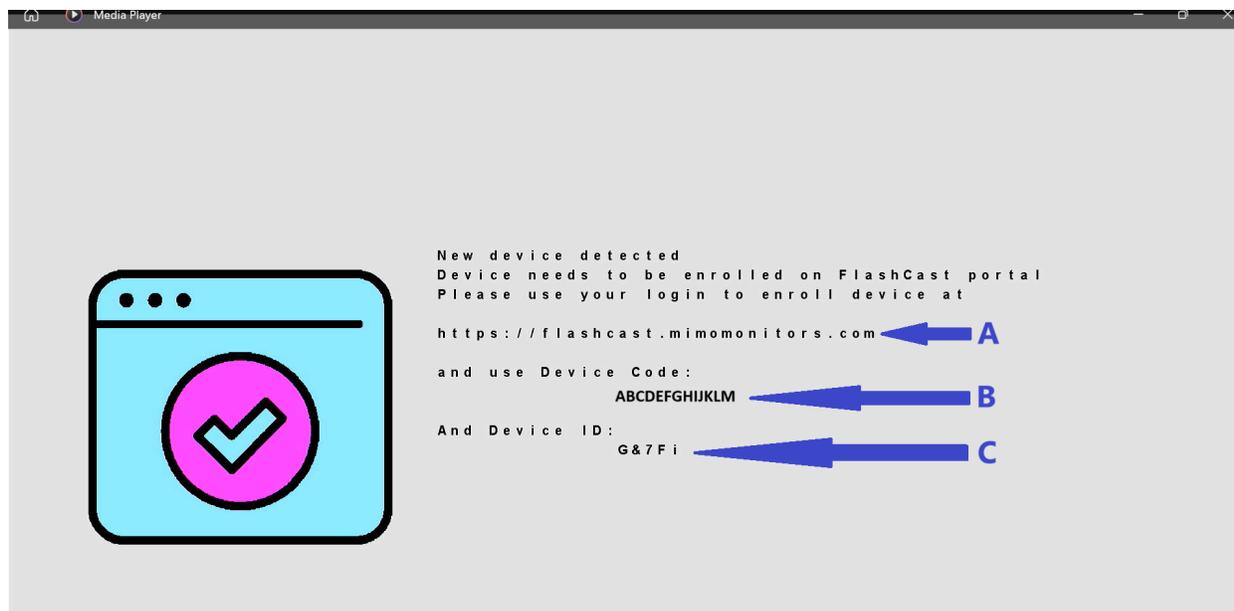


**System Boot Complete
Checking State of Network and Connection**

- A second yellow message may appear during cloud connection setup. This is normal.



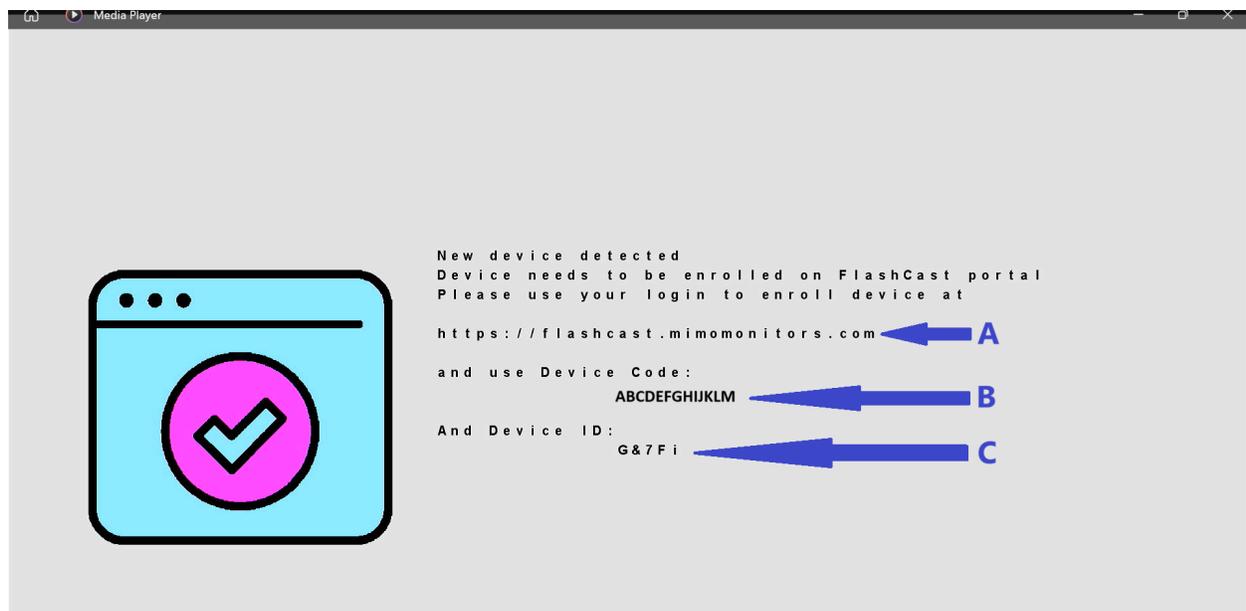
- If registered, the FlashCast logo will briefly display before content resumes. This will disappear after 60 seconds. This is so you know the device has booted properly.
- If however, this screen is shown, then this device is not yet registered to the Cloud. Please see the next section [Registering Device](#)



NOTE: If the device has missed messages while being powered off, it will cycle through them until it hits the most current one, this can take some time depending on how long the device was powered down.

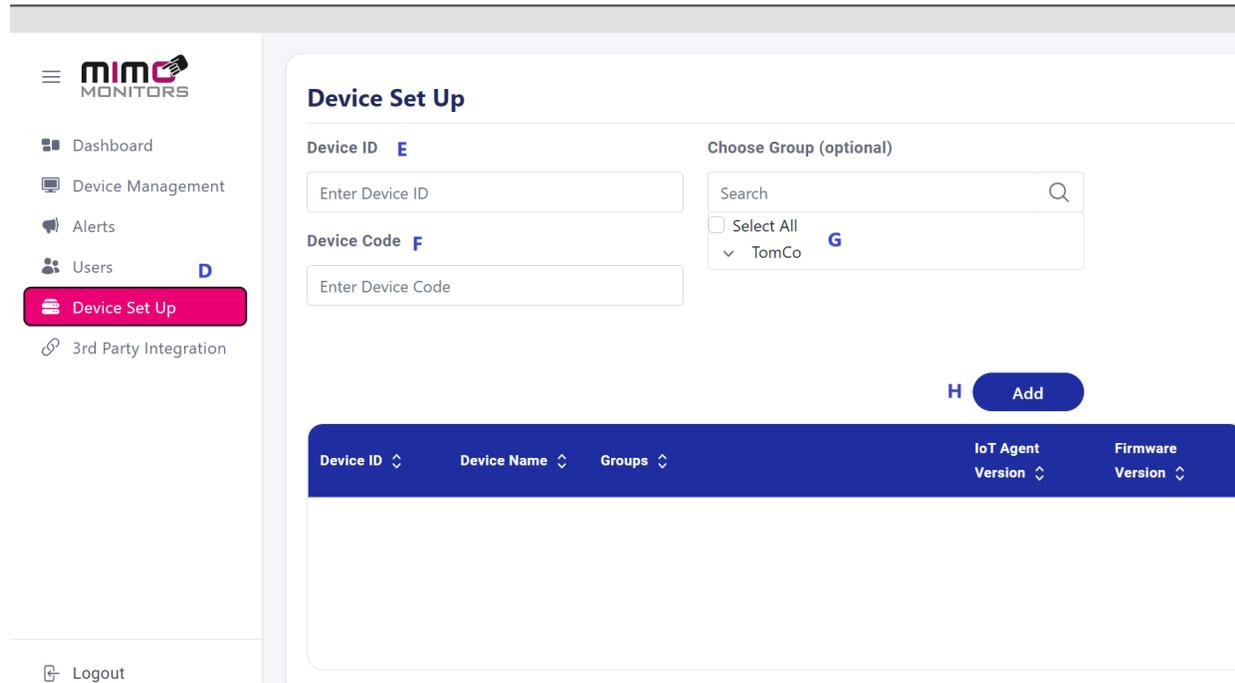
Registering the Device

1. Power on the display and switch to the HDMI input for the FlashCast device.
2. Wait for the screen to show the Device ID and Device Code. DeviceID will be the same as the Serial Number on the bottom of the device. Note: Both are case-sensitive.



3. Go to <https://flashcast.mimomonitors.com> and login to your account

4. Navigate to the 'Device Setup' tab.



5. Enter the Device ID (printed on the device) and the Device Code (changes every 5 minutes)
6. (Optional) Select a Group to assign the device to
7. Click 'Add'. The device will appear in your dashboard and display a confirmation message.

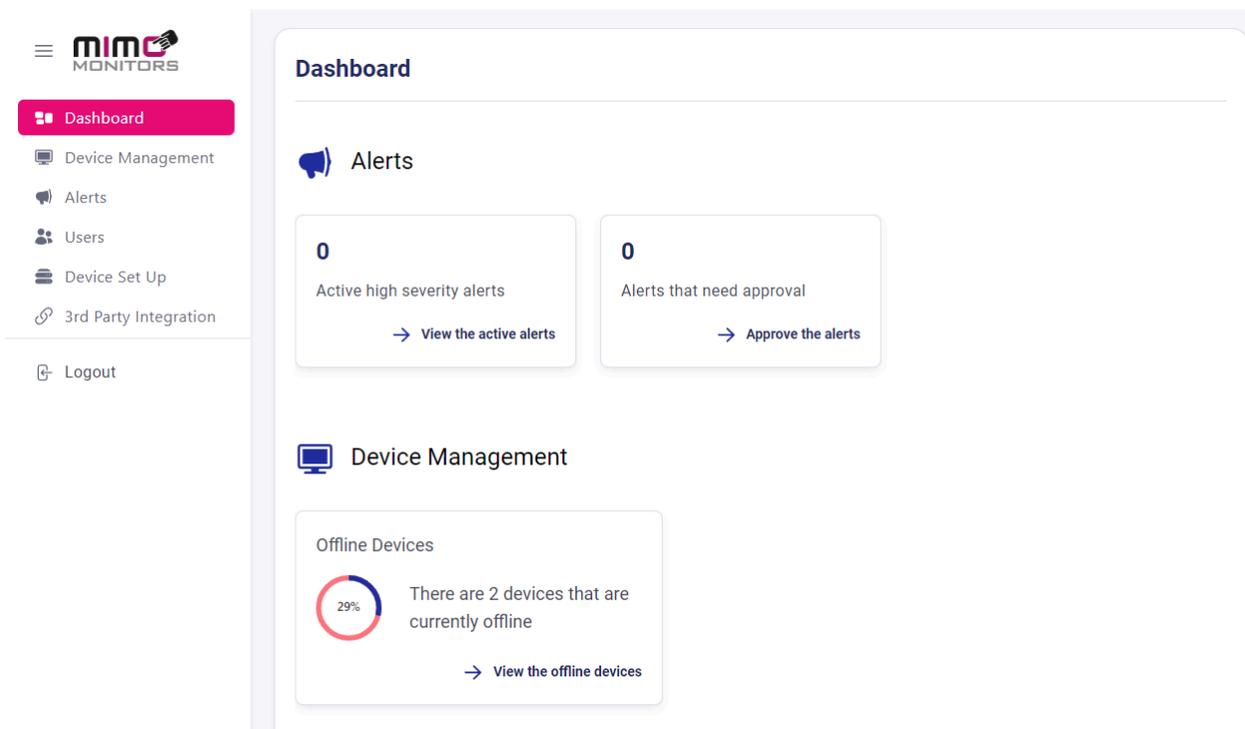
After the device is registered, you will see this screen. It will automatically revert to operation mode in 15 seconds. So long as the device is not deregistered, users should only see this screen once.



Using the Dashboard

The FlashCast dashboard provides an overview of your organization's devices, alerts, and user activity.

- View current active alerts and devices.
- Identify alerts pending admin approval.
- Monitor device connectivity status.



The screenshot shows the MIMO MONITORS dashboard interface. On the left is a navigation sidebar with the MIMO MONITORS logo at the top, followed by a menu: Dashboard (highlighted in pink), Device Management, Alerts, Users, Device Set Up, 3rd Party Integration, and Logout. The main content area is titled "Dashboard" and is divided into two sections. The "Alerts" section features a blue megaphone icon and two summary cards: "0 Active high severity alerts" with a link to "View the active alerts", and "0 Alerts that need approval" with a link to "Approve the alerts". The "Device Management" section features a computer monitor icon and a summary card for "Offline Devices" showing a 29% progress indicator and the text "There are 2 devices that are currently offline" with a link to "View the offline devices".



Device Management

Managing Groups

Groups are the primary way to alert, organize, and manage all devices.

- Groups are in a hierarchical structure and multiple subgroups can be made under existing groups/subgroups.
- Devices can be in more than one group/subgroup.
- When a group is selected for an Alert, all subgroups under that group and devices in them will also be alerted.
- Groups are beneficial in this way since a large number of devices can be quickly notified of a critical alert.

Groups are also important for organizations with multiple admins and users.

- Admins and users can be granted access only to specific groups for better role-based control.
- Large organizations with multiple locations can ensure that users in a single location will only be able to alert local devices.

View your groups here and see what devices are in those groups here



Device Management [Assign Devices to Group](#) [+ Create Group](#)

Search for devices (case sensitive)...

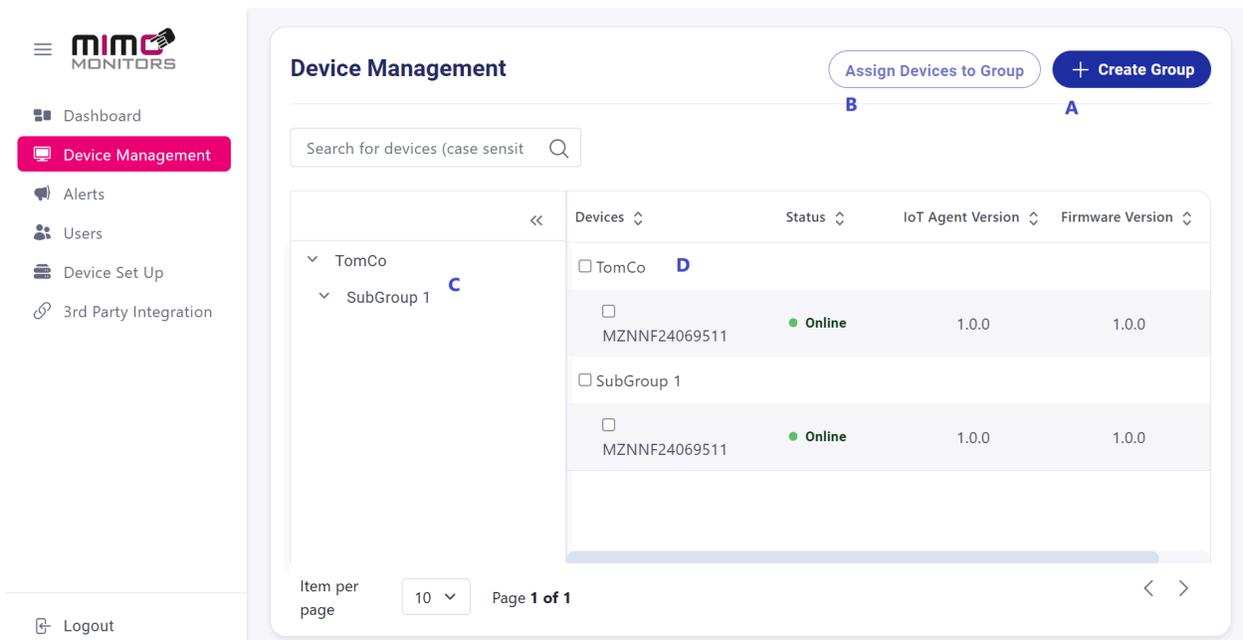
	Device Name	Device Id	Status	IoT Agent/Application Version	Firmware/Android Version	Device Type
<input type="checkbox"/> Princeton						Hardware
<input type="checkbox"/> MZNNF24069508	MZNNF24069508		Offline	1.0.3	1.2.6	Hardware
<input type="checkbox"/> MZNNF24069509	MZNNF24069509		Offline	1.0.3	1.2.6	Hardware
<input type="checkbox"/> MZNNF24073603	MZNNF24073603		Offline	1.0.3	1.2.6	Hardware
<input type="checkbox"/> DLS Test						Hardware
<input type="checkbox"/> MYNNF24129313	MYNNF24129313		Offline	1.0.3	1.2.6	Hardware
<input type="checkbox"/> MYNNF24129314	MYNNF24129314		Offline	1.0.3	1.1.8	Hardware
<input type="checkbox"/> MYNNF24129312	MYNNF24129312		Offline	1.0.3	1.1.8	Hardware
<input type="checkbox"/> MZNNF24073606	MZNNF24073606		Offline	1.0.3	1.2.6	Hardware
<input type="checkbox"/> IDEA CON						Hardware

Item per page: 10 Page 1 of 6

The information on this page is

- Device Name - Friendly name, can be modified with 'edit'
- Device Id - Hardware ID (serial number) and can not be modified
- Status - Is the unit currently online or offline
- IoT Agent/Application Version - Firmware version of the hardware IOT Agent
- Firmware/Android Version - Firmware Version of the FlashCast code.
- Device Type - 'Hardware' means FlashCast hardware. 'Android Tablet' is a software solution to push alerts to Android devices.

Create A Group



The screenshot shows the MIMO Device Management interface. On the left is a navigation menu with options: Dashboard, Device Management (highlighted), Alerts, Users, Device Set Up, and 3rd Party Integration. The main content area is titled "Device Management" and includes a search bar and two buttons: "Assign Devices to Group" (labeled B) and "+ Create Group" (labeled A). Below the search bar is a tree view showing a hierarchy: TomCo (labeled C) > SubGroup 1. To the right of the tree is a table of devices with columns: Devices (with a dropdown arrow), Status, IoT Agent Version, and Firmware Version. The table contains two rows, each representing a device with ID MZNNF24069511, both with a status of "Online" and versions of 1.0.0. At the bottom of the interface, there is a "Logout" button, an "Item per page" dropdown set to 10, and "Page 1 of 1" with navigation arrows.

To create a group,

1. click "+ Create Group" (A)
2. Enter a name for the group
3. (Optional) Assign the new group to an existing group to create a hierarchy
4. Click "Submit"

Assign Devices to Group (B)

1. Click on Assign Devices to Group
2. Select what group the devices belong to



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3. Select the devices to assign to that group
4. Click "Submit"

Managing Devices

1. Select the device you wish to manage
2. Click on the 3 dots
3. Clicking "Edit" allows the 'Device Name' column to be a more descriptive name. The 'Device id' is not editable.
 - a. (Note) The Device must be online to do this

Edit Device Name



Device Name

Cancel

Edit

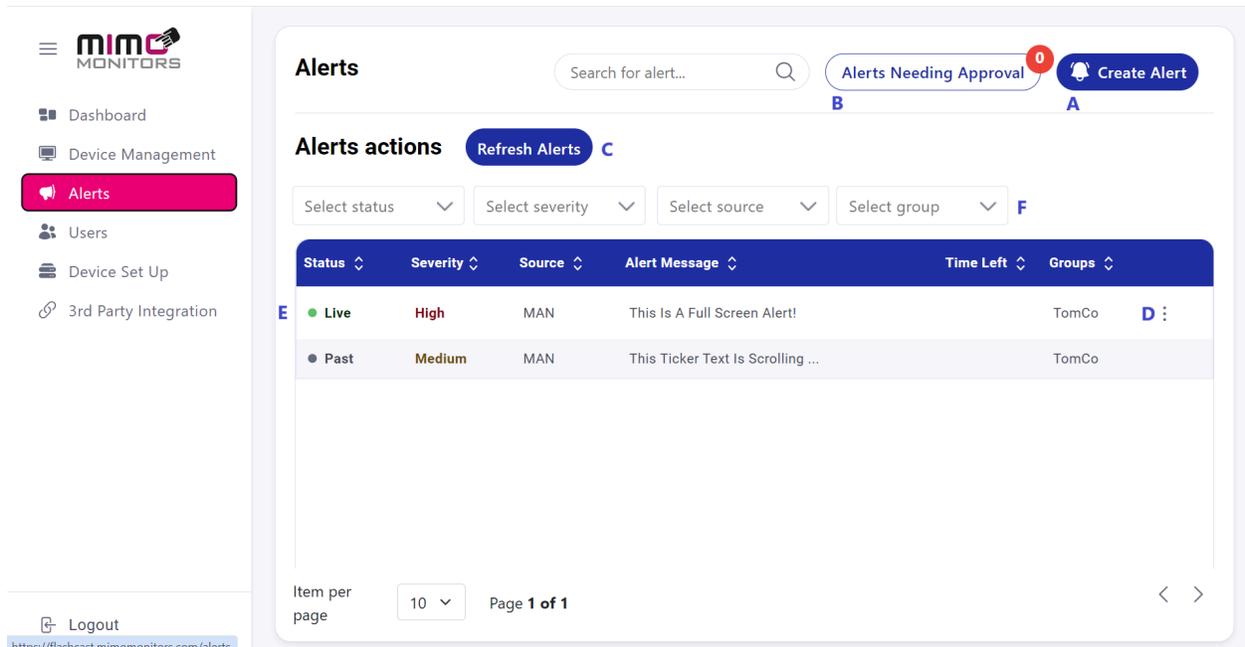
4. Clicking "Delete" to **deregister** a device from the organization. It will then need to be re-enrolled. Please see the 'Register a Device' section.
 - a. (Note) The Device must be online to do this
5. Clicking "Unassign" will remove the device from the group, but not the organization

NNF24069511	● Offline	1.0.0	1.1.6	⋮
				Edit
				Unassign
				Delete

Alerts

Alerts are the most important part of FlashCast. They get the information to the viewer quickly. Alerts have a variety of templates to use depending on the severity and type of information being broadcasted. Below goes over what these templates are, what they are recommended for, and how the information will be displayed to the viewer.

Alerts Menu:



A: See [Creating an Alert](#)

B: Approve Alerts

C: Refresh Alerts: This will refresh the table of active alerts (E)

D: Click to [End Alert](#).

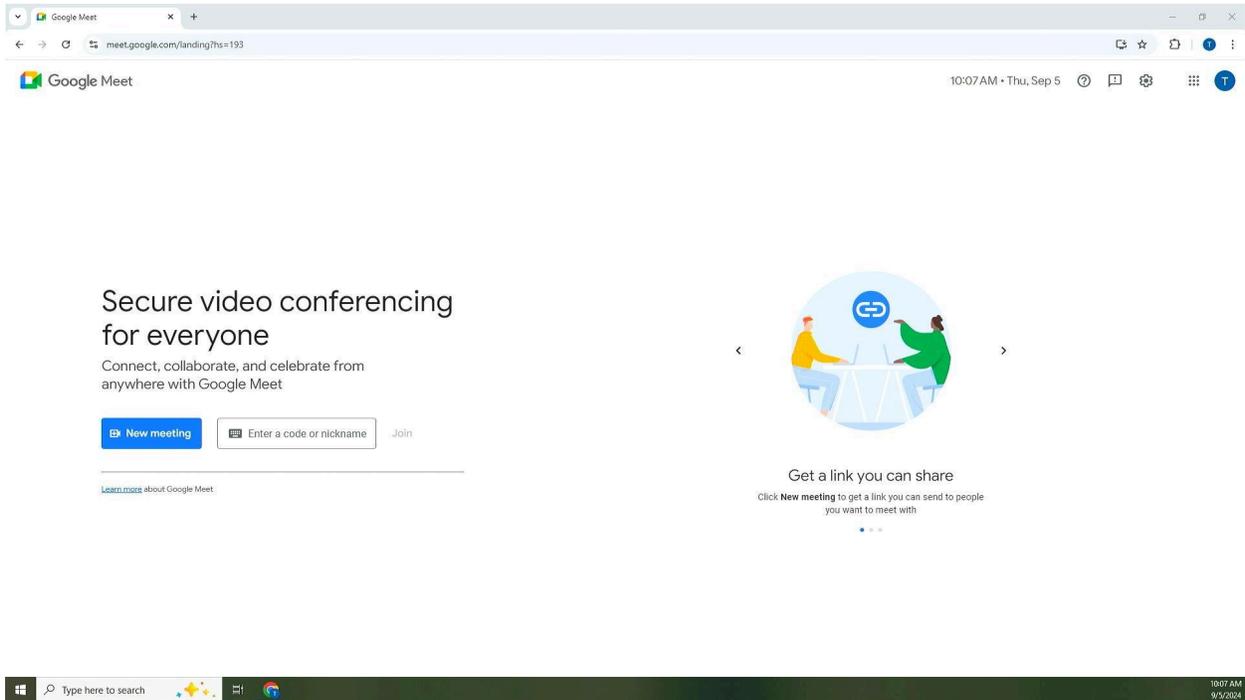
E: Table of current and past Alerts. See what is currently active and what was active previously. It will also show who what groups the Alert is active on.

F: Drop downs for sorting the table (E) See [Dropdown Menus](#)

Screen before:



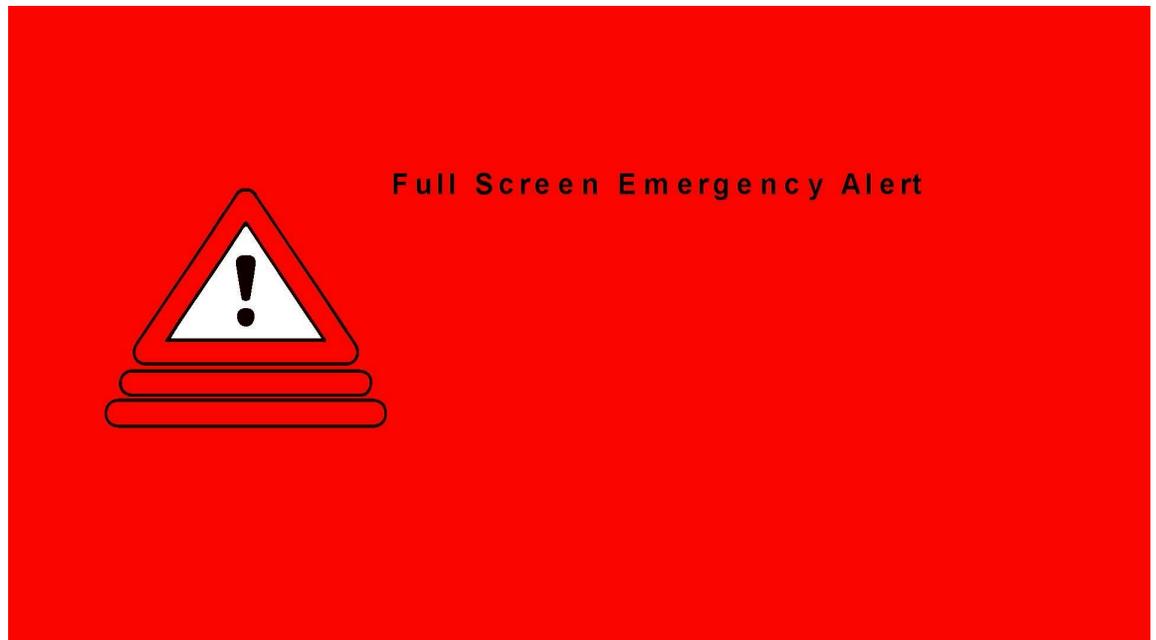
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Creating an Alert

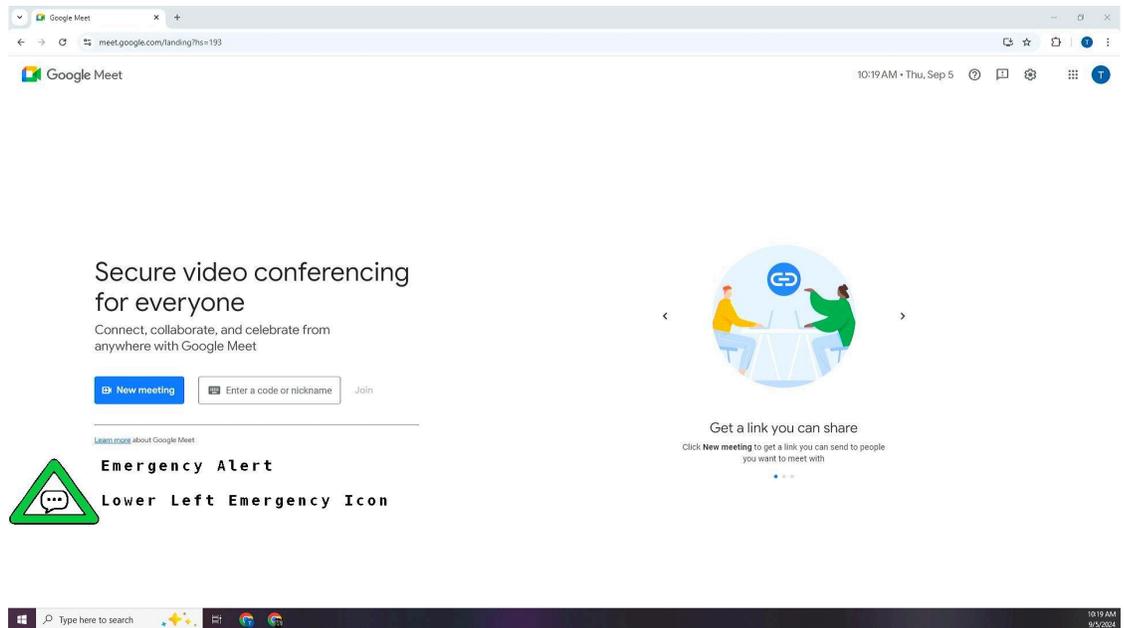
1. Select a template

Emergency, take over screen: This alert will take over the entire screen and show whatever information is typed into the “Write Alert Message” box. Nothing else will be displayed on the screen except the alert and graphic. This can only be cleared by clearing the alert on the cloud site (See Clearing Alert)



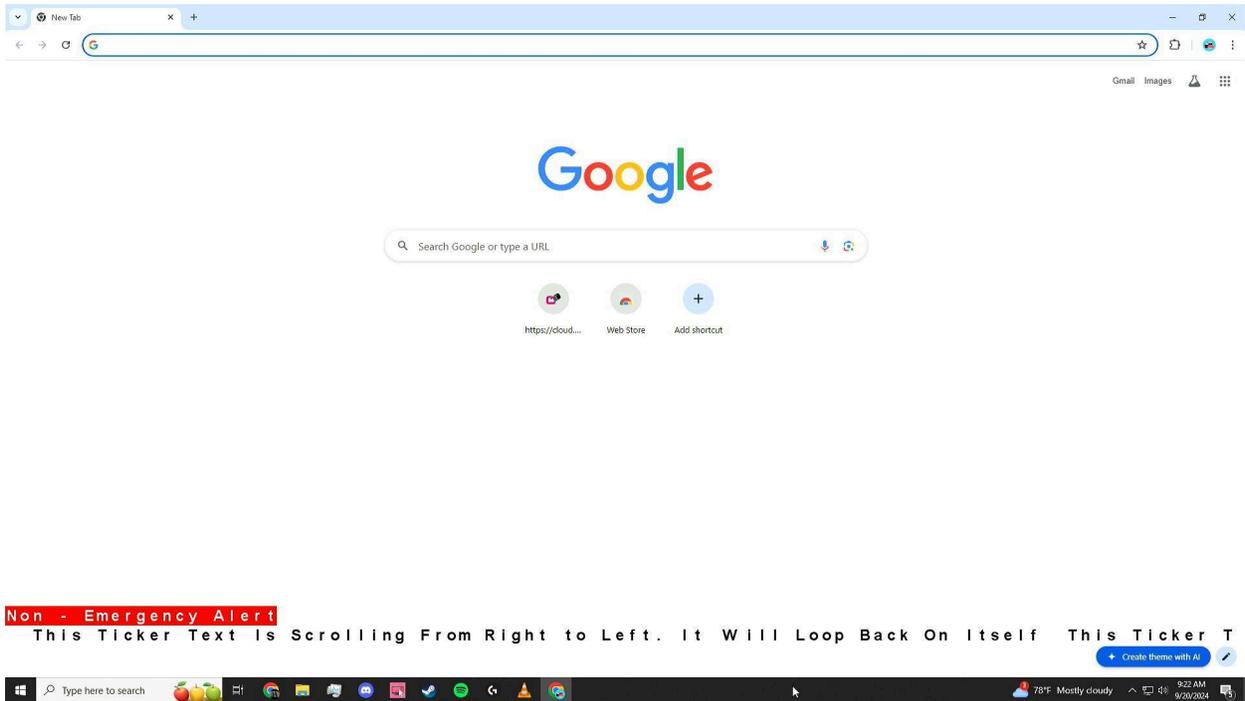
Emergency, left side icon:

This alert is for conveying important information but not something that requires a full screen takeover. This message will display in the corner and flash. It will always have the “Emergency Alert” text and then whatever is written in “Write Alert Message” box will be below that where “Lower Left Emergency Icon” is shown below.





Non-Emergency ticker scrolling by:
With this template, this alert text will scroll by. This message can be a max of 2100 characters long. The ticker will loop the text.



2. (Optional) Set start and end dates/times and time zone.

Create Non-Emergency Alert (2/4)



- Choose Template Adjust Time & Text Select Groups Confirmation

Schedule Time to Send

A Send now until the alert is deleted manually

B Start Date

Select date or date range...

C End Date

Select date or date range...

D Start Time:

--:-- -- ⌚

End Time:

--:-- -- ⌚

Time Zone:

CEST

E Choose the severity Level:

Low Medium

F Write Alert Message:

Comments



Your alert will be sent now.

A: Send the Alert Now (optional) This will send the alert to all devices selected immediately and overwrite any current alerts on those devices.

B: Start Date: If not starting immediately, set a start date for an alert.

C: End Date: If not starting immediately, set a date for the alert to end

D: Times: If not started immediately, set start and end times as well as a time zone.

E: Severity Level: This is for non-emergency only. Choose if it's a Low or Medium Alert to get out.

F: Alert Message: This is where text for the Alert message goes. Text will be displayed based on the Alert suggested.

G: Preview Area: This is the preview area where the Alert text will be displayed.

3. Select Groups:

Create Emergency Alert (3/3)

✓ Choose Template ✓ Adjust Time & Text ● Select Groups

Send Alerts to Group(s)

Search

Select All

▼ Mimo Monitors

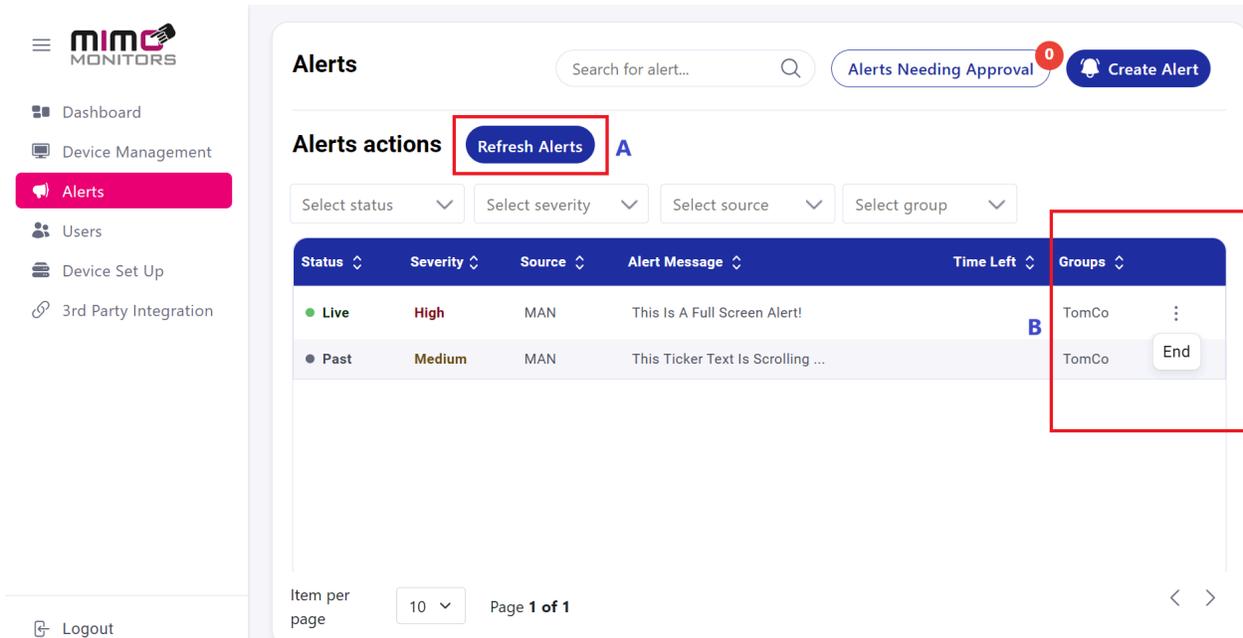
**This is a Full Screen
Emergency Takeover**

Your alert will be sent now.

Cancel Create

- a. Select what group this will go out to
- b. Once you click Create it will go out.

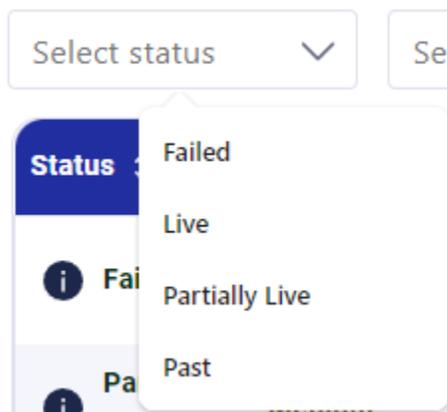
Ending An Alert



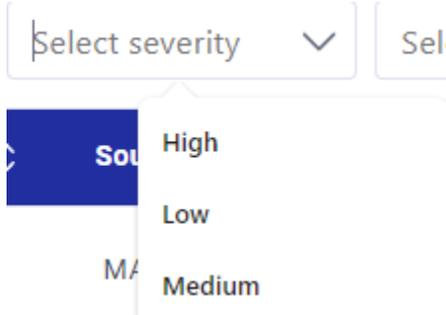
To End an Alert, first click Refresh Alerts (A).
Next Press on the 3 Dots (B) and Click End.

Dropdown Menus:

1. Select status



2. Select Severity:



3. Select Source:

Filter Alerts by the Sources

4. Select Group:

Filter Alert list by the Groups

Approve Alerts

Approve Alerts

Deny All
Approve All

Alerts > Approve Alerts

Digital Alert Systems	Flood Warning issued (FLS)	Start Time: 2024-09-27 22:09:00	<div style="text-align: center;">▼</div> <div style="display: flex; justify-content: flex-end; gap: 5px;"> Deny Approve </div>
Digital Alert Systems	Flood Warning issued (FLS)	Start Time: 2024-09-27 22:09:00	<div style="text-align: center;">▼</div> <div style="display: flex; justify-content: flex-end; gap: 5px;"> Deny Approve </div>
Digital Alert Systems	Flood Warning issued (FLS)	Start Time: 2024-09-27 23:05:00	<div style="text-align: center;">▼</div> <div style="display: flex; justify-content: flex-end; gap: 5px;"> Deny Approve </div>
Digital Alert Systems	Flood Warning issued (FLS)	Start Time: 2024-09-27 23:05:00	<div style="text-align: center;">▼</div> <div style="display: flex; justify-content: flex-end; gap: 5px;"> Deny Approve </div>
Digital Alert Systems	Flood Warning issued (FLS)	Start Time: 2024-09-30 11:39:00	<div style="text-align: center;">▼</div> <div style="display: flex; justify-content: flex-end; gap: 5px;"> Deny Approve </div>



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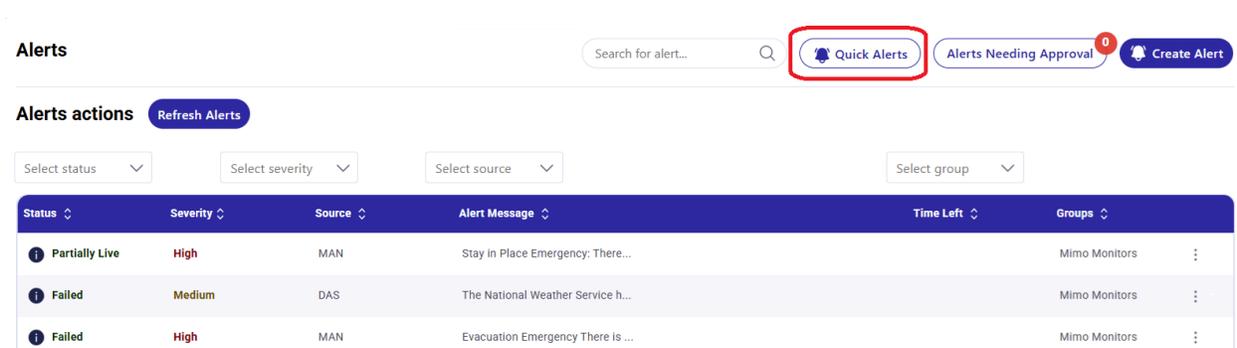
Go to Alerts Needing Approval. An admin can approve these Alerts and push them to devices. These will then show up as Live alerts on the group they are pushed to. These can also be denied if they are not needed anymore.



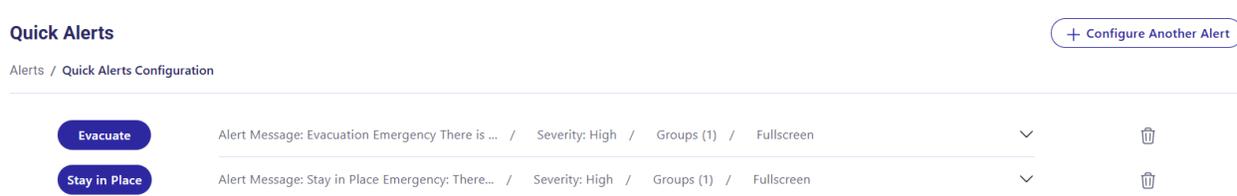
Quick Alerts & Special Trigger Alerts

The "Quick Alerts" feature of the Mimo FlashCast Visual Alert Overlay enables users to disseminate pre-configured alert messages swiftly and efficiently across all or any connected displays. This functionality is particularly valuable in situations requiring immediate communication, such as emergency notifications, weather warnings, or urgent announcements. By allowing users to send alerts with just two simple clicks—selecting the desired alert and confirming the action—Quick Alerts ensures that critical information reaches the intended audience without delay.

To utilize Quick Alerts, administrators first create and store a set of predefined messages within the FlashCast system. Quick Alerts is a button on the Alerts page of the FlashCast web portal



Clicking the Quick Alerts button opens the Quick Alerts page



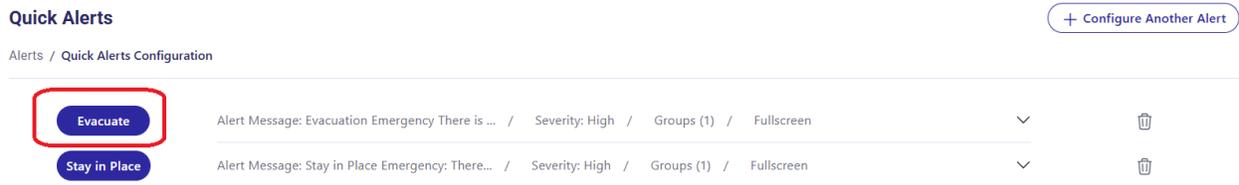
Using a pre-configured Quick Alert

These messages can be tailored to address various scenarios, ensuring relevance and clarity during dissemination. When the need arises, the user accesses the Quick Alerts interface, selects the appropriate message from the list, and confirms the transmission. The system then instantly overlays the alert onto all connected displays, ensuring immediate visibility. This streamlined process minimizes the time required to communicate vital information, enhancing the overall responsiveness of the organization's communication strategy during an emergency.

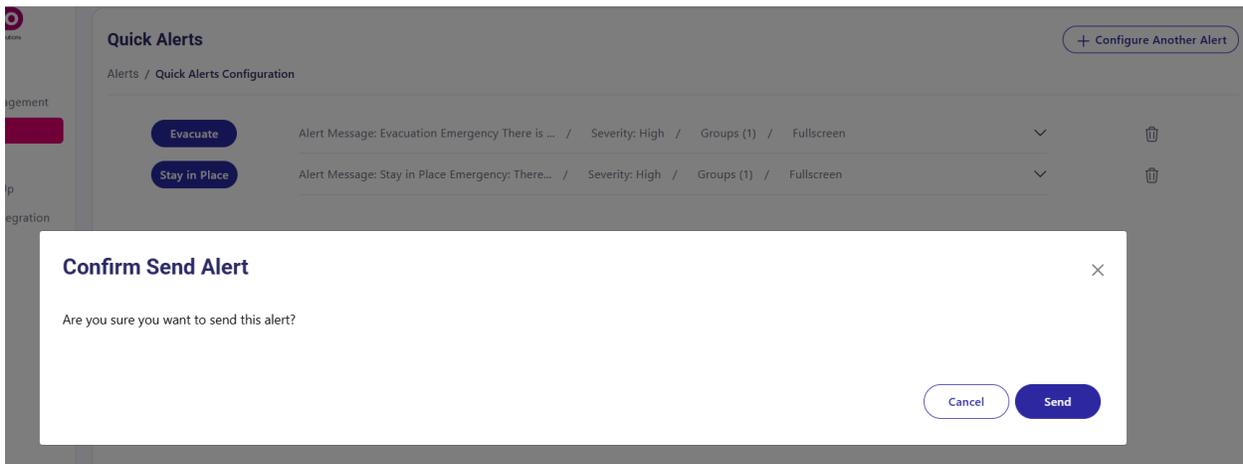


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First, select the appropriate quick alert button that communicates the desired message. In the below example, click 'Evacuate'



You will then be presented with a confirmation message

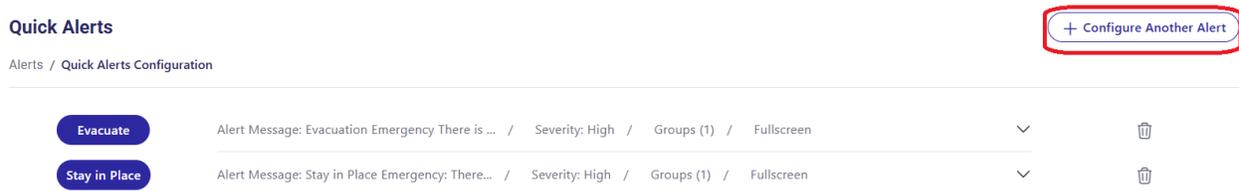


Click 'Send' and the pre-configured message will be sent immediately

By integrating Quick Alerts into your communication protocols, organizations can maintain a high level of preparedness and agility. The ability to rapidly deploy critical messages across multiple displays ensures that audiences are promptly informed, which is essential for safety, compliance, and operational efficiency. This feature exemplifies FlashCast's commitment to providing seamless, real-time communication solutions that adapt to the dynamic needs of modern environments.

Creating a pre-configured Quick Alert

First click 'Configure Another Alert' button





You will then get the following screen

Quick Alerts
Alerts / Quick Alerts Configuration

Alert Title
Enter Alert Title
Character Limit: 0/25 characters

Select Severity
Select Severity

Send Alerts to Group(s)
Select Value
 Select All
 Mimo Monitors

Alert Message

Choose Template

- Ticker
- Lower Left Icon + Text
- Fullscreen

Configure
Cancel

Fill in the information

- Alert Title - This is the name of the blue button on the previous screen, so it should be descriptive enough so that you know which alert this is
- Severity - This is for the alerts history page and for future needs when alerts have priorities
- Send Alerts to Group(s) - This is the group or groups you want this alert to be directed to
- Alert Message - The text what will be part of the alert
- Choose Template
 - Ticker
 - Lower Left Icon and Text
 - Fullscreen

You then click the 'Configure' button. This is now a configured Quick Alert. The configured alert is saved to the Quick Alert page, but is not sent.

In addition to these templates, there are 2 additional Special Alerts that can be triggered via special text in the 'Alert Message'

To trigger these alerts, the 'Alert Message' must begin with the text **Stay in Place Emergency:** (and whatever text you want). The text is highlighted for clarity, and it must be capitalized and terminate with the colon exactly as shown. The Stay in Place Emergency: template is as shown below



Stay in Place Emergency:
There is an Emergency in the
building that requires you to
stay in place
Stay in classrooms and lock
the doors!

To trigger the All Clear message, the 'Alert Message' must begin with the text **All Clear Notice:** (and whatever text you want). The text is highlighted for clarity, and it must be capitalized as shown and terminate with the colon as shown. The All Clear Notice: template is as shown below

(and then whatever text you want).



All Clear Notice:
Please resume your normal
operations



Users

Users are accounts that have access to your FlashCast cloud. It's a good way to manage who is in control of what device. Users can be in charge of certain groups and therefore they manage a small subset of the company's FlashCast devices. You can assign users three different roles. Those roles are below:

Roles:

1. Administrator: An Administrator can create new Alerts, register devices, add new users, manage 3rd party integration, manage groups (only groups they are directly involved in), and approve alerts
2. Operator: An operator can view Alerts, see what Alerts need approval, register devices, and place those devices into groups
3. Viewer: A view can view Alerts, groups, and current devices.

Add User

Assign Roles

Email **A**
example@email.com

Name **B**
Enter user name

Phone Number **C**
1234567890

Choose Role Type **D**
Select Role

Search
Mimo Monitors
E

Cancel Add **F**

- A. Email:
Email for the new user
- B. Name



Name of the new user

C. Phone Number

Phone Number for the new user

D. Choose Role Type

Role of the new user. Currently available:

1. Administrator which can create alerts, new users, add devices, create groups, and approve alerts
2. Operator which can
3. Viewer which can view Alerts and status of devices

E. Groups

Assign groups which the user has control over

F. Add/Cancel

Add or cancel the user

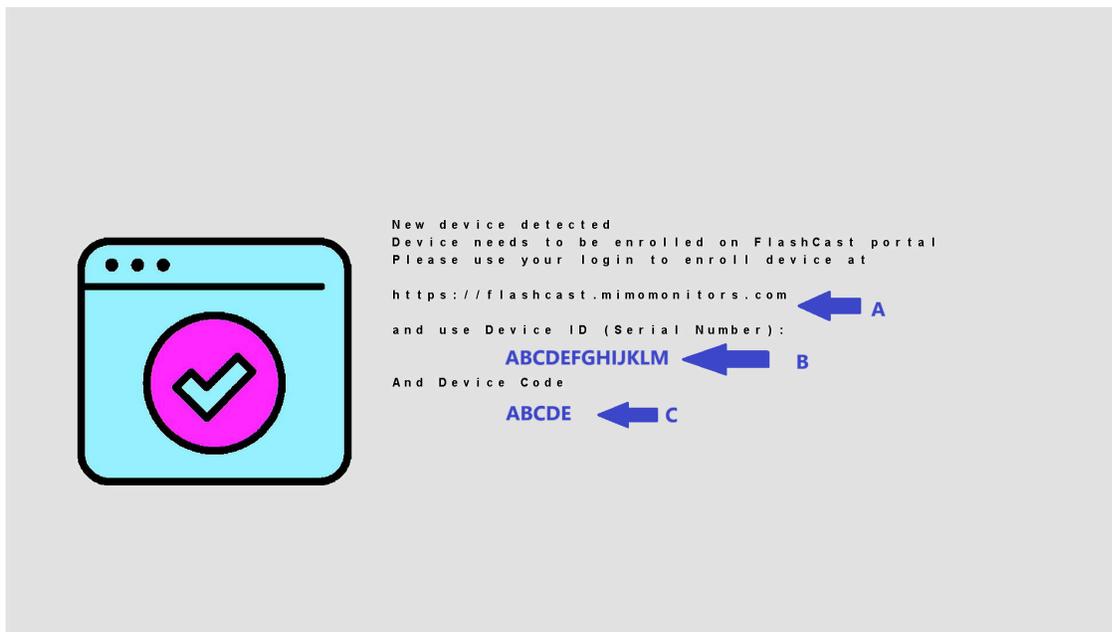
Device Set Up

The FlashCast will display the following screen when first powered up and connected to the internet:

This screen is used to register the device. You will get the following codes:

Device ID (Same as Serial Number):

Device Code:



Upon successful enrollment you will see the following screen on the FlashCast Monitor:



To register a device, input the following:

- Device ID

- Device Code

- Choose Group: Devices can be put in multiple groups. At least one should be chosen.

After device is registered, you can change the device name.



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3rd Party Integrations:

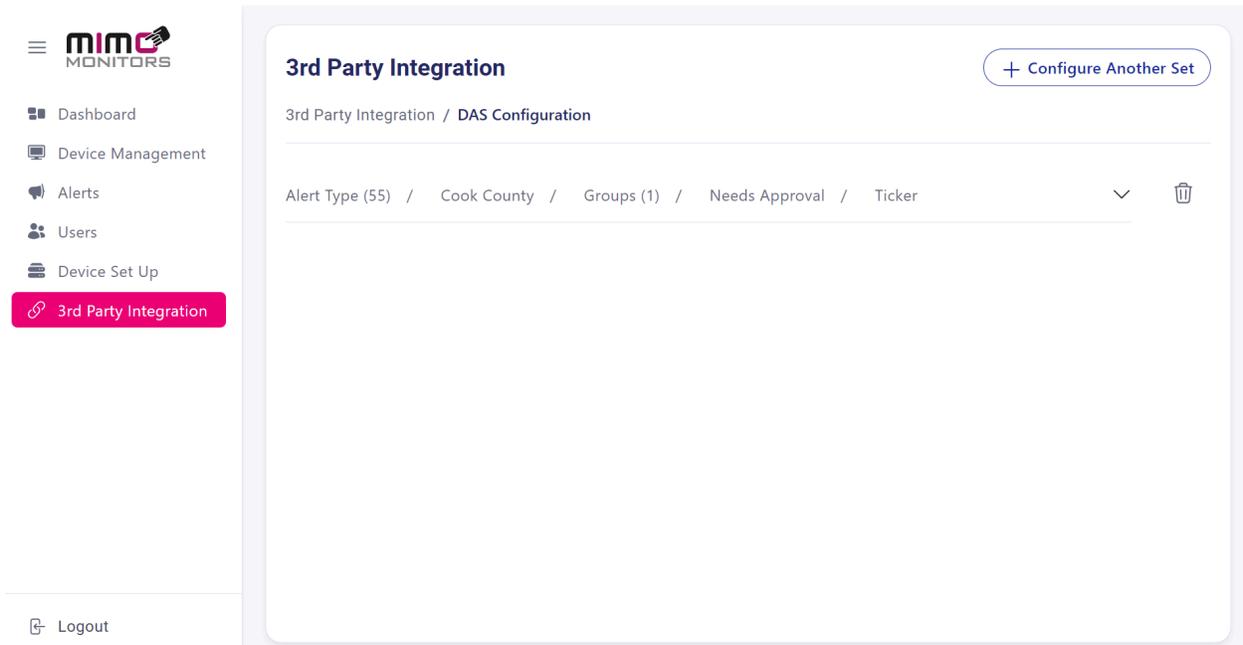
Integrating with other Alerting systems allows FlashCast to be used with other systems. Currently FlashCast will alert with:

[Digital Alert Systems](#)

[SingleWire Software](#)



Digital Alert Systems Integration:



Here on the main screen you will see currently configured Alerts and be able to modify them. You can also [add new Alert configurations](#).

Configuring a new Alert Set

3rd Party Integration

3rd Party Integration / DAS Configuration

Alert Types **A**

County **B**

Send Alerts to Group(s) **C**

Select All

TomCo

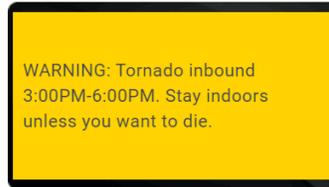
Send Automatically? **D**

Yes No, needs approval.

Choose Template **E**



Ticker



Fullscreen

F

Configure

Cancel

- A. Select which type of Alert you would like to either go out automatically or go out pending approval.
- B. Select the applicable county (US Only) and only one may be selected
- C. Select which Groups this will go out to
- D. Will this be sent automatically or need approval (See [Approve Alerts](#))



- E. Choose the template the alert will use. Currently you can have a ticker or full screen. The same types as the [Creating an Alert](#) section.



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Singlewire InformaCast Integration (Phase 1 Implementation)

Feature Overview

This feature is part of a third-party integration aimed at enhancing communication capabilities for users with a Singlewire InformaCast subscription. The integration will enable end users to send alerts from Singlewire InformaCast to various groups in FlashCast using customizable alert templates available in FlashCast.

There is no way to reject an alert if it comes in from Singlewire. The system will react automatically as programmed per this integration. There is no concept, at this time, of an alert for review with Singlewire events.

Objective

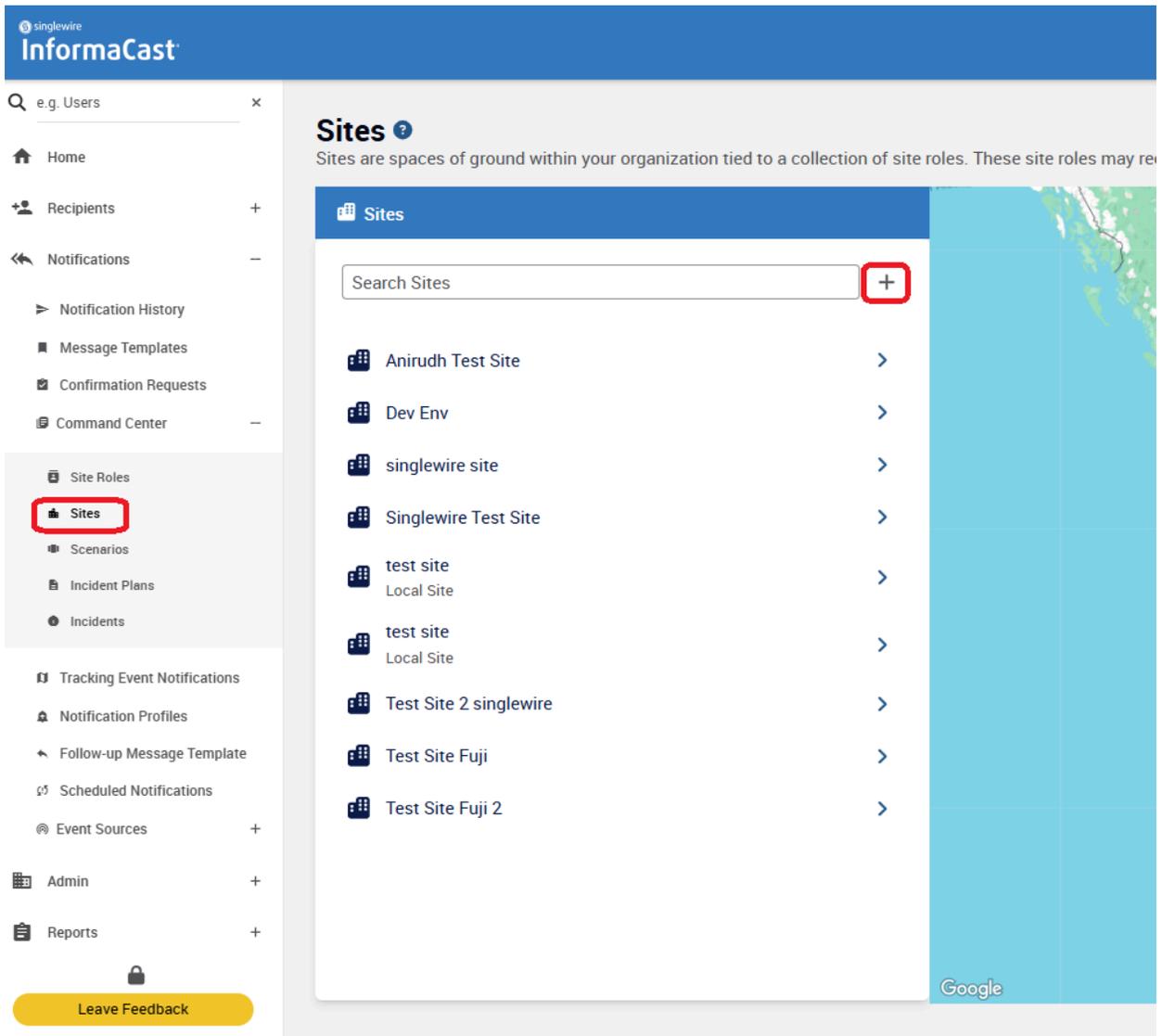
To facilitate seamless communication between Singlewire InformaCast and FlashCast, allowing users to efficiently send alerts to designated groups.

Functional Requirements

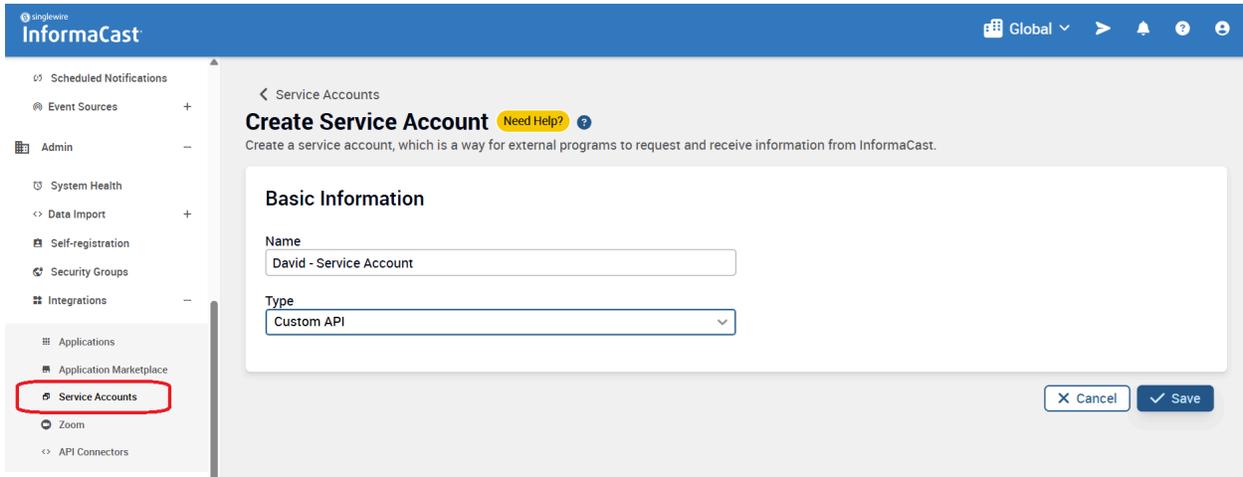
Please find the user flow for phase 1 below:

Step 1 : Generation of API Token

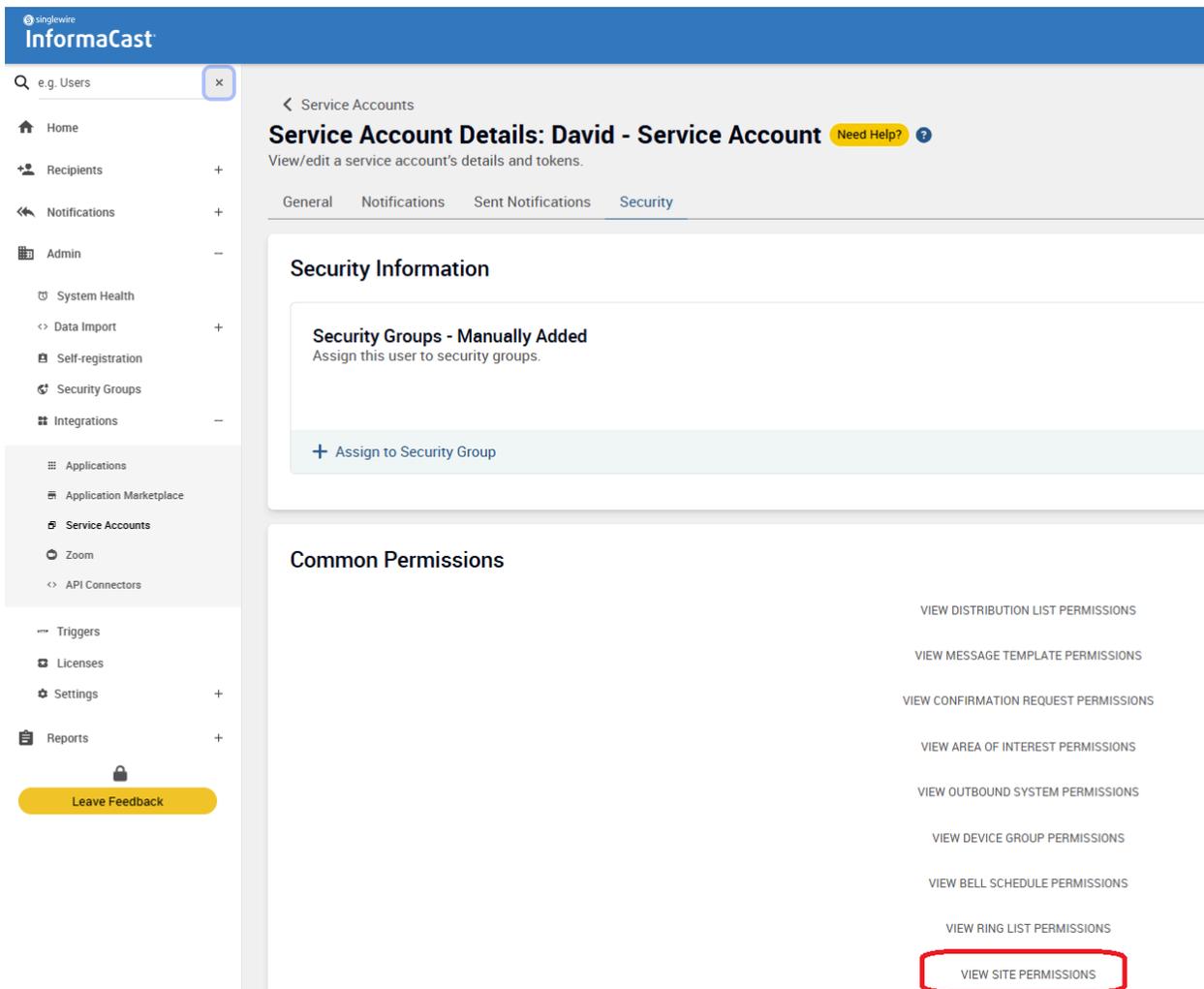
- First, login to Singlewire InformaCast
- Only if required, create a Site under command center by clicking the '+'. A Singlewire Site maps to a FlashCast Group.



- Next, create a new Service Account. Give it a name, select Custom API, and click 'Save'



- Under Security, open 'Common Permissions' and select 'View Site Permissions'





Displays | Tablets | Solutions

- Select all the sites you want to be able to control with FlashCast

The screenshot shows the 'Site Permissions' interface. At the top, there is a search bar and a 'Done' button. Below is a table with columns for Name, View, Update, Delete, and All. The table lists several sites, each with checkmarks in the View, Update, Delete, and All columns. At the bottom right, there is a pagination control showing 'Rows per page: 10' and '1-8 of 8'.

Name	View	Update	Delete	All
Anirudh Test Site	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dev Env	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
singlewire site	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
test site	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
test site	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Test Site 2 singlewire	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Test Site Fuji	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Test Site Fuji 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

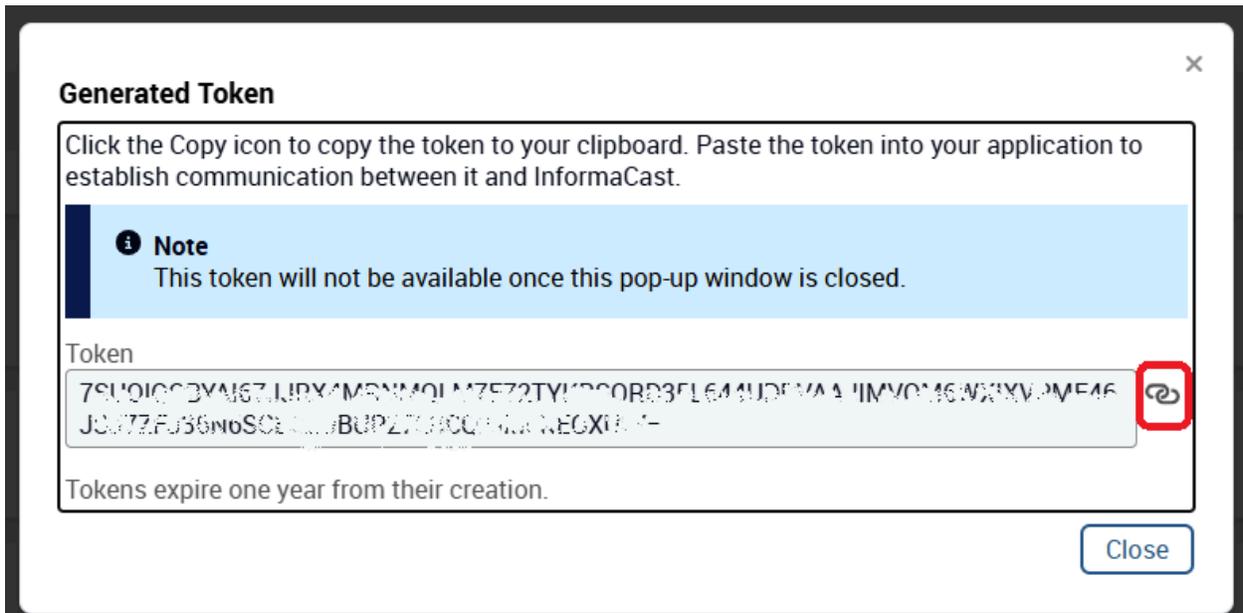
- Open the 'Tokens' tab (also Under Security), and click, create Token

The screenshot shows the 'Service Account Details: David - Service Account' page in the InformaCast interface. The 'Security' tab is selected and highlighted with a red box. Below the tab, there are sections for 'Security Information', 'Common Permissions', and 'Global Permissions'. The 'Tokens' section is highlighted with a red box and contains a search bar and a '+ Create Token' button, also highlighted with a red box. A blue banner at the bottom of the Tokens section reads 'Note No Tokens'. The left sidebar shows the navigation menu with 'Service Accounts' selected.

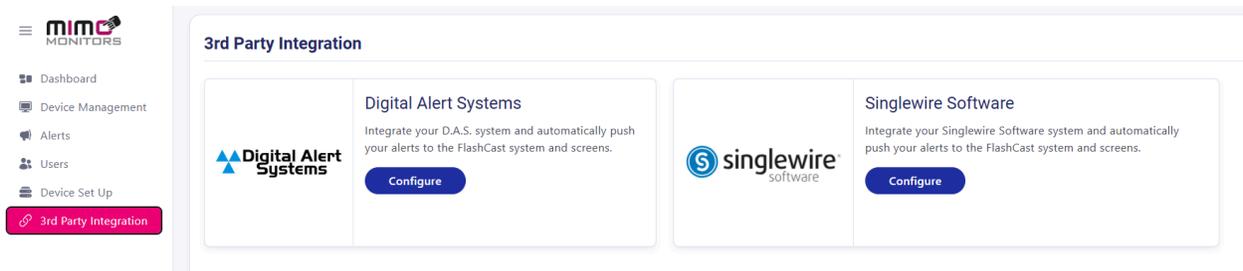
- Give the connector a name, and click Save



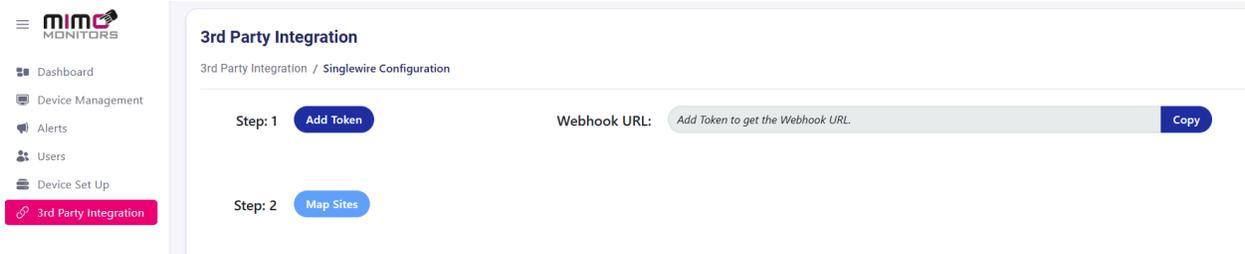
- Copy the token created



- Login to the FlashCast User Interface and select 3rd Party Integrations -> Singlewire Software

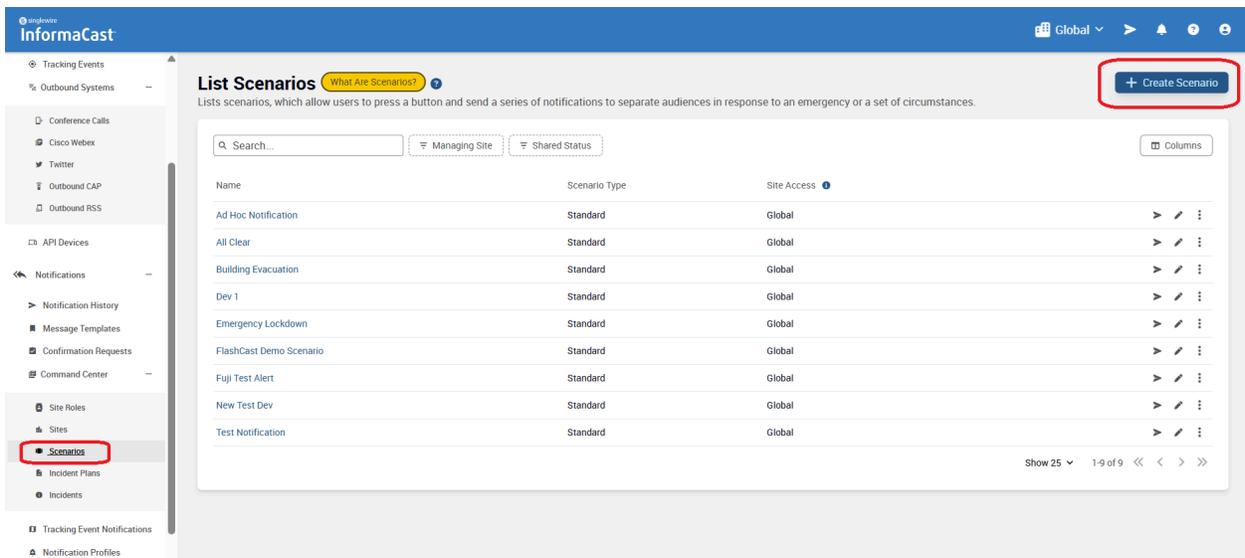


- Click 'Add Token' and paste in the token copied from the Singlewire Portal

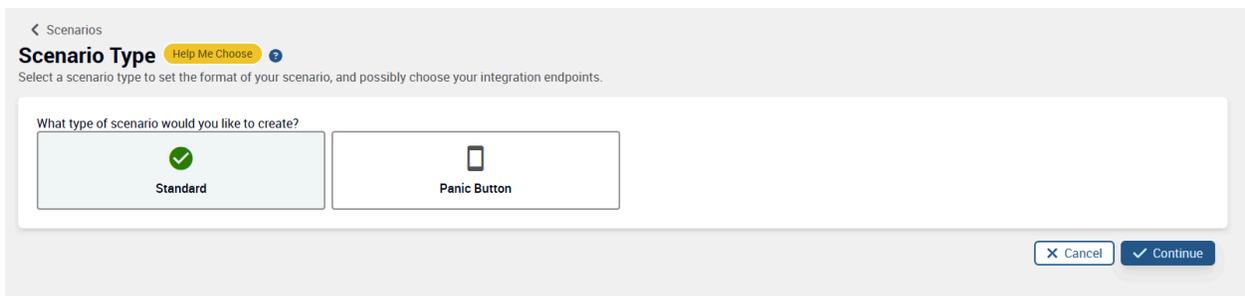


Be sure you receive the message that the token was validated successfully, and that the Webhook URL was populated

- Go back to the Singlewire InformaCast portal and select 'Scenarios' under 'Command Center' under 'Notifications'. Then select 'Create Scenario'



- Select Standard and Continue





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- Give it an appropriate name, color, icon, etc to your requirements. Select Sites, Scenario Questions, and API Connector

The screenshot shows the 'Scenario Setup' page for a scenario named 'Test Notification'. The page includes fields for Name, Icon, and Color. A 'Scenario Button Preview' shows a blue button with the text 'Test Notification'. Below these fields is a section titled 'Which scenario elements would you like to include in this scenario (optional)?' with five toggleable options: Sites, Keyboard Shortcuts, Scenario Questions, Incident Plan, and API Connector. The 'Sites', 'Scenario Questions', and 'API Connector' options are selected and highlighted with red boxes.

- Under Sites, use the text “Which location do you want to send Alert to?”, or whatever is appropriate in your setup
- Under questions, you must use these exact questions and ONLY these questions exactly as shown below
 - Question 1
 - Type: Free Text
 - Variable Name: alertMessage
 - Title: What is the Alert Message?
 - Default Resounce: This is a singlewire alert from Testing team

Question 1

The screenshot shows the configuration for 'Question 1'. It includes a 'Type' dropdown menu set to 'Free Text', a 'Variable Name' field containing 'alertMessage', a 'Title' field containing 'What is the Alert Message?', and a 'Default Response (Optional)' field containing 'This is a singlewire alert from Testing team'.

- Question 2
 - Type: Single Select
 - Variable Name: severity



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- Title: Choose Severity
- Option 1: high
- Option 2: medium
- Option 3: low

Question 2

Type Variable Name

Title

Single Select Options

Option 1  

Option 2  

Option 3  

- Question 3
 - Type: Single Select
 - Variable Name: templateId
 - Title: Choose the Template
 - Option 1: 1
 - Option 2: 2
 - Option 3: 3
 - Option 4: 4



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Type: Single Select Variable Name: templateid

Title: Choose Template ID

Single Select Options

- Option 1: 1
- Option 2: 2
- Option 3: 3
- Option 4: 4

+ Add Option

Cancel + Add To Questions

- So that the final questions look like this

Sites
Set site-specific preferences for your scenario that will dynamically change based on your initiator's selections.

Question Settings
Allow your initiator to tell you where an event is occurring by entering a question for them to answer during scenario initiation.

Question: Which location do you want to send Alert to?
The answer to this question can be included in your notifications with variables.

Questions
Allow your scenario initiator to provide additional information about an emergency by having them answer questions.

Question	Default Response	Type	Options	Variable	
What is the Alert Message?	This is a singlewire alert from Testing team	Free Text		alertMessage	↓ ↗ 🗑️
Choose Severity		Single Select	3	severity	↓ ↑ ↗ 🗑️
Choose Template ID		Single Select	4	templateid	↑ ↗ 🗑️

+ Add Question

- Then edit Notification 1 with a name and 'ad hoc notification'

Edit an API Connector

Configure a custom webhook to send an HTTP request when this scenario is initiated.

Name
David's Test Button

Description (Optional)

Type
Webhook

Method
POST

Webhook URL
https://func-fuji-prod-cus-alrt.azureweb
[Insert Variables](#)

Expire After
1.5 minutes

Authorization Parameters Headers **Body**

Define the data that should appear in the HTTP request body in a format supported by the receiving application.

Request Body Encrypt

```
{  
  "alertMessage": {{event.scenarioNotification.fields.0.answer | json}},  
}
```

Cancel Save

- Then select the 'Body' tab at the bottom and paste EXACTLY this into that field

```
{  
  
  "alertMessage": {{event.scenarioNotification.fields.0.answer | json}},  
  
  "severity": {{event.scenarioNotification.fields.1.answer | json}},  
  
  "templateId":{{event.scenarioNotification.fields.2.answer | json}},  
  
  "siteId":{{event.scenarioNotification.location.site.id | json}}  
  
}
```

Edit an API Connector

Configure a custom webhook to send an HTTP request when this scenario is initiated.

Name

Description (Optional)

Type
Webhook

Method POST Webhook URL
[Insert Variables](#)

Expire After 1.5 minutes

Authorization Parameters Headers **Body**

Define the data that should appear in the HTTP request body in a format supported by the receiving application.

Request Body Encrypt

```
{  
  "alertMessage": {{event.scenarioNotification.fields.0.answer | json}},  
}
```

Step 2 : Map Singlewire InformaCast sites with each FlashCast Groups

- Users can map each site available on Singlewire InformaCast to one group in FlashCast. Click 'Map Sites'

3rd Party Integration

3rd Party Integration / Singlewire Configuration

Step: 1

Update Token

Step: 2

Map Sites

- The correlate the Singlewire site to the FlashCast group, and select save.

Map Sites to Groups

×

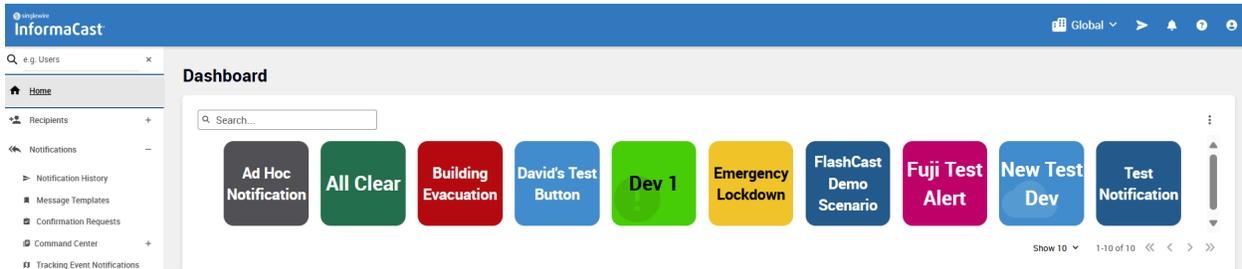
Singlewire Site	FlashCast Group
Anirudh Test Site	Mimo Monitors ▾
singlewire site	Select Group ▾
test site	Select Group ▾
test site	Select Group ▾
Test Site 2 singlewire	Select Group ▾
Test Site Fuji	Select Group ▾

Cancel

Save

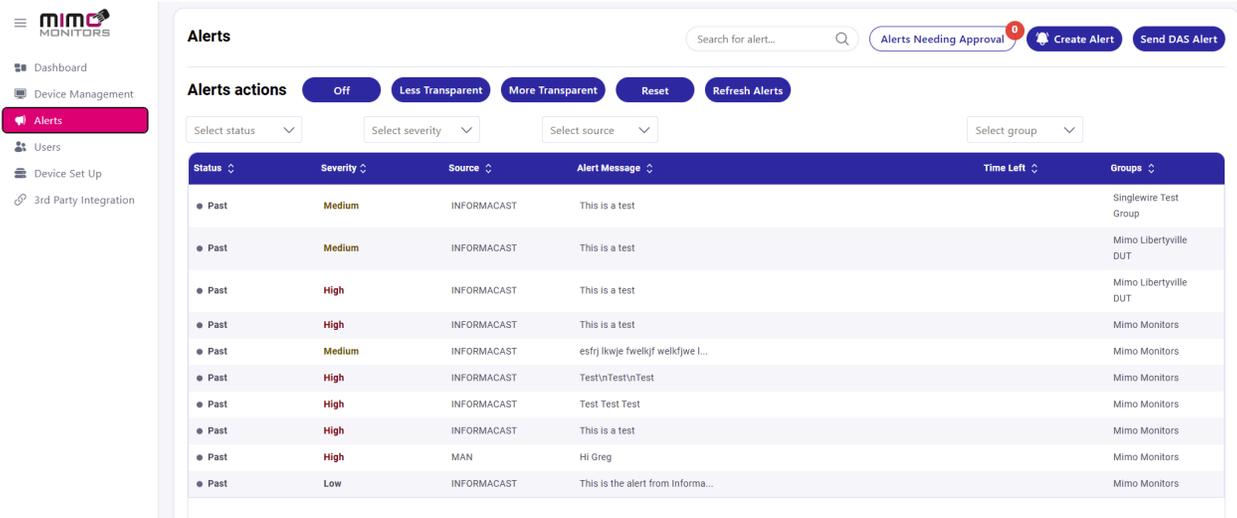
Step 3 : Create and send notification from Singlewire InformaCast using scenarios

- Users can now send notifications using scenario in Singlewire InformaCast, and those will be sent to FlashCast devices configured on the FlashCast portal.



Step 4 : View and end alerts

- Users will be able to view all Singlewire InformaCast alerts on the FlashCast Alerts Page and the Singlewire Notifications Page.



- Repeat steps as required to add FlashCast control into other scenarios, such as 'All Clear'
 - It is possible to avoid the questions, and send a fixed template and text by editing the 'body' in the API Connector
 - For example: The 'body' in the 'All Clear' scenario should probably be this, as this body will tell the FlashCast system to turn off any alerts, without having to get any information from the Singlewire user, except the 'Site'.

```
{
  "alertMessage": "off",
  "severity": "low" ,
  "templateId": "5",
  "siteId": {{event.scenarioNotification.location.site.id | json}}
```



```
}
```

- Another Example of the 'body' in a custom Scenario puts the text "There is a fire in the building Evacuate immediately But orderly" on the screen with the 'full screen takeover'. Again, this requires no user input other than the standard Singlewire process and the Site to send the alert.

```
{
```

```
  "alertMessage": "There is a fire in the building
```

```
  Evacuate Immediately
```

```
  Buy orderly",
```

```
  "severity": "high" ,
```

```
  "templateId": "1",
```

```
  "siteId": {{event.scenarioNotification.location.site.id | json}}
```

```
}
```

Important Notes -

- Each user can configure their own Singlewire InformaCast settings in FlashCast, and these configurations are not shareable within the organization. This ensures that user-specific data remains private and accessible only to the respective user.
- When a user updates the token in FlashCast, the system will add or remove sites(in FlashCast) configured in Singlewire InformaCast. If any site was previously mapped in FlashCast and is still present in Singlewire InformaCast for that user, the data will not be lost during this token update.

Non Functional Requirements

- The user should have a Singlewire InformaCast Account.
- The user should be added in the FlashCast application and should have an admin role.

Limitations

- The user can map one FlashCast Group to only one Site.
- Multi-line text is not supported unless the text is manually edited as part of a fixed 'body'
- The token will expire in one year, the user needs to update it after every year.
- From the Singlewire InformaCast portal, whenever a user sends an alert, they can select only one site at a time. (This is a limitation from Singlewire InformaCast portal)
- The 'template' is a number, not a descriptive name. See [Template Samples and corresponding numbers](#) section for the description



Displays | Tablets | Solutions

Everbridge Integration User Guide

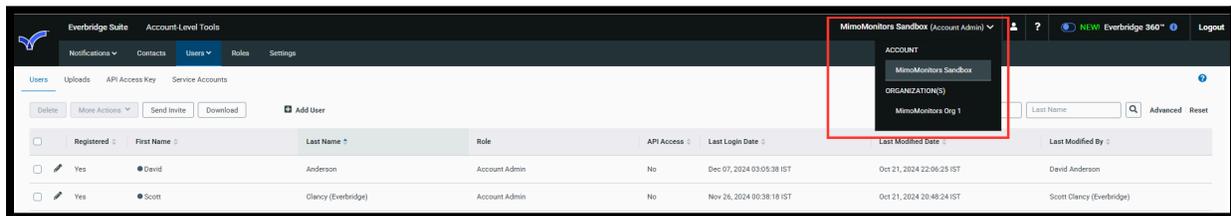
Pre-requisites:

1. The user should have an Everbridge account.
2. The user should be added to the FlashCast application and have the admin role.

Everbridge set-up (one time)

Steps to generate the Access key and Secret Key from Everbridge application:

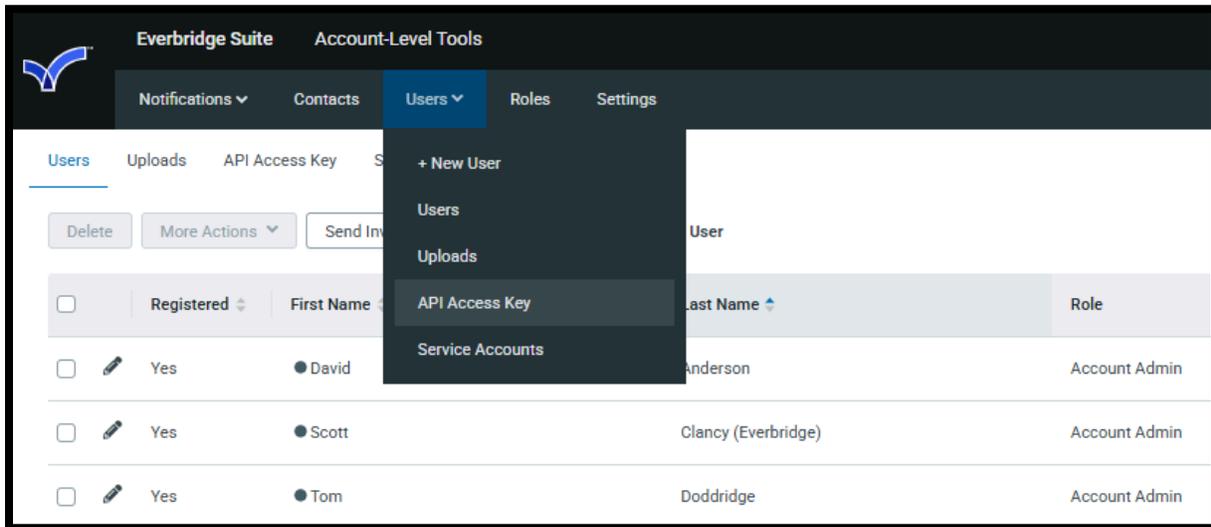
1. Login to Everbridge account. Make sure you select the 'Account'



2. Make sure the logged in user has API access. Select this switch in the user if it is not selected. Contact your administrator

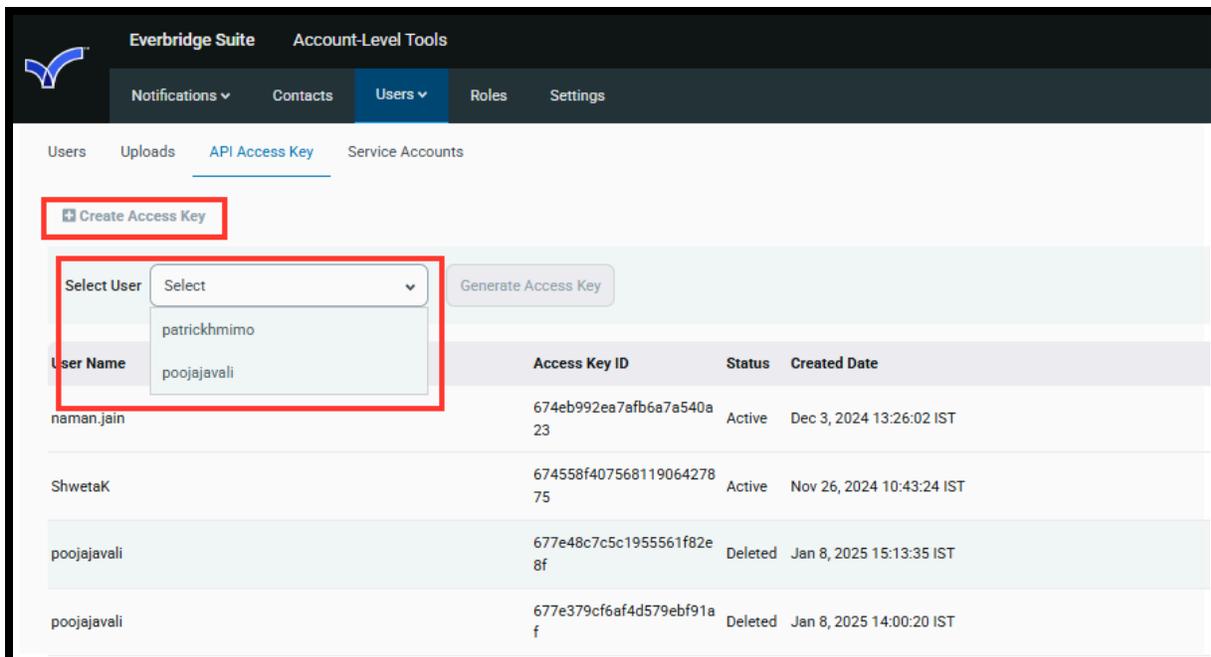


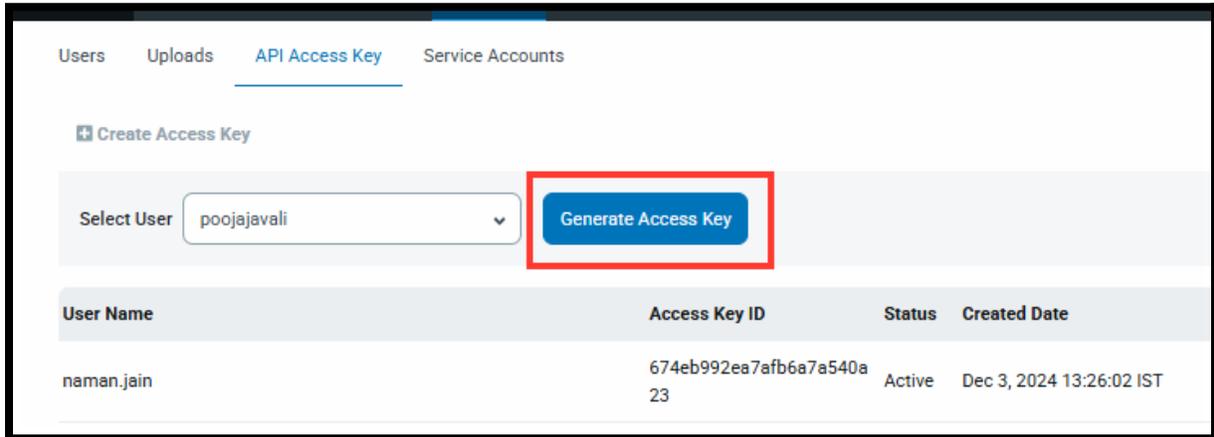
3. Now select **API Access Key** under **Users** to generate the keys.



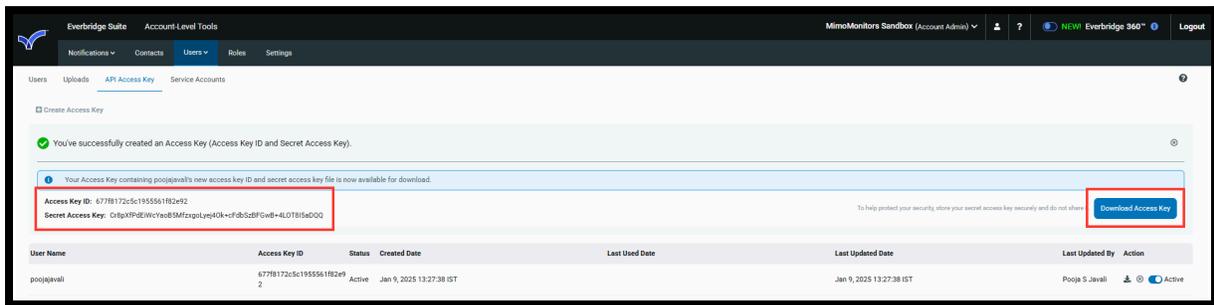
4. Select **Create Access Key** to create a new key. Select the user for whom the keys have to be created from the dropdown. Click on **Generate Access Key**.

Note- Only one access key with active status can be generated for a single user.

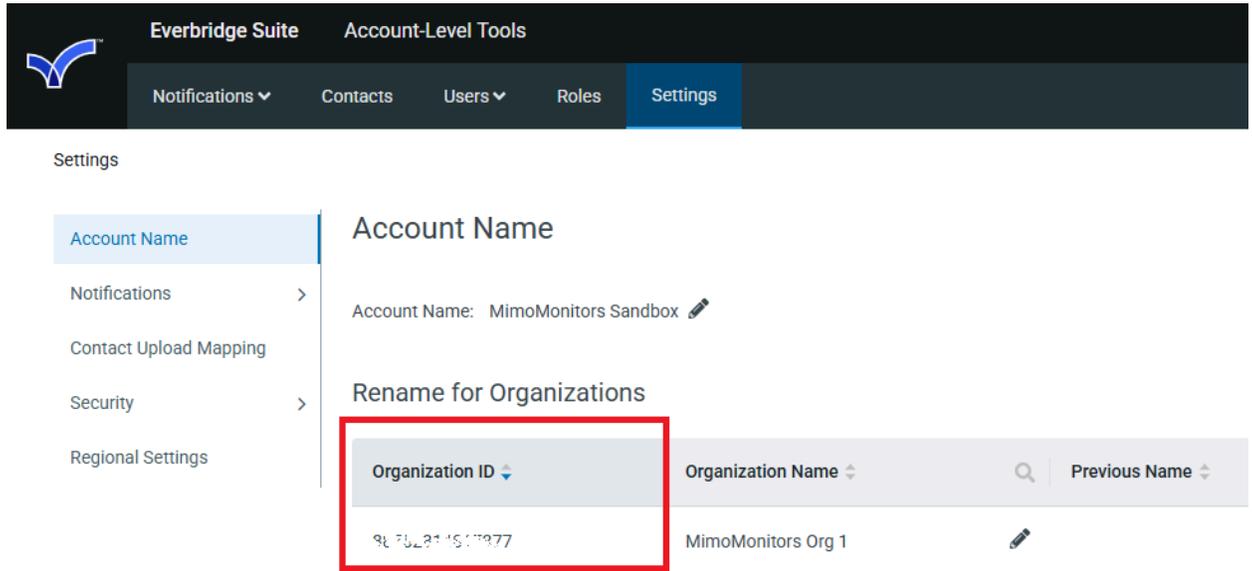




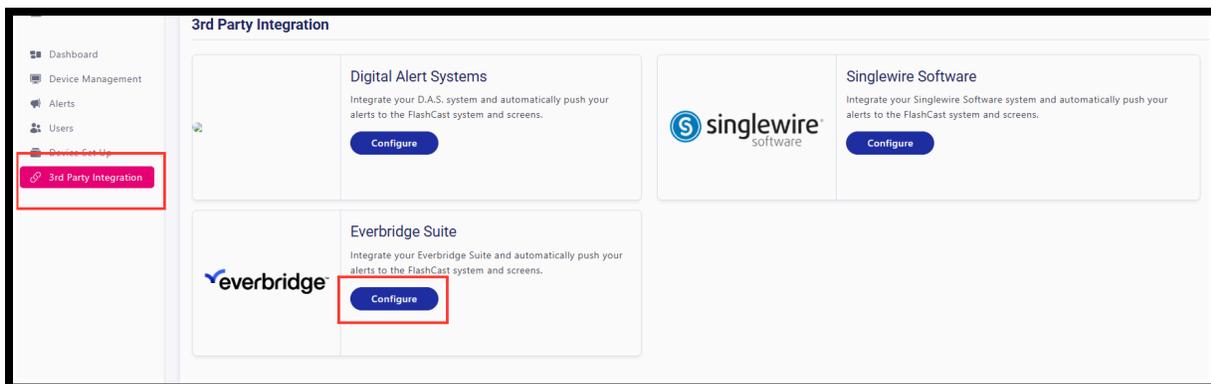
5. Once the key is generated, either the user can copy it from the display or can download the keys.



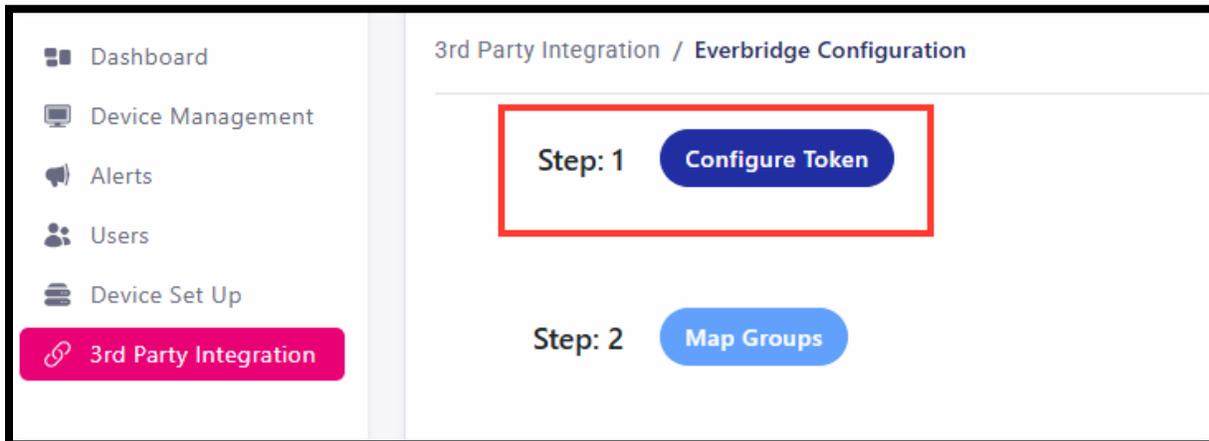
- The user has to note the **Organization Id** as well, to fetch that navigate to Settings section and note the Organization Id.



- Once both the Keys are noted, now login to Flashcast application and navigate to **3rd Party Integration** from the side navigation menu. Now select Everbridge **Configure**.



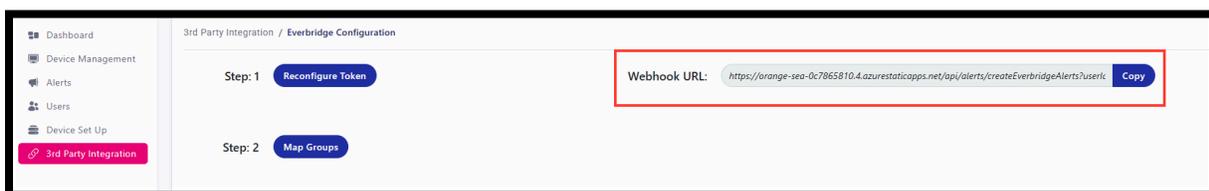
- Now to configure the keys select the **Configure Token** button.



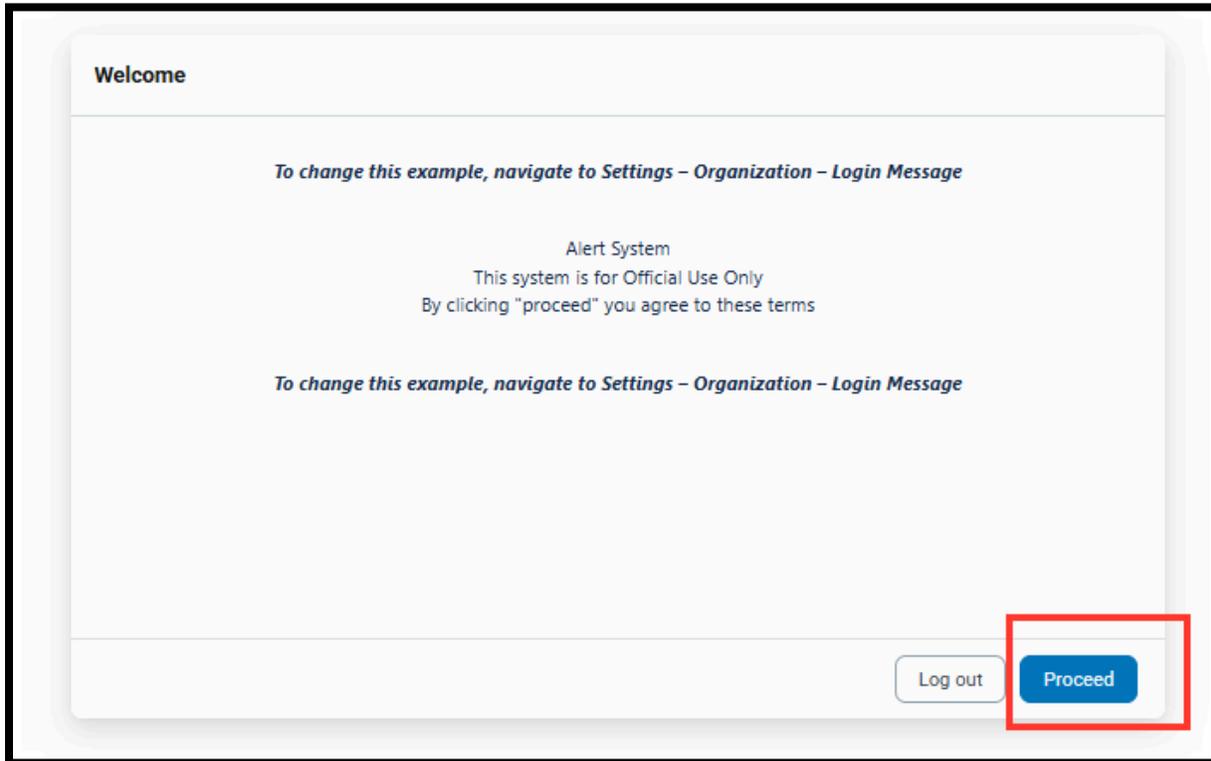
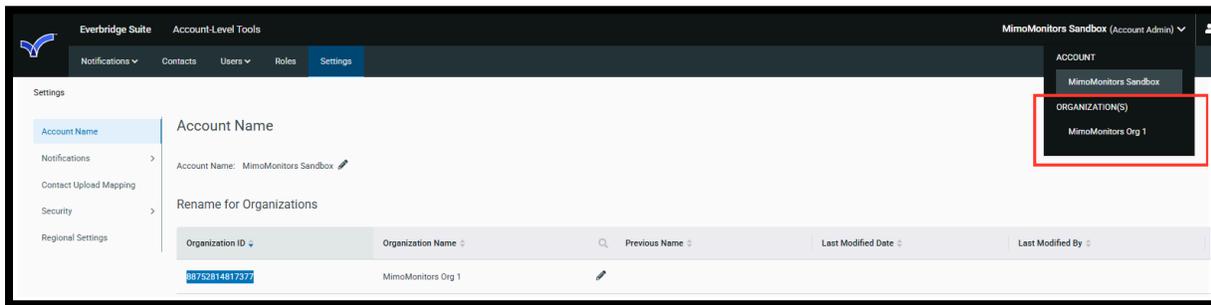
9. Now paste the Access key, Secret Key and Organization Id in the respective fields and save the data.



10. Once the keys are saved, a **Webhook** URL is generated, copy the webhook.



11. Now go back to Everbridge application and change to **Organization view**. Welcome pop up will be displayed click on **Proceed**.



12. Now select **Organization** under the **Settings** option.



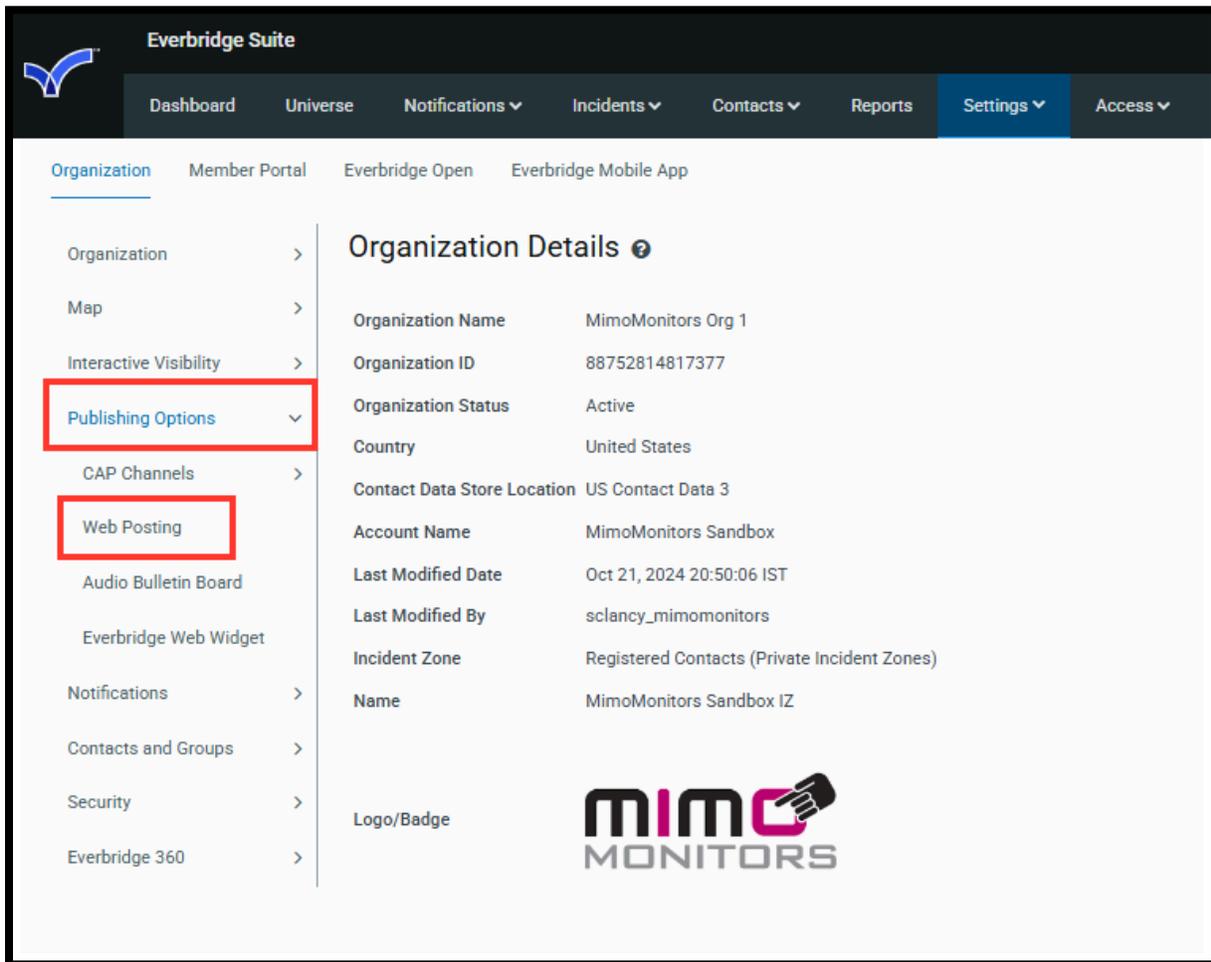
Displays | Tablets | Solutions

The screenshot shows the Everbridge Suite interface. At the top, there is a navigation bar with the following items: Dashboard, Universe, Notifications, Incidents, Contacts, Reports, Settings (selected), and Access. Below the navigation bar, there are four tabs: Organization (selected), Member Portal, Everbridge Open, and Everbridge Mobile App. On the left side, there is a sidebar menu with the following items: Organization (selected), Base Information (selected), Login Message, Regional Settings, Map, Interactive Visibility, Publishing Options, Notifications, Contacts and Groups, Security, and Everbridge 360. The main content area is titled "Organization Details" and contains the following information:

Organization Name	MimoMonitors Org 1
Organization ID	88752814817377
Organization Status	Active
Country	United States
Contact Data Store Location	US Contact Data 3
Account Name	MimoMonitors Sandbox
Last Modified Date	Oct 21, 2024 20:50:06 IST
Last Modified By	sclancy_mimomonitors
Incident Zone	Registered Contacts (Private Incident Zones)
Name	MimoMonitors Sandbox IZ

At the bottom of the page, there is a logo for MIMO MONITORS.

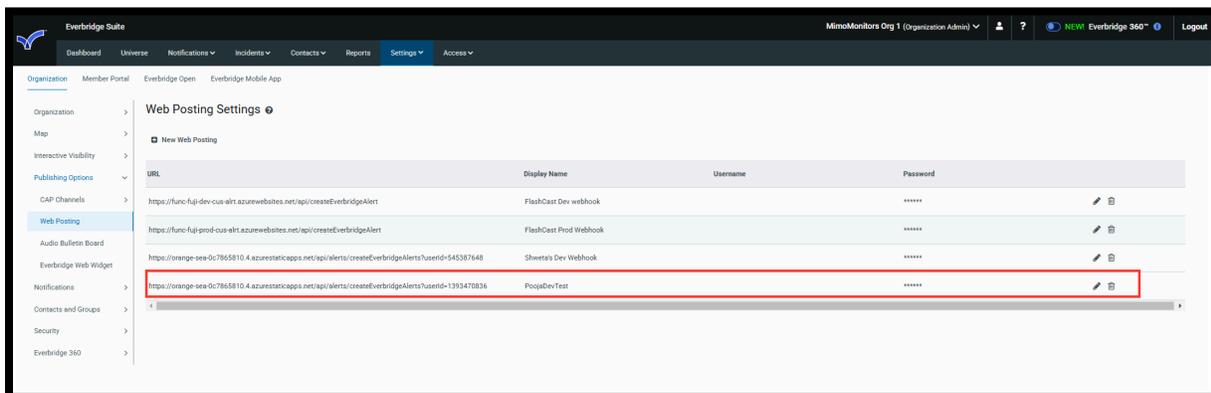
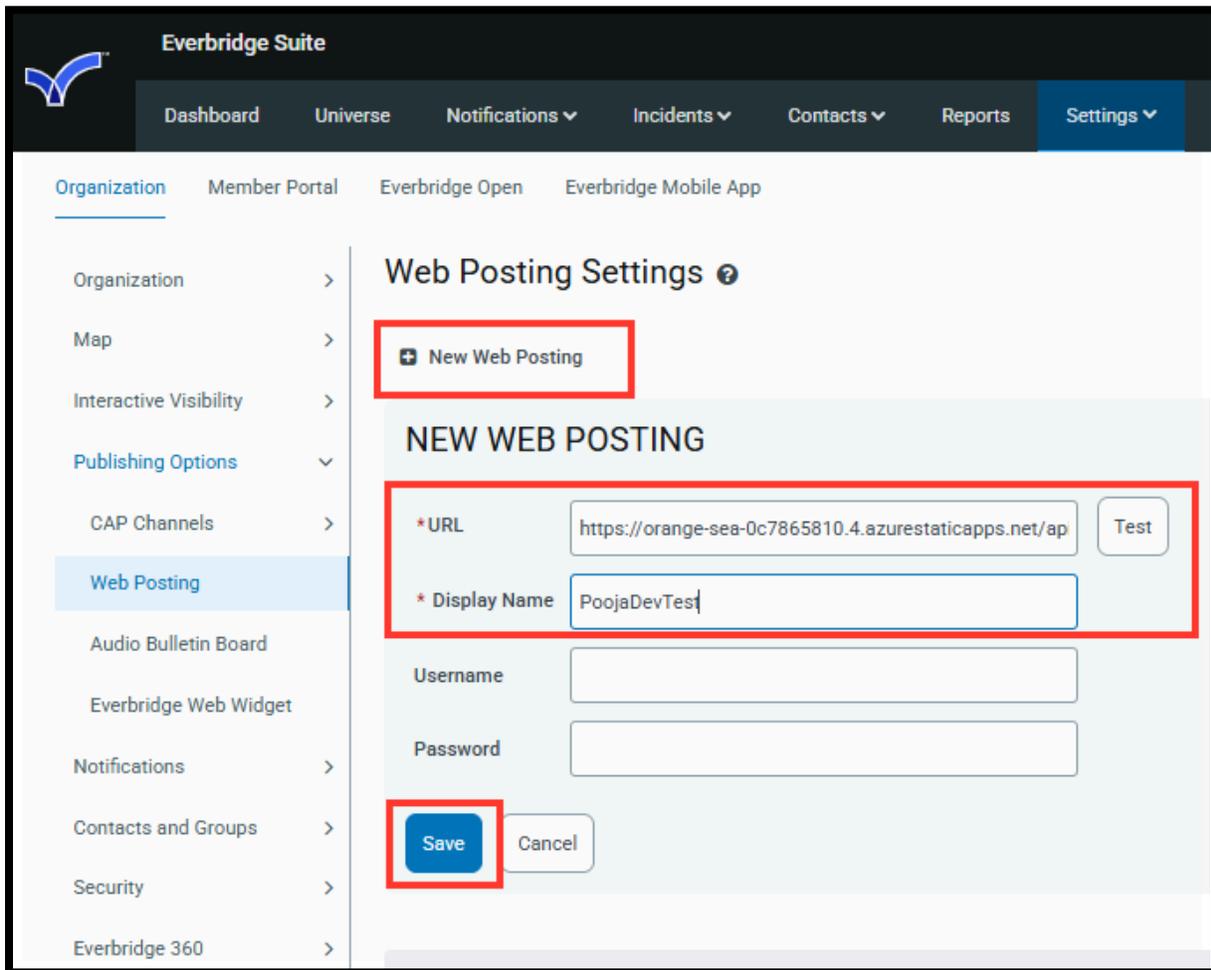
13. Now from the side navigation options select **Web Posting** under **Publishing Options**.



The screenshot shows the Everbridge Suite interface. The top navigation bar includes Dashboard, Universe, Notifications, Incidents, Contacts, Reports, Settings, and Access. The left sidebar lists various settings categories, with 'Publishing Options' and 'Web Posting' highlighted with red boxes. The main content area displays 'Organization Details' for 'MimoMonitors Org 1'.

Field	Value
Organization Name	MimoMonitors Org 1
Organization ID	88752814817377
Organization Status	Active
Country	United States
Contact Data Store Location	US Contact Data 3
Account Name	MimoMonitors Sandbox
Last Modified Date	Oct 21, 2024 20:50:06 IST
Last Modified By	sclancy_mimomonitors
Incident Zone	Registered Contacts (Private Incident Zones)
Name	MimoMonitors Sandbox IZ
Logo/Badge	

14. Now select **New Web Posting** option and paste the **Webhook url** copied from Flashcast application and add a **Display name** and save the details.



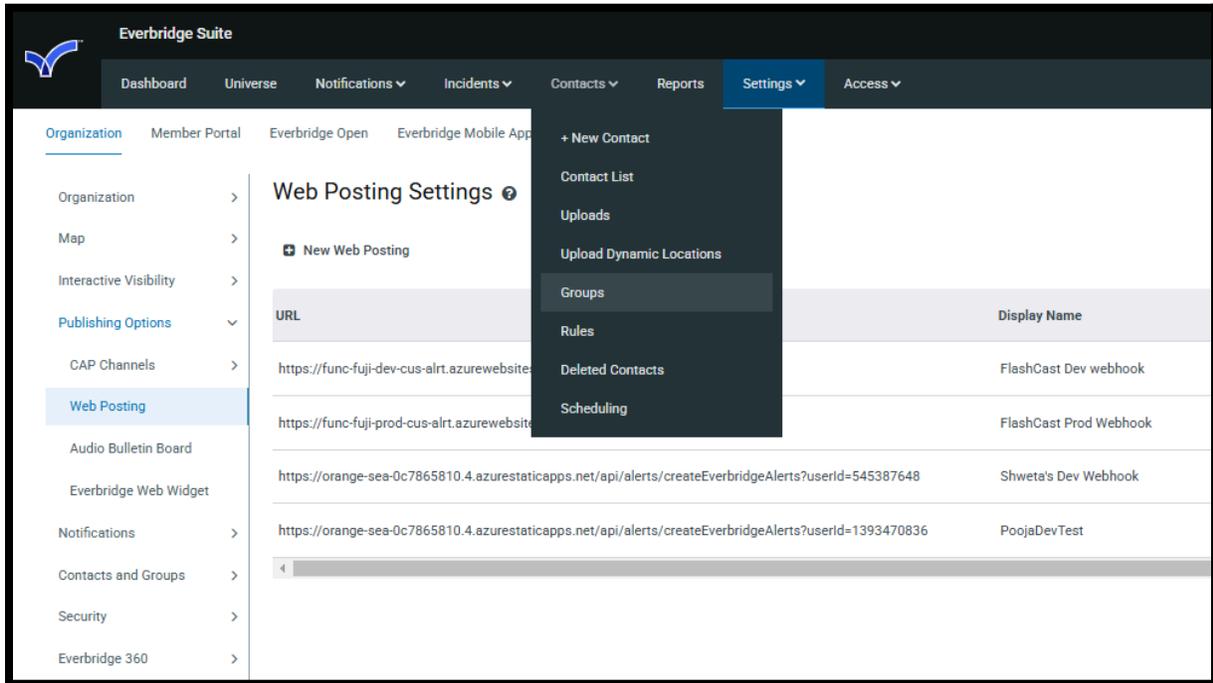
Note: Once the Web Posting is created for a user no need to create it again until it is deleted. Users can directly create the alerts using the same Web Posting.



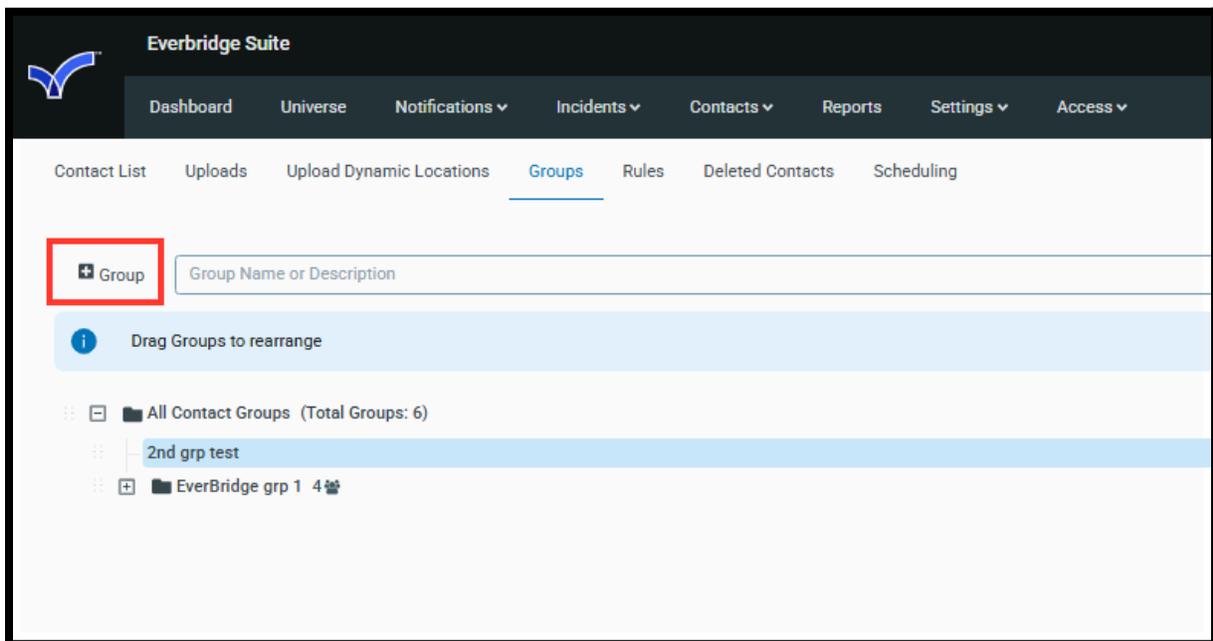
Displays | Tablets | Solutions

Steps to Create and Map Flashcast and EverBridge groups.

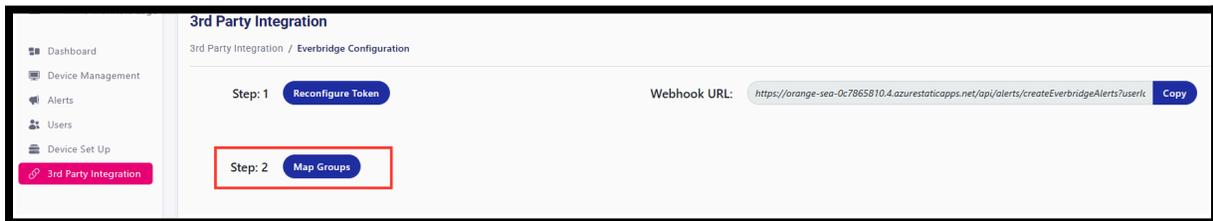
1. Select the **Groups** under **Contacts** from the top menu.



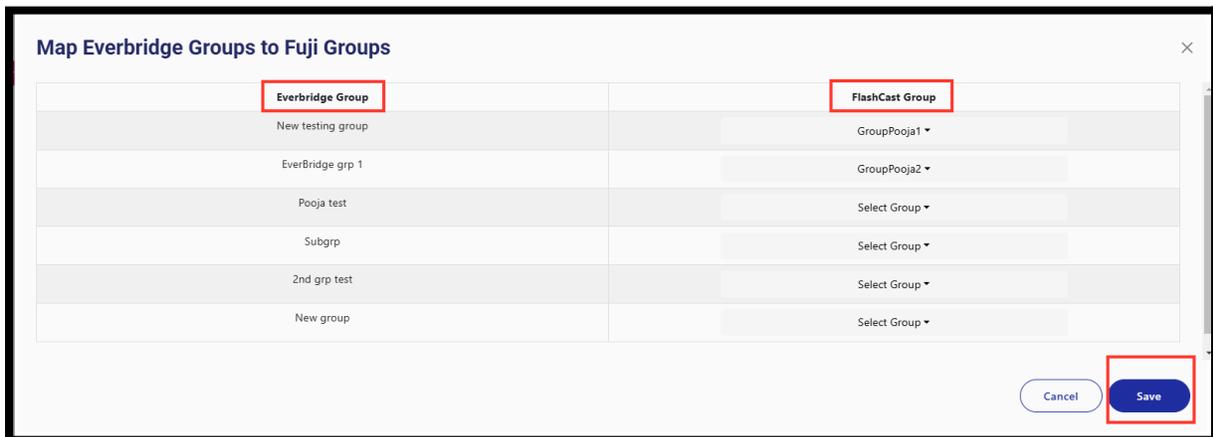
2. User can create the groups by clicking + icon and save it. It can take a few minutes for a new group to be reflected on the MIMO FlashCast portal



- Once the Webhook url is saved and Groups are created in EverBridge application, user can go back to Flashcast application to map the Flashcast groups with EverBridge groups by selecting **Map Groups**.



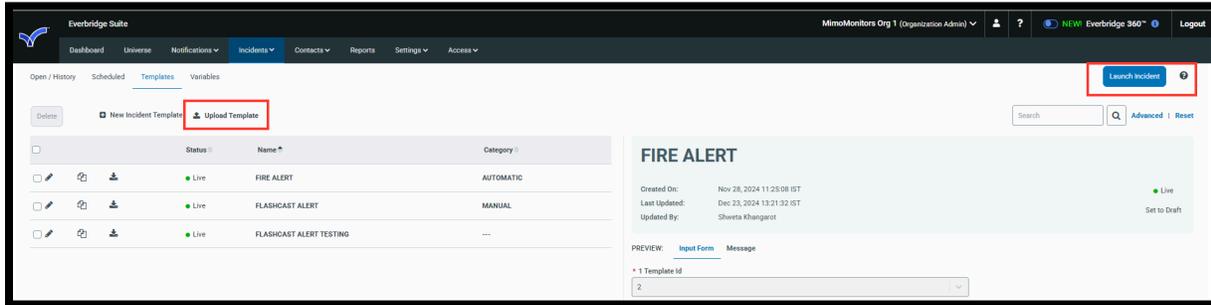
- All the Everbridge groups will be visible user can map the Flashcast group selecting from the dropdown menu. And save the mapping.



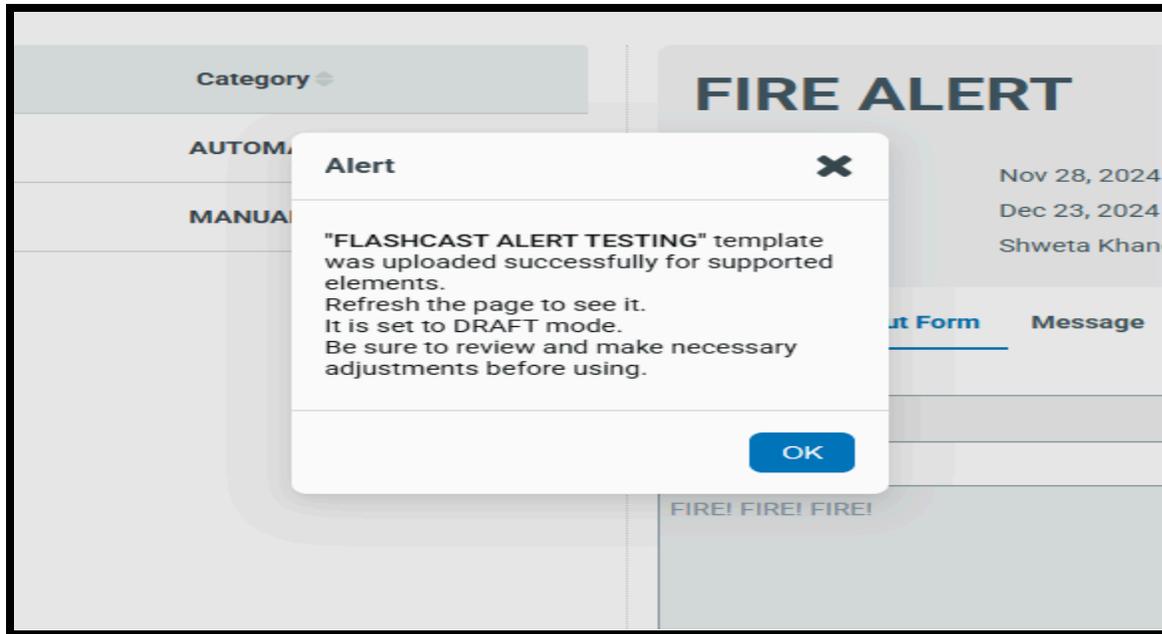
Note: Once the mapping is successful, the user can now create the templates and send alerts.

Steps for creating Templates in Everbridge:

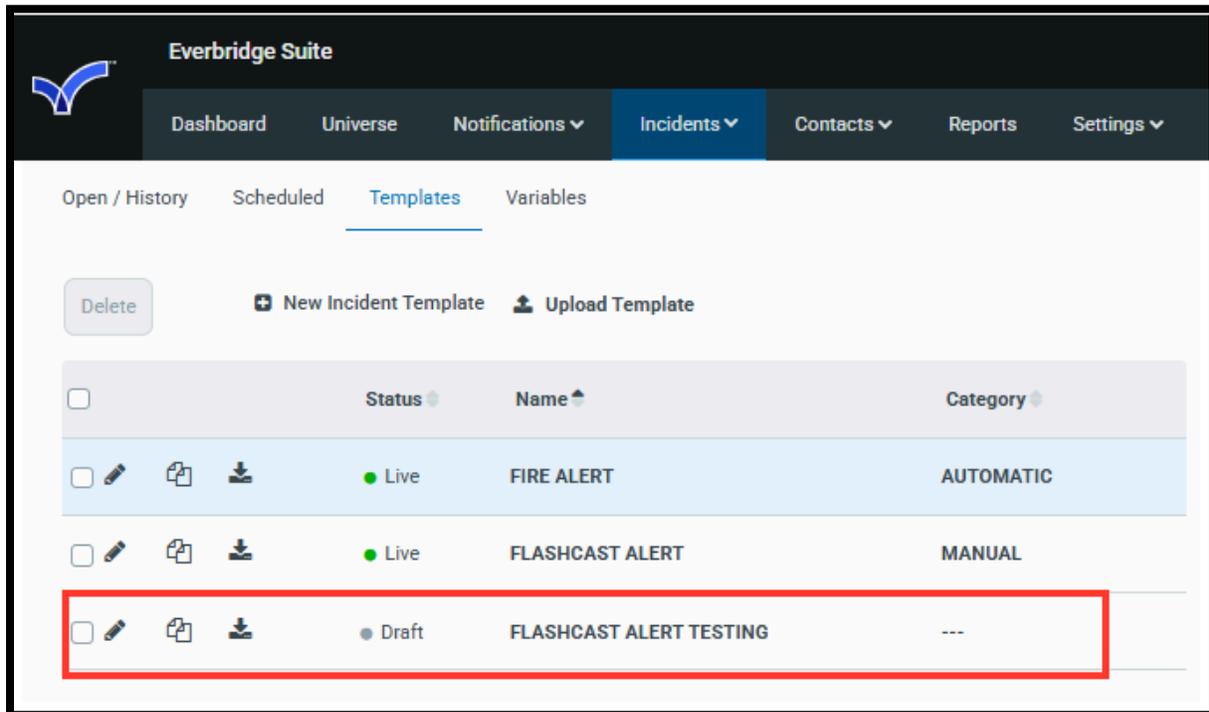
1. The user can upload the linked .xml file (https://cdn.shopify.com/s/files/1/0026/7132/files/FLASHCAST_ALERT_TEMPLATE.xml?v=1736783690) and launch it to use the template to create the alerts.



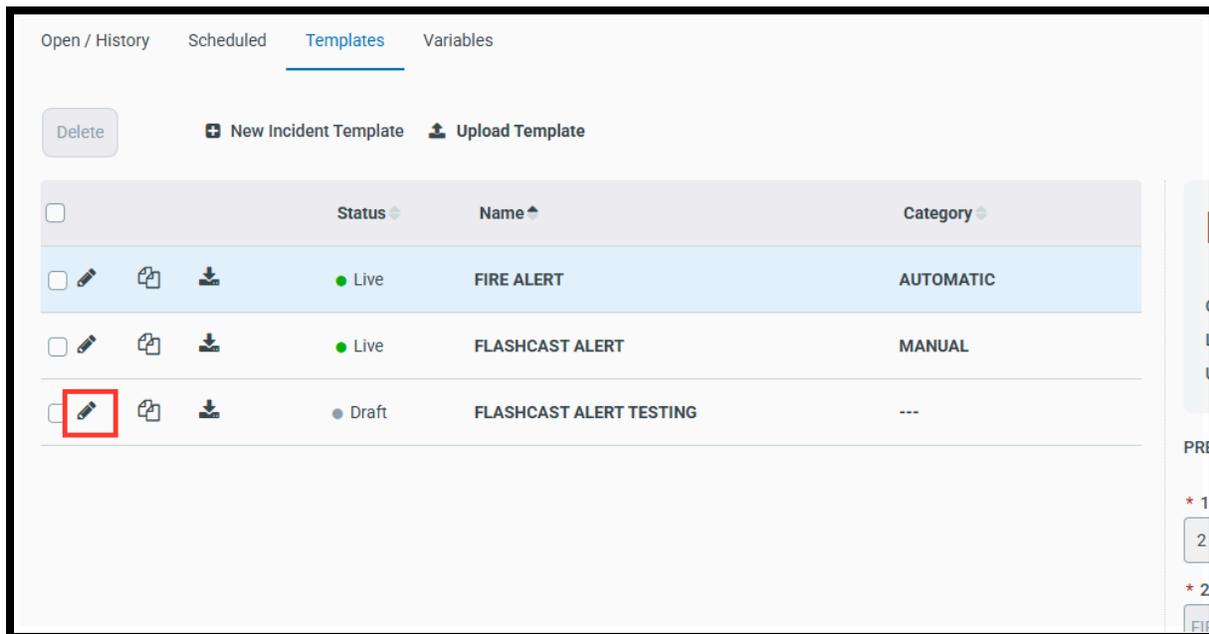
2. After uploading the .xml file user will see a pop up, click OK and refresh the page to see the uploaded template.



3. Once the file is uploaded user can see the template listed as shown in below screenshot.



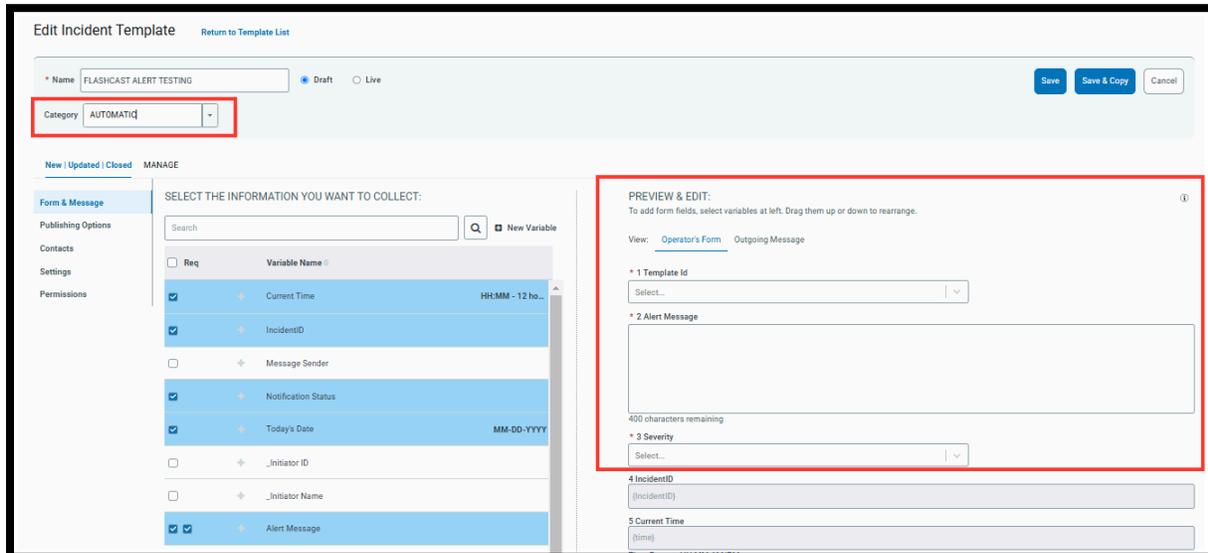
4. Users can click on edit icon and update the template as per their wish. Set the alert to 'live' to make it usable.



1. **Fields to Update:**

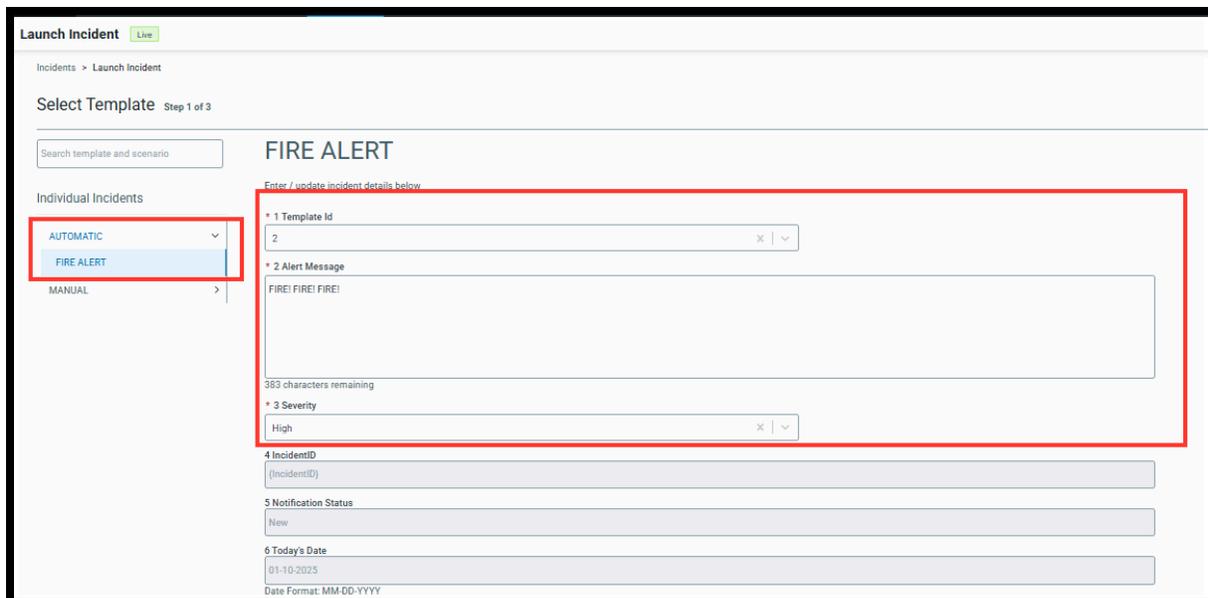
- a. **Name:** The user can change the name of the template.

- b. **Category:** The template can be categorized as either:
 - i. **Automatic:** For templates that are automatically generated where the user have to fill the Template Id, Alert message and Severity and save the details.



The screenshot shows the 'Edit Incident Template' interface. At the top, the name is 'FLASHCAST ALERT TESTING' and it is in 'Draft' mode. The 'Category' dropdown is set to 'AUTOMATIC'. Below this, there are sections for 'Form & Message' and 'PREVIEW & EDIT'. The 'Form & Message' section allows selecting variables to collect, such as 'Current Time', 'IncidentID', 'Message Sender', 'Notification Status', 'Today's Date', and 'Alert Message'. The 'PREVIEW & EDIT' section shows the template preview with fields for '1 Template Id', '2 Alert Message', and '3 Severity'.

Note: Once saved this template will appear for creating alerts. As shown below where user dont have to fill the details again.



The screenshot shows the 'Launch Incident' interface. The 'FIRE ALERT' template is selected. The 'Individual Incidents' list shows 'AUTOMATIC' and 'FIRE ALERT'. The 'FIRE ALERT' details are filled in, including Template Id, Alert Message, and Severity.

- ii. **Manual:** For templates that are created or managed manually. Template Id, Alert message and Severity have to be filled while sending the alert. As shown below.

Launch Incident Live

Incidents > Launch Incident

Select Template Step 1 of 3

Search template and scenario

Individual Incidents

- AUTOMATIC
- MANUAL
- FLASHCAST ALERT**

FLASHCAST ALERT

Enter / update incident details below

* 1 Template Id
Select...

* 2 Alert Message
400 characters remaining

* 3 Severity
Select...

* 4 IncidentID
(IncidentID)

2. **Status Options:**

- a. **Draft:** When selected, the template will be saved as a draft and will not be visible in Launch Incident page.
- b. **Live:** When selected, the template will be published and made live.

Edit Incident Template [Return to Template List](#)

* Name FLASHCAST ALERT TESTING Draft Live

Category

- 5. Select Publishing Options from the side menu and select Web posting option, then select the configured webhook URL name.

6. Users can pre-select the groups to which the alert should be sent for automatic templates from Contacts option on side bar, otherwise they can choose at the time of sending the alerts.

CONTACTS
Response Quota: None

*** ALWAYS SEND TO THESE CONTACTS**

⚠ In the event that none of your conditions are met and no publishing option or incident subscrip
(i) Select default contacts here and/or (ii) allow operators to edit contact selections (use the pl

0 Individuals | **0** Groups | **0** Rules | **0** Map [Preview contacts](#)

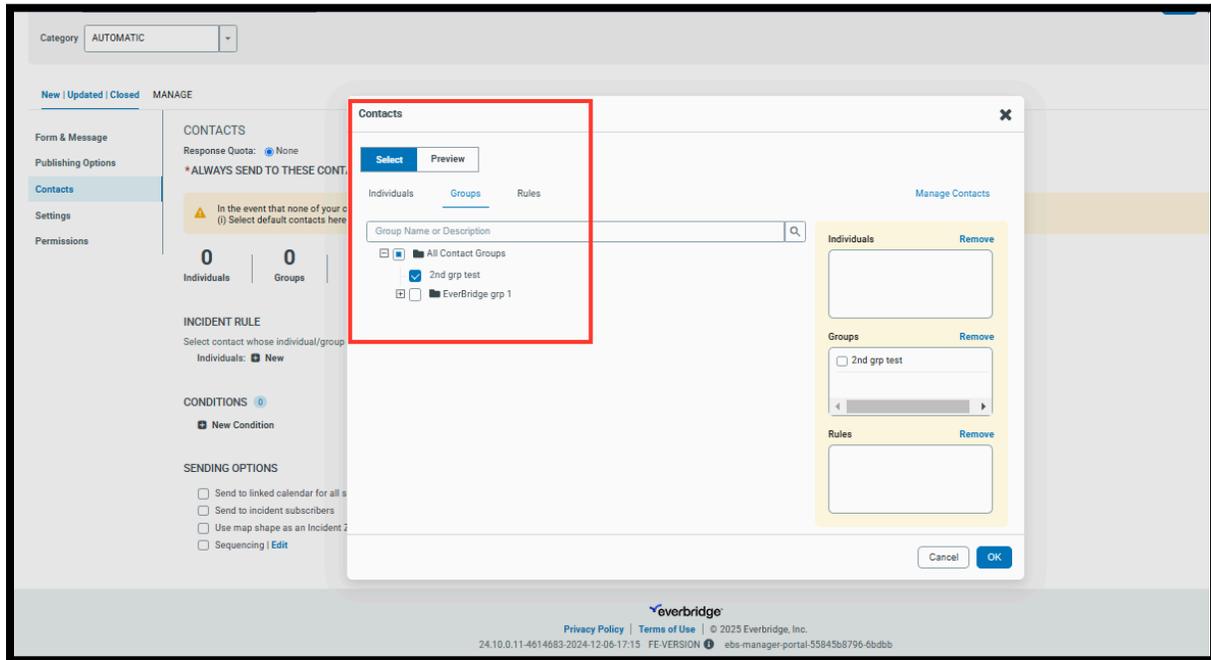
INCIDENT RULE
Select contact whose individual/group attribute meets the incident variable value
Individuals: **+** New

CONDITIONS **0**
+ New Condition

SENDING OPTIONS

- Send to linked calendar for all selected groups **i**
- Send to incident subscribers
- Use map shape as an Incident Zone **i**
- Sequencing | [Edit](#)

- Once the user clicks on groups he will be redirected to a pop up to check the groups to which there is mapping of flashcast group. After selecting click on OK.



7. Select Settings option from the side bar and select the delivery methods by editing the fields and select Everbridge App.

New | Updated | Closed MANAGE

Form & Message

Publishing Options

Contacts

Settings

Permissions

SETTINGS

View: Default | Condition 0

View: **Read-only** [Edit](#)

* Sender E-Mail Display: MIMOmonitors Sandbox Alerts

* Sender caller ID: [View](#)

* Sender SMS ID: [View](#)

* Request Confirmation: Yes

* Enforce privacy ⓘ: No

* Delivery methods: 1 Everbridge App

More options

Delivery Order: Organization Default

Interval between delivery methods: 2 min(s)

Broadcast duration: 24 hour(s)

Contact cycles: 1

Interval between cycles: 10 min(s)

Reply-to E-Mail: Organization default

Apply voice delivery throttling rules: No

Voice mail preference: Message Only

8. Click on 'Save' and then return to Template list to start using the alert templates.

Edit Incident Template [Return to Template List](#)

* Name: FLASHCAST ALERT TESTING Draft Live [Save](#) [Save & Copy](#) [Cancel](#)

Category: [dropdown]

New | Updated | Closed MANAGE

Form & Message

Publishing Options

Contacts

OPERATOR PERMISSIONS

Specify what an operator can do before sending a notification

[View](#) [Edit](#) [Add/Remove ⓘ](#)

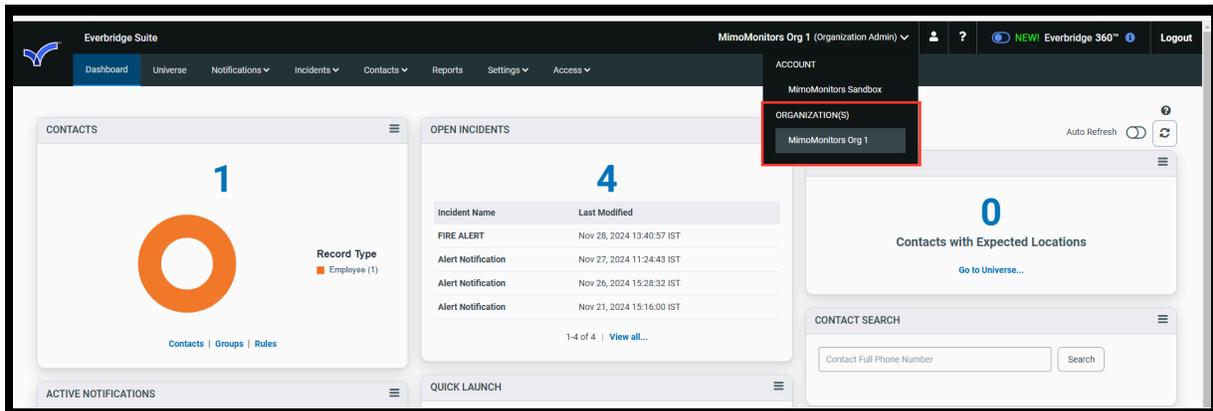
Note: Once the templates are created user can use the same templates and create alerts.



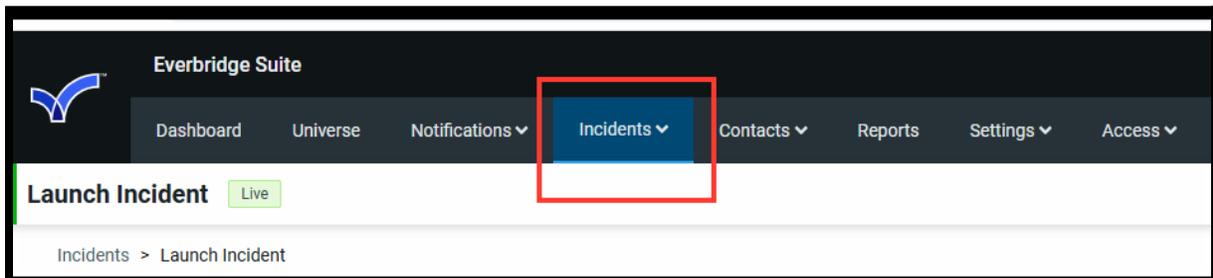
Displays | Tablets | Solutions

Steps for creating Alerts from Everbridge software with the FlashCast application:

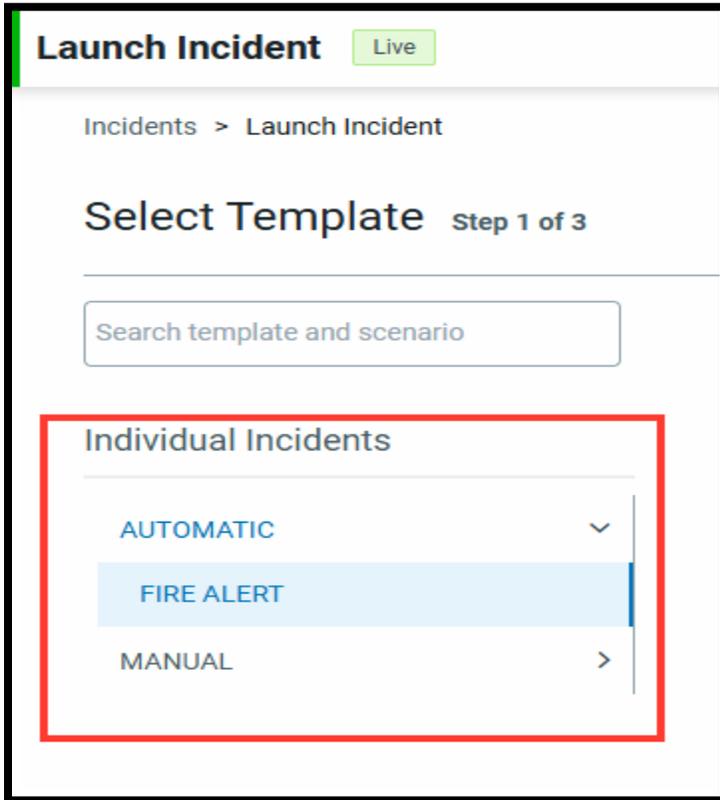
- 1) Login to the Everbridge portal with valid credentials.
- 2) In the top right corner make sure that under organizations MimoMonitors Org1 is selected.



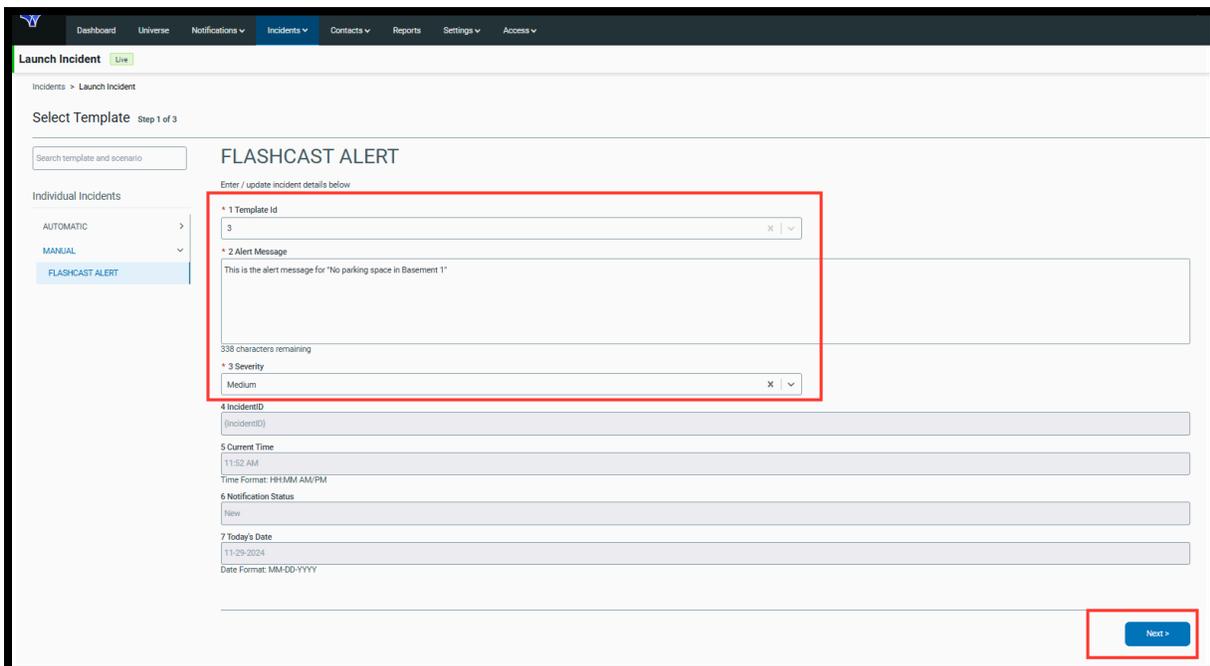
- 3) From top navbar select Incidents, and under **Incidents** choose **+Launch Incidents** to create the alerts.



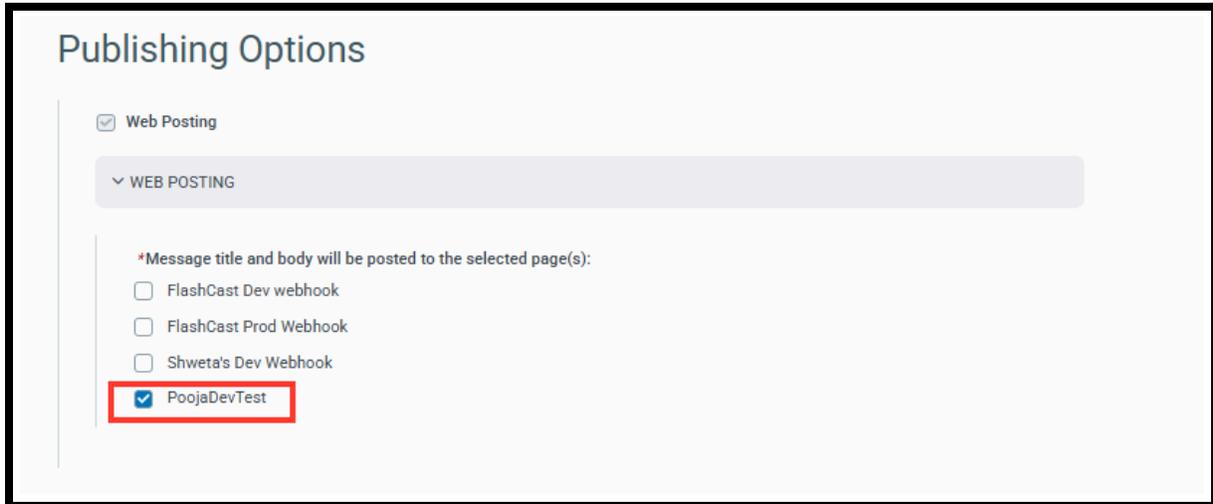
- 4) Under the Individual Incidents user can select either **Automatic** or **Manual** alerts.
 - 1) **Automatic alerts:** These are the ones where the **Template Id**, **Alert message**, **Severity** will be predefined based on the alert selected.
 - 2) **Manual alerts:** These are the ones where the user has to select **Template ID**, **Alert message**, and **Severity** based on the alert they are creating.



- 5) For a Manual alert user has to add **Template Id**, **Alert message** and **Severity** and scroll to the bottom to click on **Next** button which will take to preview page.



- 6) From the preview page scroll to the bottom of the page and make sure that the created Web posting for the particular user is selected.



- 7) Now under Contacts select Groups option and check the group for which Flashcast mapping is done. And click on OK.

Publishing Options

Web Posting

▼ WEB POSTING

*Message title and body will be posted to the selected page(s):

- FlashCast Dev webhook
- FlashCast Prod Webhook
- Shweta's Dev Webhook
- PoojaDevTest

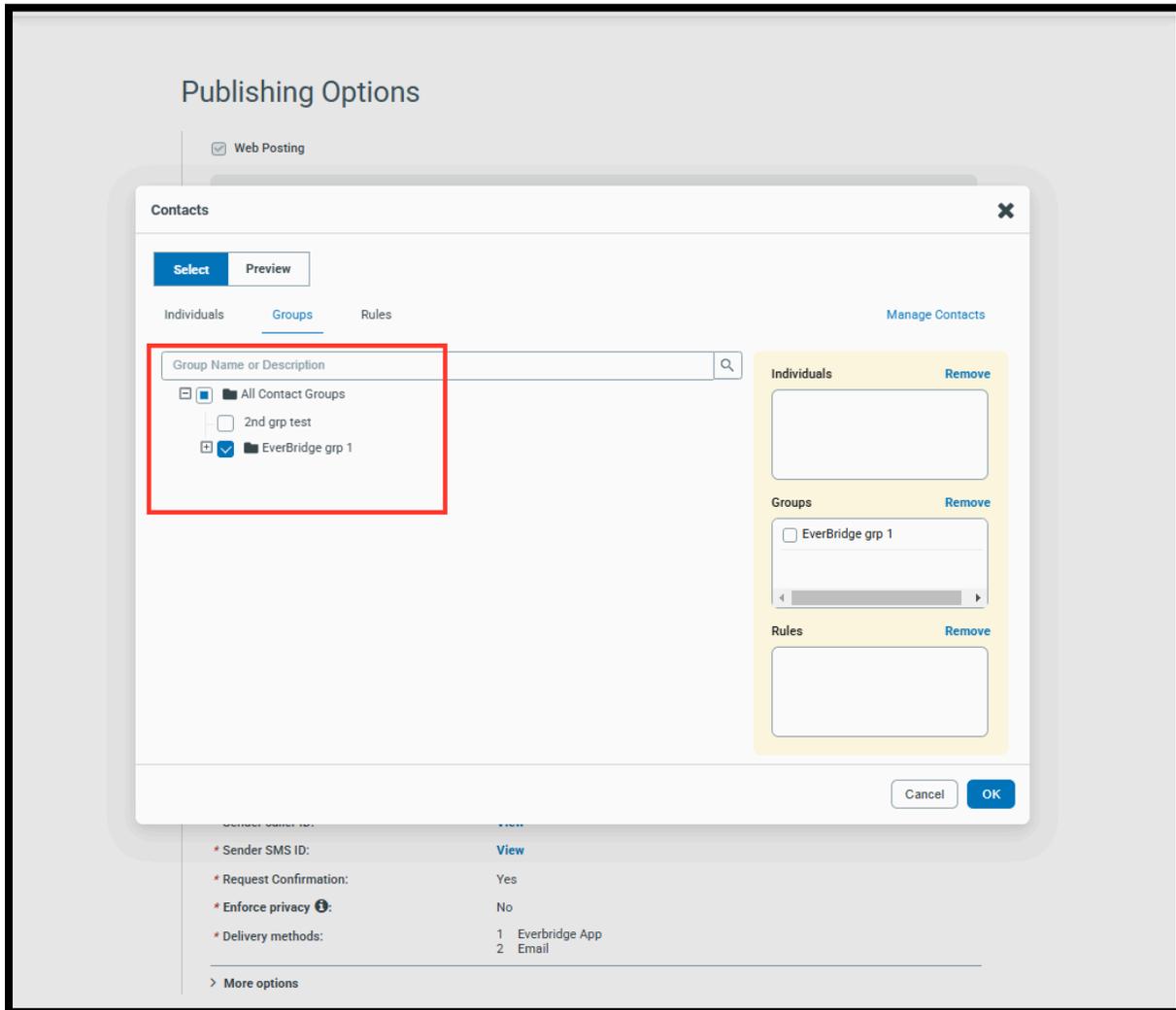
Contacts

Response Quota: None

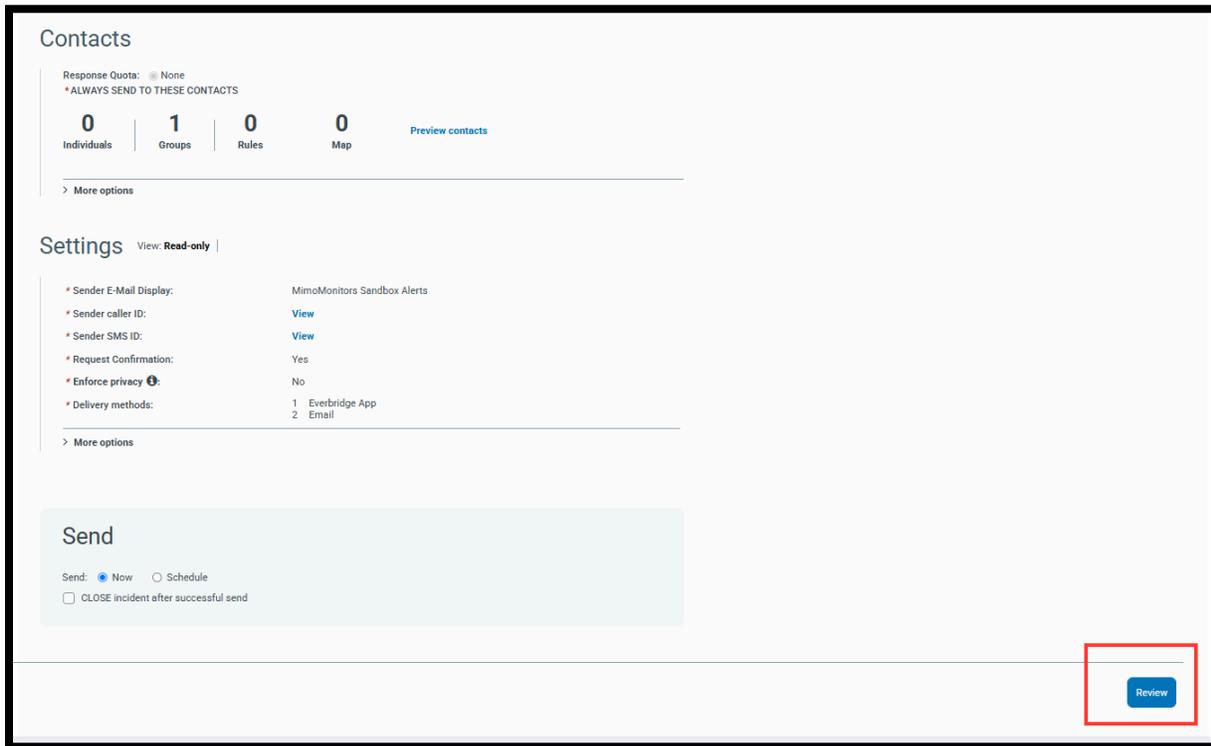
*ALWAYS SEND TO THESE CONTACTS

0	1	0	0	Preview contacts
Individuals	Groups	Rules	Map	

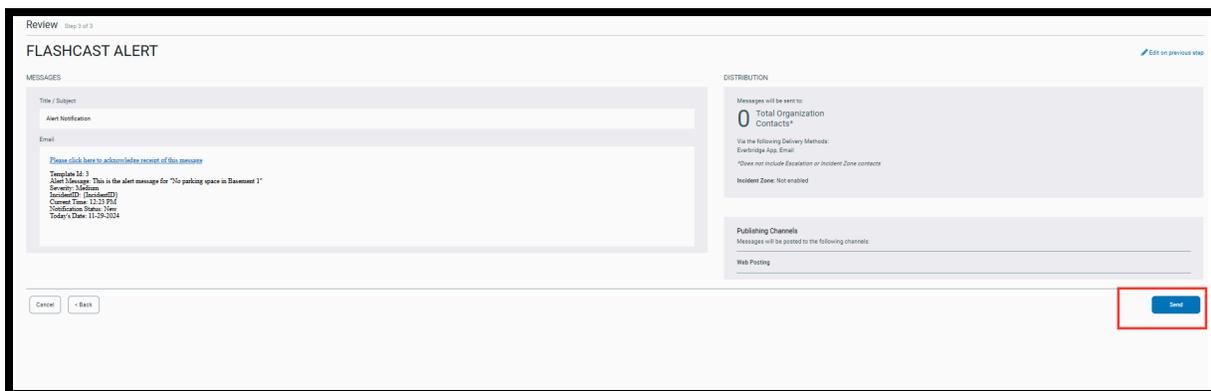
> More options



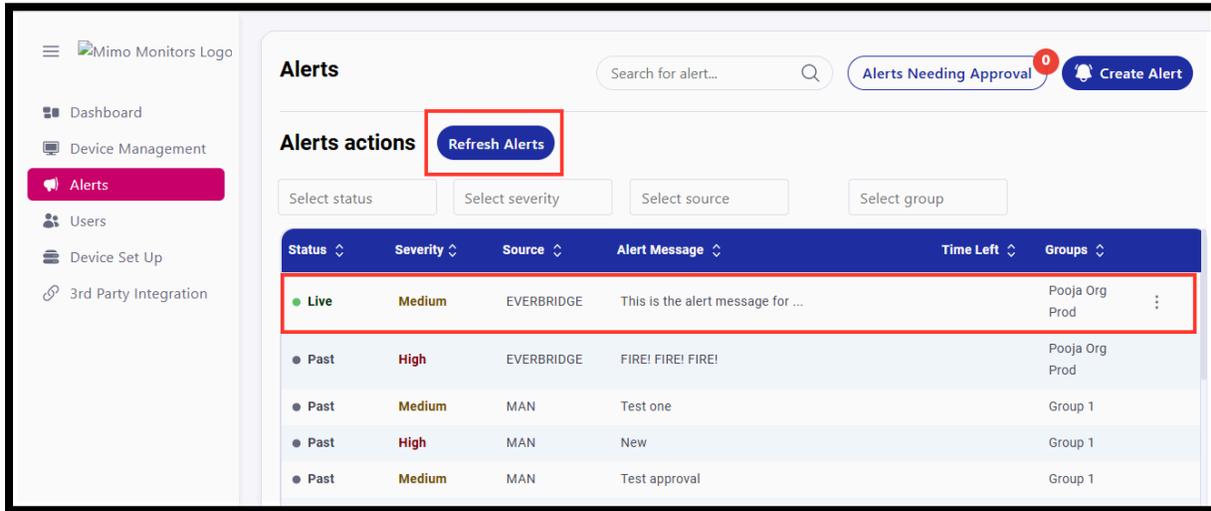
8) Now click on **Review** button for the final Review of the alert.



- 9) User can review the alert message, template id and severity selected for the alert and click on **Send**. Once the user clicks on send the alert message will be displayed the screen connected to the MIMO device.

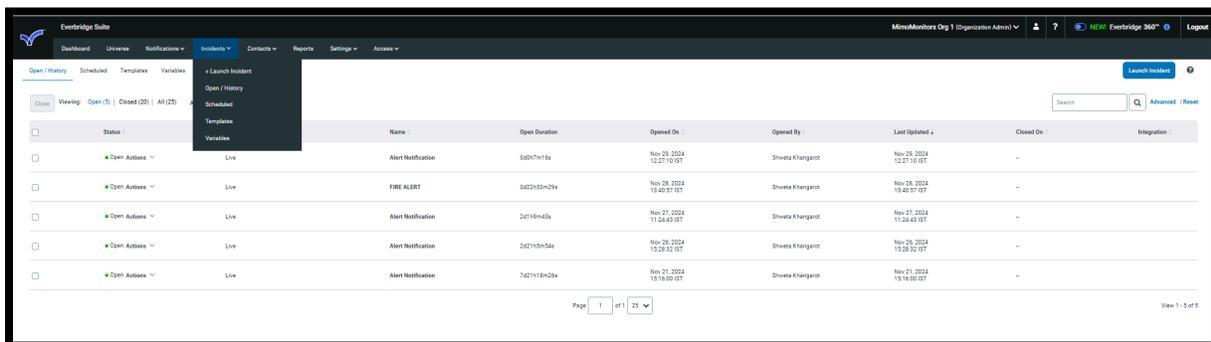


- 10) The user can now log in to FlashCast application and select Alert from the side navigation. Once the user Refreshes the alerts through the Refresh Alert button, the user can see the **live** alert that has been set.

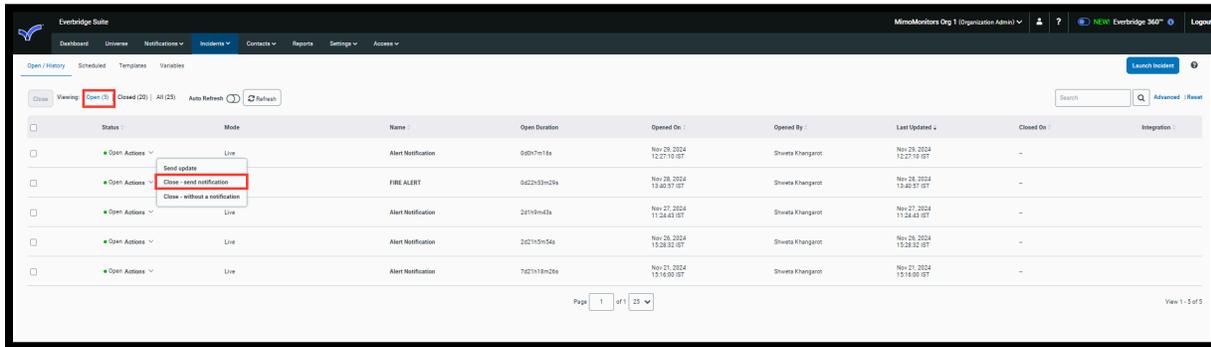


Steps for end/stop Alerts from EverBridge software:

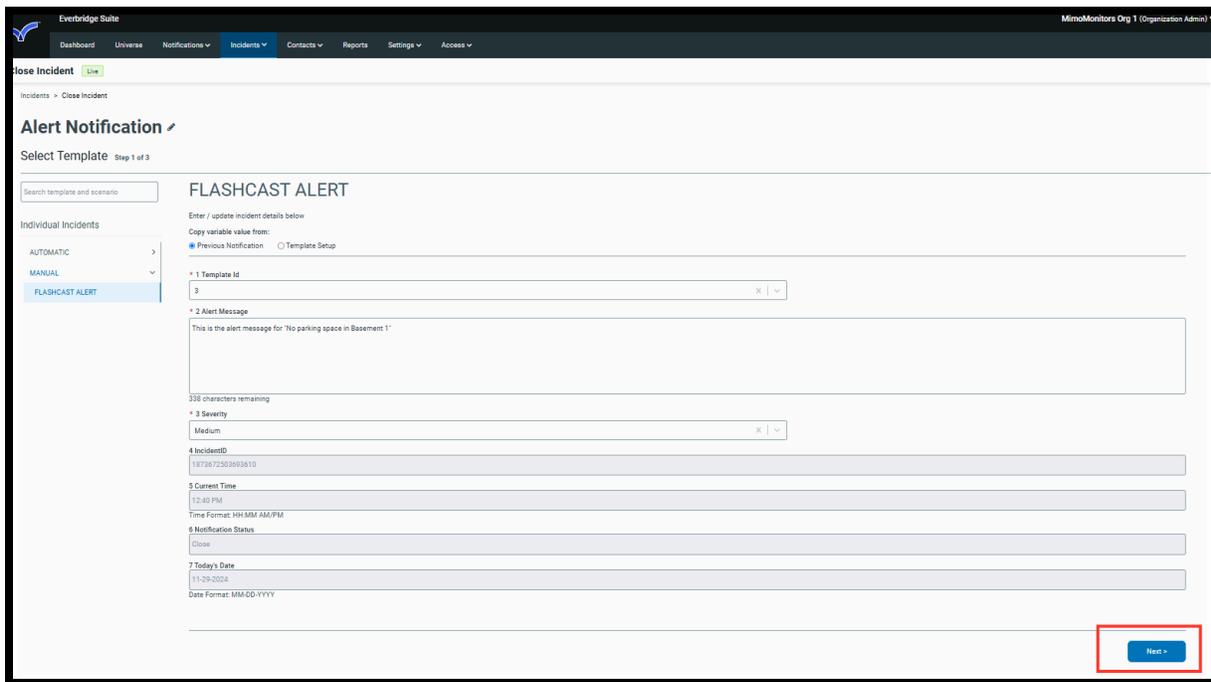
- 1) The user can login into EverBridge application, again from the top navbar select **Incidents**, under that choose **Open/History**.



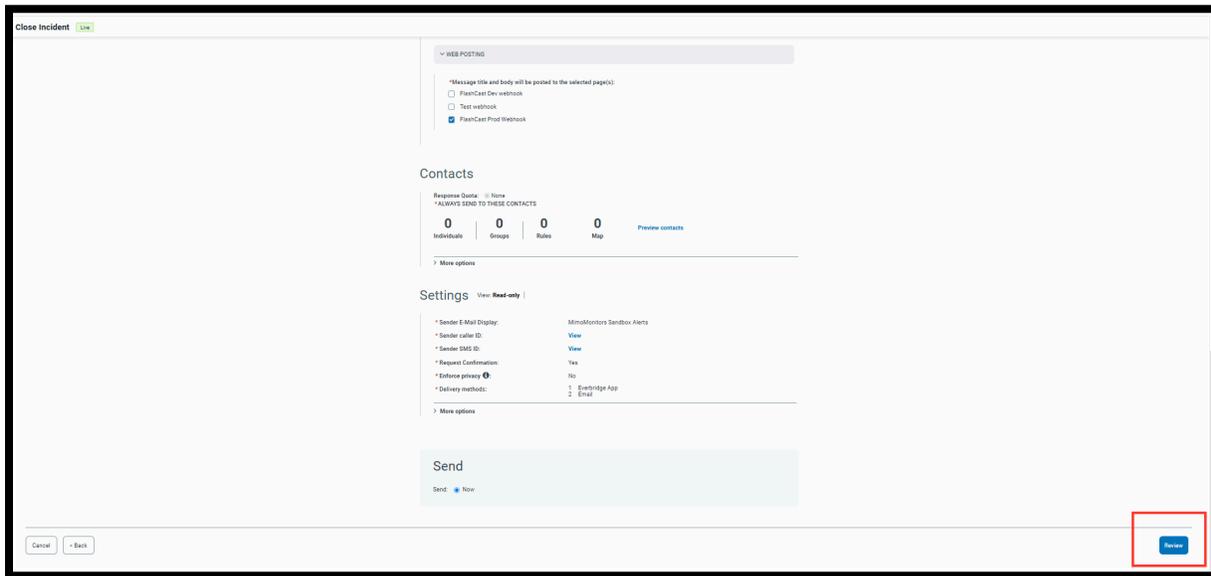
- 2) Under the **Open tab**, select the alert sent and click on **Actions**. Now choose **Close – send notification** and Confirm to close the incident. User will be redirected to Alert Notification page.



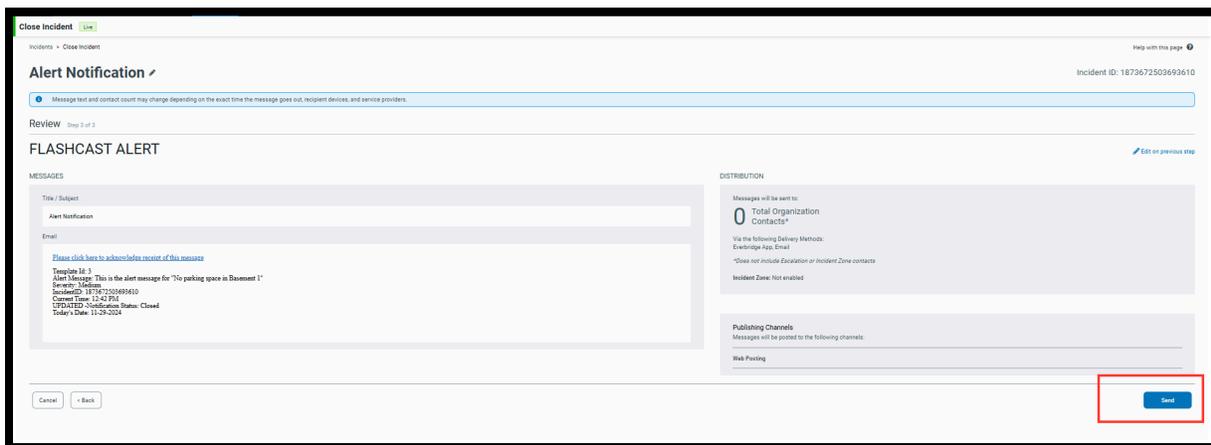
3) From Alert notification page scroll to bottom and click on the **Next** button. Confirm the pop up to proceed.



4) In the next page scroll to the bottom and make sure that proper Web Posting is selected click on **Review** to review the alert message.



5) Now review the message and click on **Send** to close the alert message.



6) Now refresh the alert in the FlashCast application, the user will see the status of the alert message to **Past** as the message ends. And the message will end on the screen as well which is connected to the MIMO device.



Dashboard

Device Management

Alerts

Users

Device Set Up

3rd Party Integration

Logout

Alerts actions

[Refresh Alerts](#)

Select status Select severity Select source Select group

Status	Severity	Source	Alert Message	Time Left	Groups
Past	Medium	EVERBRIDGE	This is the alert message for ...		Pooja Org Prod
Past	High	EVERBRIDGE	FIRE! FIRE! FIRE!		Pooja Org Prod
Past	Medium	MAN	Test one		Group 1
Past	High	MAN	New		Group 1
Past	Medium	MAN	Test approval		Group 1
					Pooia Org

Item per page Page 1 of 4



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Template Samples and corresponding numbers

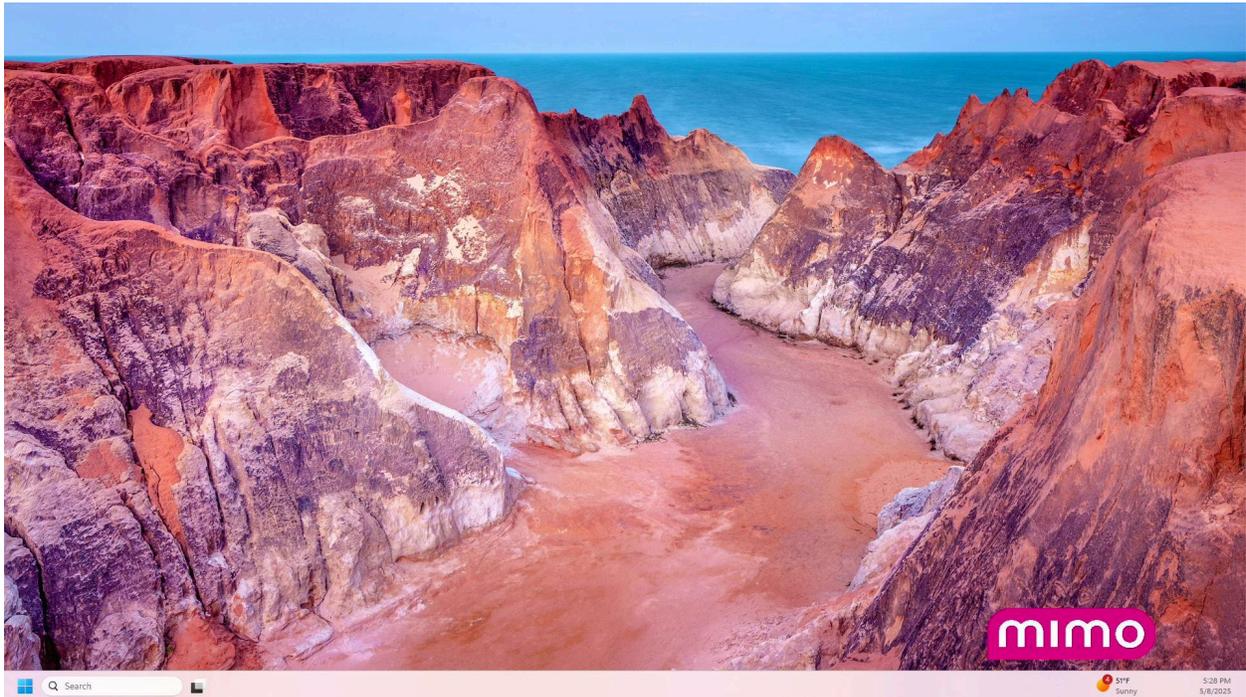
1. [Full Page](#)
2. [Lower Left icon with Text](#)
3. [Ticker](#)
4. [Mimo \(or other\) lower right icon. No text](#)
5. Turn alert off
6. [Do not use - \(Same as 3/ticker, but for special case\)](#)
7. [Do not use - For the Out Of Box Experience Only](#)
8. [Do not use - For the Out Of Box Experience Only](#)
9. [Do not use - For the Out Of Box Experience Only](#)
10. [Do not use - For the Out Of Box Experience Only](#)
11. [Do not use - 'No Connection' text in the lower left of the screen](#)
12. [Yellow 3 line lower banner](#)
13. [For debug only - puts local IP address and mac address on screen](#)
14. [Top of Page Ticker with very large font](#)
15. [Shelter in place](#)
[All Clear](#)
16. [Bus Arrival Icon](#)
17. [Weather](#)

Every other template number, if used, will result in overlay off

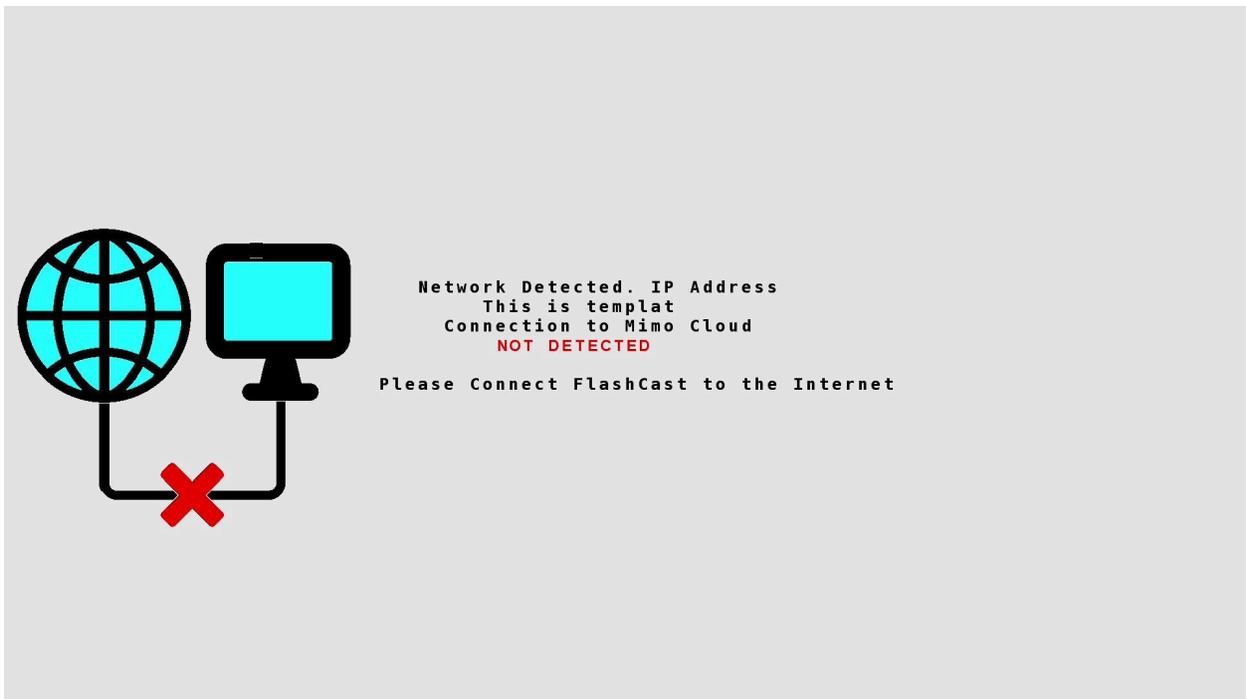


Displays | Tablets | Solutions

Template 4



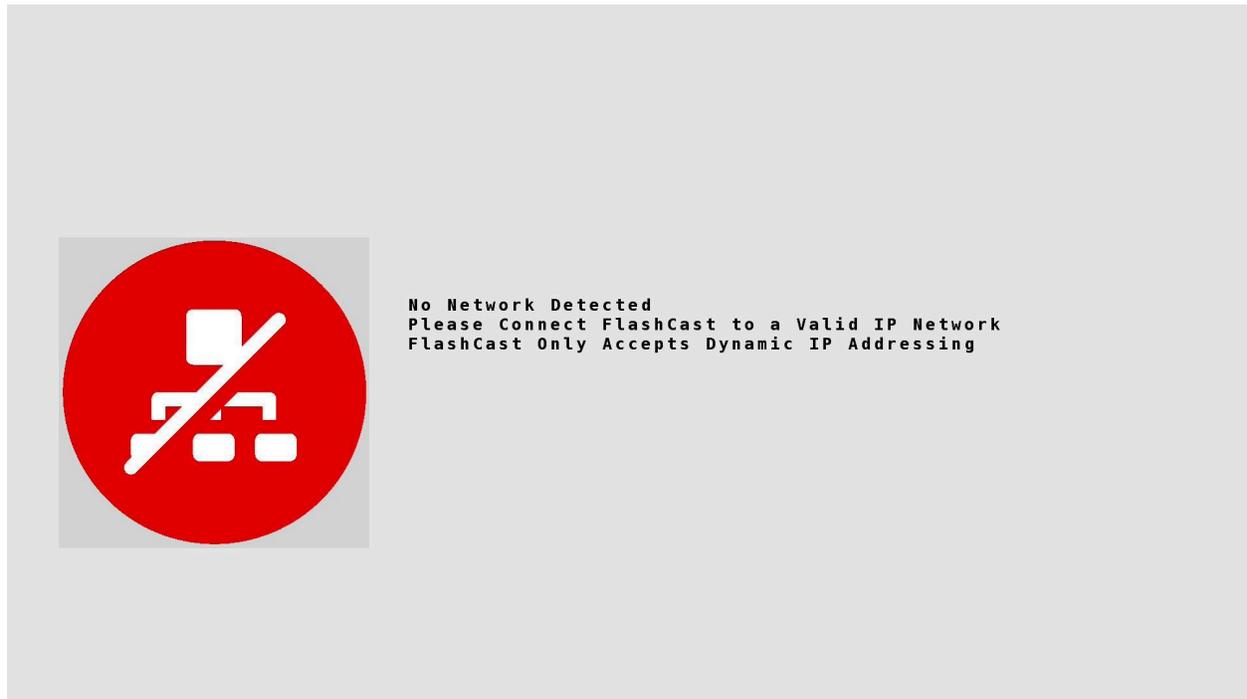
Template 7





Displays | Tablets | Solutions

Template 8



Template 11





Displays | Tablets | Solutions

Template 13



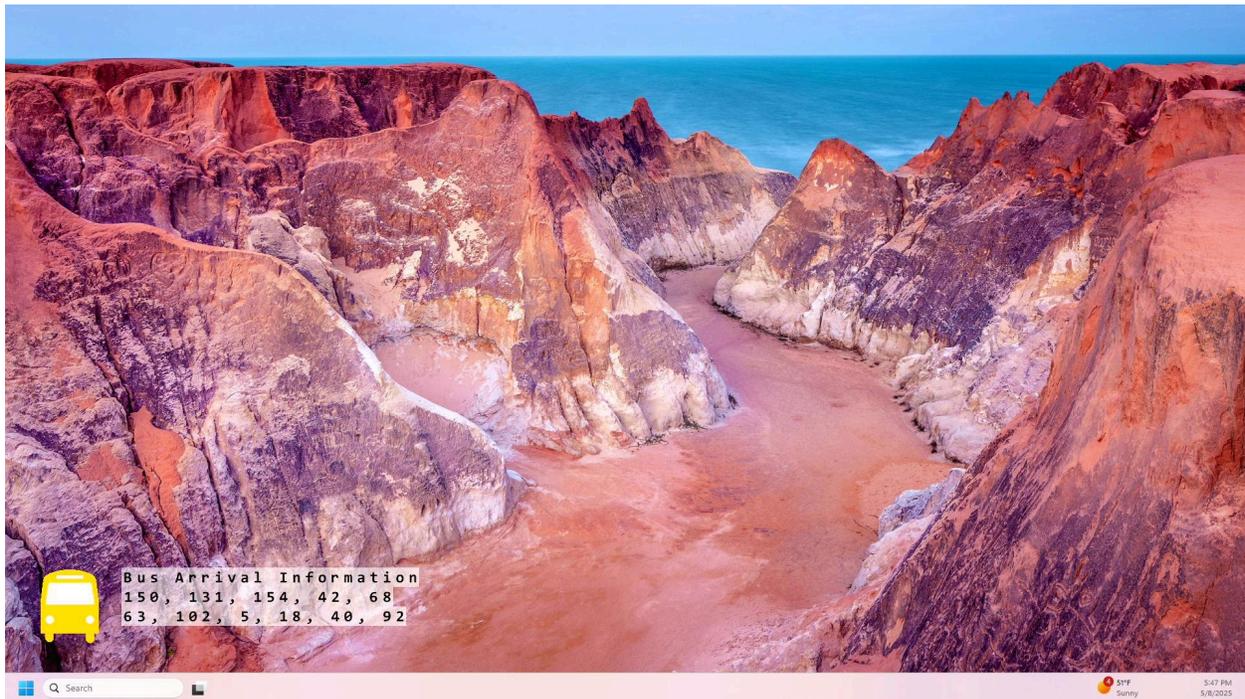
Template 14





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Template 16



Template 17:





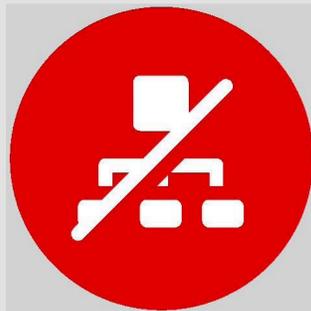
FlashCast Hardware Specification

FEATURES

- 1-input, 1-output HDMI transport, uncompressed video
 - Up to 8k60 YCbCr 4:2:0 12-bit video support
 - Up to 8k30 RGB/YCbCr 4:4:4/4:2:2 12-bit video support
 - Up to 4k120 4:4:4 12-bit high frame rate video support
 - Up to 48 Gbps FRL support
 - Up to 18 Gbps TMDS video support
 - HDMI 1.4a, HDMI 1.4b, HDMI 2.0, and HDMI 2.1 compliant and DVI-compatible transceiver
- HDCP
 - HDCP 1.4 and HDCP 2.3 support
 - Independent HDCP support on transmitter and receiver ports
 - Fully integrated HDCP 1.4 and HDCP 2.3 repeater modes
- Audio Insertion
 - 192 kHz, 24-bit LPCM audio support
- Video
 - VRR, FVA, and ALLM passthrough support
 - Dynamic HDR passthrough support including HDMI dynamic HDR metadata, HDR10+, and Dolby Vision
 - DSC 1.2a passthrough support
- Integrated HDMI CEC controller
 - CEC 1.4 support
 - Can create or pass through CEC commands
 - Enables features like automatic power on/off and input switching
- CPU
 - 32-bit Arm® Cortex®-A7
 - Embedded Linux system
 - Kernel 6.1.28 - Updateable over the cloud
- Security/safety
 - 100% TLS encrypted communications to Mimo FlashCast Azure Cloud portal
 - Authentication via Certificates
- Ethernet RJ-45 port
 - 100Base-T
 - PoE 802.3af
- Power Consumption
 - 6W maximum
 - 4.5W typical
 - No standby mode
- 3.5mm connector (reserved for future use - No function at this time)

Troubleshooting

- **Device shows online on cloud but sent alerts do not appear on external display.**
 - This problem can pertain to a software issue. In this case new firmware needs to be pushed onto the device via the support team. Contact the support team with this specific issue by sending over the unit's serial number.
- **The external monitor is displaying the following image.**



No Network Detected
Please Connect FlashCast to a Valid IP Network
FlashCast Only Accepts Dynamic IP Addressing

- This would occur when there is no network connection with the FlashCast device.
- Ensure that there is ethernet communication by observing the network switch and seeing both led lights are on.
- If the port is not working, attempt a different port on the switch and also check if a different device is also experiencing the same issue where the network is not detected.
- Check the FlashCast device if both of the RJ45 connector lights are on and corresponding with the network switch. Also check if both of the green led lights on the FlashCast unit are on. If all of these are true then contacting support is necessary to attempt to fix the issue or a replacement of the hardware is needed if the support team can not find a solution.
- **The unit is not responding correctly after MIMO pushed a firmware update.**
 - After MIMO pushes a firmware update to your units in some cases the unit will need to be power cycled. Once a power cycle is completed and the unit



Displays | Tablets | Solutions

continues to not behave as intended please contact support so the issue can be resolved.



FAQs

- Only Microsoft related accounts are allowed for FlashCast Cloud accounts. This is being updated
- How can I use the FlashCast with WiFi
 - At this time, there is no internal support for WiFi, although Mimo is working on a new version to support WiFi. The only tested WiFi product known to work with FlashCast is this unit that also outputs the required PoE power
 - Alarm.com ADC-W110 PoE to Wi-Fi Bridge
- I don't have PoE, how else can I power the FlashCast.
 - At this time, PoE is the only possible way to power FlashCast. If you do not have PoE available as part of your network infrastructure, an 802.3af compliant PoE injector would be required. Support for 100Base-T required, but not Gigabit.
Tested examples
 - <https://store.ui.com/us/en/category/accessories-poe-power/collections/pro-store-poe-and-power-adapters/products/u-poe-af?variant=u-poe>
 - TP-LINK 802.3af Gigabit PoE Injector
- How do I create my own custom templates, overlays, fonts, logos, colors, etc.
 - At this time, while any overlay is possible, they can only be created by Mimo. Please contact Mimo with your request, and we can quote your custom development



Release Notes:

1.2.9 - Quick Alerts and initial release of non-English (extended Latin) characters

Issues Fixed

1. On 4k displays if the system is originally booted without the output being active because the input is inactive or the output display is off/standby, is it possible that the FlashCast overlay may only cover 1/4th the screen.
2. CEC commands to turn on the display from an off/standby state are not well tested.
3. On some TVs, the screen pass through does not properly wake up when the source goes from off to active
4. Updates to engineering support for RSS Feeds
 - a. The RSS scroll was freezing during a check for an update
 - b. The text "Feed --" was removed from the displayed feed
 - c. The RSS feed once begun could not be ended.
5. Main font was changed to Consolas to make the letter spacing more consistent
6. The FlashCast main log file rotates to keep total file size within reason
7. The new Mimo Logo was implemented at boot time
8. Some overlay templates have been cleaned up
9. Occasional Segmentation fault on program start or exit has been corrected
10. Speed of ticker has been adjusted
11. If the unit went offline, it would report this as a small overlay. This has been disabled for now to not disturb end users
12. Red Dots or other display corruption can occur after a long time when an alert is posted.

Features Added

- Quick Alert Integration.
 - A predefined alerting feature enables the configuration of quick alerts to notify users about critical events, issues, or emergencies, allowing for real-time notifications. Please see User Guide for more details
 - Added a feature for alert auto-clear with 30secs, 1min, 2mins.
 - Added a feature to edit the groups for the quick alerts while sending the alerts.
 - Search functionality added to the Quick Alert listing page.
- If there was an active alert, and for any reason the FlashCast unit is rebooted (power loss or other error), any active alert is reposted
- Support for additional Latin characters beyond English. Specifically we have added Unicode Character Latin Supplement (128 - 255).



Known Issues

1. All resolutions not listed under release note 1.2.1 will show unexpected behavior
 - a. Any resolution above 1920x1080, but less than 4k (but not including QHD 2560x1440) does not scale the overlay, so an overlay will have portions of the screen that may not have template elements. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 1920x1200 (16:10 aspect ratio) display, all overlay pixels from from 1081->1200 vertically will be standard display pixels and will not be affected during an event.
 - b. Any resolution below 1920x1080 (but not including 1280x720 or 1280x800) does not scale the overlay, so text and or graphics will potentially be cut off. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 480p screen (640x480), all overlay pixels from 641->1920 horizontally and 481->1080 vertically will be cut off and not displayed.
 - c. Image pass thru on 8k displays will work but the overlay of FlashCast will most likely not work properly. 8k support is not well tested. It is not recommended at this time to use FlashCast on 8k displays. [However, please report issues.](#)
2. The text ticker randomly pauses for a second or so before restarting
3. When a quick alert is sent with the auto-clear timer, there may be a delay of approximately 59 seconds to end the alert.
4. Pages refresh multiple times when the screen resolution changes state (resolution change, off to on, on to off, etc)
5. Multiple Alerts can show as the active Alert on the dashboard, even though only one alert can actually be active. The only active alert is the newest alert posted to the group. There is no way to clear old alerts, and each must be ended individually. The only way to stop it is to turn it off manually.
6. While the full page overlay can display more than 8 Lines of information, at this time text is truncated after the 8th line of text.
7. Edit group option is not available.
8. While editing a scheduled alert, the send now option is not available.
9. The user is unable to assign a device from parent organization even if the device is present under any other sub group.



10. Clear option is not available for the filters in users and alerts. The user has to remove the selected filter by pressing the backspace key.
11. When the device name is updated in Device Management and checked in the “Assign Devices to Group” section, the name does not refresh automatically, and the old name continues to be displayed.
12. After the device name is edited, the “Assign Devices to Group” button remains enabled for selection, despite the device not being selected.
13. On some screens, if the original source sends a CEC off command while there is an active alert, the FlashCast command to turn the screen back on may not be recognized.
14. IOT Agent and firmware version number will not be displayed for the devices in the device management table when we search for a device or select any group in the device management table.
15. Duplicate records are being created when DAS alert is sent for Admin approval.
16. Once the alert is created, the latest created alert should be shown at the top of the list.



1.2.6 - Everbridge release, Bug fixes, and Engineering Release for RSS

Issues Fixed

1. On 4k displays if the system is originally booted without the output being active because the input is inactive or the output display is off/standby, is it possible that the FlashCast overlay may only cover 1/4th the screen.
2. CEC commands to turn on the display from an off/standby state are not well tested.
3. On some TVs, the screen pass through does not properly wake up when the source goes from off to active

Features Added

- EverBridge Integration: From the third-party Integration, the user can integrate EverBridge software with the FlashCast application and push the alerts to the FlashCast system and devices.
- Initial Engineering only release for support of RSS feeds.

Known Issues

1. All resolutions not listed under release note 1.2.1 will show unexpected behavior
 - a. Any resolution above 1920x1080, but less than 4k does not scale the overlay, so an overlay will have portions of the screen that may not have template elements. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 1920x1200 (16:10 aspect ratio) display, all overlay pixels from from 1081->1200 vertically will be standard display pixels and will not be affected during an event.
 - b. Any resolution below 1920x1080 does not scale the overlay, so text and or graphics will potentially be cut off. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 480p screen (640x480), all overlay pixels from 641->1920 horizontally and 481->1080 vertically will be cut off and not displayed.
 - c. Image pass thru on 8k displays will work but the overlay of FlashCast will most likely not work properly. 8k support is not well tested. It is not recommended at this time to use FlashCast on 8k displays. [However, please report issues.](#)
2. The text ticker randomly pauses for a second or so before restarting
3. Pages refresh multiple times when the screen resolution changes state (resolution change, off to on, on to off, etc)



4. Multiple Alerts can show as the active Alert on the dashboard, even though only one alert can actually be active. The only active alert is the newest alert posted to the group. There is no way to clear old alerts, and each must be ended individually. The only way to stop it is to turn it off manually.
5. While the full page overlay can display more than 8 Lines of information, at this time text is truncated after the 8th line of text.
6. Red Dots or other display corruption can occur after a long time when an alert is posted.
7. Edit group option is not available.
8. While editing a scheduled alert, the send now option is not available.
9. The user is unable to assign a device from parent organization even if the device is present under any other sub group.
10. Clear option is not available for the filters in users and alerts. The user has to remove the selected filter by pressing the backspace key.
11. When the device name is updated in Device Management and checked in the “Assign Devices to Group” section, the name does not refresh automatically, and the old name continues to be displayed.
12. ID-1523: After the device name is edited, the “Assign Devices to Group” button remains enabled for selection, despite the device not being selected.
13. On some screens, if the original source sends a CEC off command while there is an active alert, the FlashCast command to turn the screen back on may not be recognized.
14. The large font ticker does not properly function unless the source is active (outputting a signal)
15. The large font ticker has horizontal gaps between each letter
16. IOT Agent and firmware version number will not be displayed for the devices in the device management table when we search for a device or select any group in the device management table.
17. ID-1645: Duplicate records are being created when DAS alert is sent for Admin approval.



1.2.1 - General Release for additional resolutions and some fixes

Issues Fixed

1. If you originally assign a device to the main company group, you can now unassign it.
2. CEC commands to turn the screen on from an off state have been implemented
3. The ticker will no longer flicker as it scrolls.
4. Display a message/warning to the user when Singlewire token expires
5. Disable lowercase letters for user to enter the Device ID.
6. Restrict the use of special characters in the Device ID field and update the error message accordingly.

Features Added

New resolutions added. We now support resolutions:

- 1280x720
- 1280x800 (Partial. This resolution will use the 1280x720 pages, so the lower 10% of the screen will not be covered)
- 1920x1080
- 1920x1200 (Partial. This resolution will use the 1920x1080 pages, so the lower 10% of the screen will not be covered)
- 2560x1440
- 3840x2160
- 8k support is very limited as of this release
- Any other resolution will utilize the 1920x1080 pages, so portions of the screen may be uncovered, or alerts may not be visible.
- Add debug logs for Organisation Service.
- Initial Engineering only Everbridge Implementation.
- Add Device Id column on Device Management Page Information for all the devices to retrieve Device Logs.

Known Issues

1. All resolutions not listed above will show unexpected behavior
 - a. Any resolution above 1920x1080, but less than 4k does not scale the overlay, so an overlay will have portions of the screen that may not have template elements. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 1920x1200 (16:10 aspect ratio) display, all overlay pixels from from 1081->1200 vertically will be standard display pixels and will not be affected during an event.



- b. Any resolution below 1920x1080 does not scale the overlay, so text and or graphics will potentially be cut off. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 480p screen (640x480), all overlay pixels from 641->1920 horizontally and 481->1080 vertically will be cut off and not displayed.
 - c. Image pass thru on 8k displays will work but the overlay of FlashCast will most likely not work properly. 8k support is not well tested. It is not recommended at this time to use FlashCast on 8k displays. [However, please report issues.](#)
2. On 4k displays if the system is originally booted without the output being active because the input is inactive or the output display is off/standby, is it possible that the FlashCast overlay may only cover 1/4th the screen.
3. CEC commands to turn on the display from an off/standby state are not well tested.
4. Multiple Alerts can show as the active Alert on the dashboard, even though only one alert can actually be active. The only active alert is the newest alert posted to the group. There is no way to clear old alerts, and each must be ended individually. The only way to stop it is to turn it off manually.
5. While the full page overlay can display more than 8 Lines of information, at this time text is truncated after the 8th line of text.
6. Red Dots or other display corruption can occur after a long time when an alert is posted.
7. Edit group option is not available.
8. While editing a scheduled alert, the send now option is not available.
9. The user is unable to assign a device from parent organization even if the device is present under any other sub group.
10. Clear option is not available for the filters in users and alerts. The user has to remove the selected filter by pressing the backspace key.
11. When the device name is updated in Device Management and checked in the “Assign Devices to Group” section, the name does not refresh automatically, and the old name continues to be displayed.



1.1.8 - Single Bug Fix

Issues Fixed

1. When Enrolling a new device, there is an error where the IP address is shown instead of the Serial Number 10 seconds after booting. The Serial Number should still be used to register the device in the Device ID field in the online portal. It is located on the bottom of the physical device and the original box.

Features Added

None

Known Issues

1. Resolution scaling is not yet implemented. The only fully supported resolutions are 1920x1080 and 3840x2160. All other resolutions will show unexpected behavior
 - a. Any resolution above 1920x1080, but less than 4k does not scale the overlay, so an overlay will have portions of the screen that may not have template elements. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 1920x1200 (16:10 aspect ratio) display, all overlay pixels from from 1081->1200 vertically will be standard display pixels and will not be affected during an event.
 - b. Any resolution below 1920x1080 does not scale the overlay, so text and or graphics will potentially be cut off. Essentially what it does as of this release is that the top left corner will be correct, and it will output 1920x1080 pixels. As an example, if you put FlashCast on a 720p screen (1280x720), all overlay pixels from 1281->1920 horizontally and 721->1080 vertically will be cut off and not displayed.
 - c. Image pass thru on 8k displays will work but the overlay of FlashCast will most likely not work properly. 8k support is not well tested. It is not recommended at this time to use FlashCast on 8k displays. [However, please report issues.](#)
2. On 4k displays if the system is originally booted without the output being active because the input is inactive or the output display is off/standby, is it possible that the FlashCast overlay may only cover 1/4th the screen.
3. If you originally assign a device to the main company group, you can't unassign it. You can however, add it to other groups.



4. When the display is off and an Alert is posted. An Alert may not post to the device even if it has CEC support. CEC commands to turn on the display from an off/standby state do not work in all cases.
5. Multiple Alerts can show as the active Alert on the dashboard, even though only one alert can actually be active. The only active alert is the newest alert posted to the group. There is no way to clear old alerts, and each must be ended only way to stop it is to turn it off manually.
6. While the full page overlay can display more than 8 Lines on information, at this time text is truncated after the 8th line of text.
7. Red Dots or other display corruption can occur after a long time when an alert is posted.
8. The ticker will flicker as it scrolls. The white background is being erased and re-painted. This is being addressed



1.1.7 - Initial Release

Known Issues 1.1.7

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5. When registering a new device, there is an error where the IP address is shown instead of the Serial Number 10 seconds after booting. The Serial Number should still be used to register the device in the Device ID field in the online portal. It is located on the bottom of the physical device and the original box.



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