



Displays | Tablets | Solutions

FlashCast/Singlewire
InformaCast Integration Guide
v1.2.6

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

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



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Creating your account

This guide assumes the user already has a Mimo FlashCast account, and has units setup. This document is only the integration guide for use with Singewire InformaCast.

The complete User Guide can be downloaded here:

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



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.

InformaCast

singlewire

Search Sites

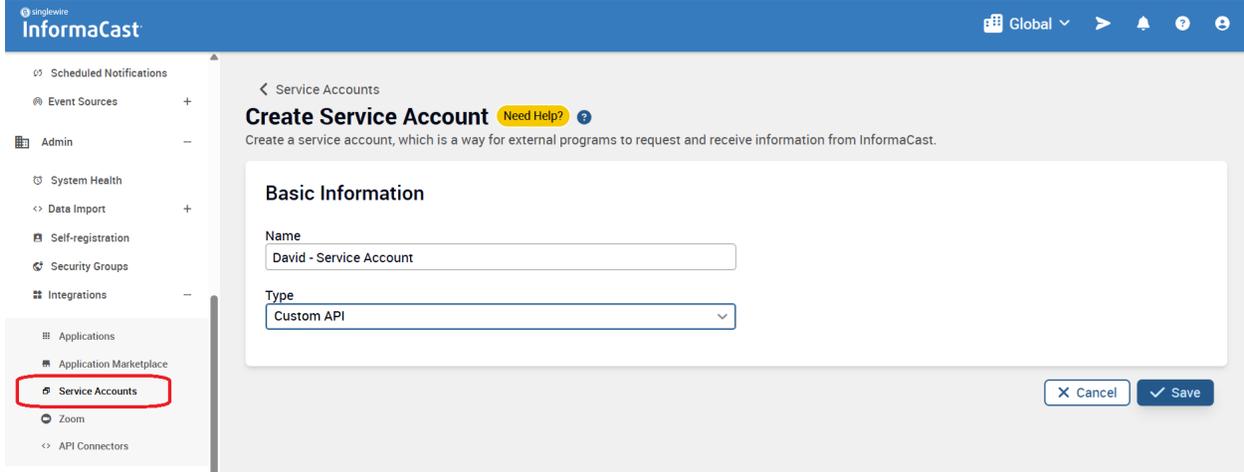
Sites

Sites are spaces of ground within your organization tied to a collection of site roles. These site roles may re

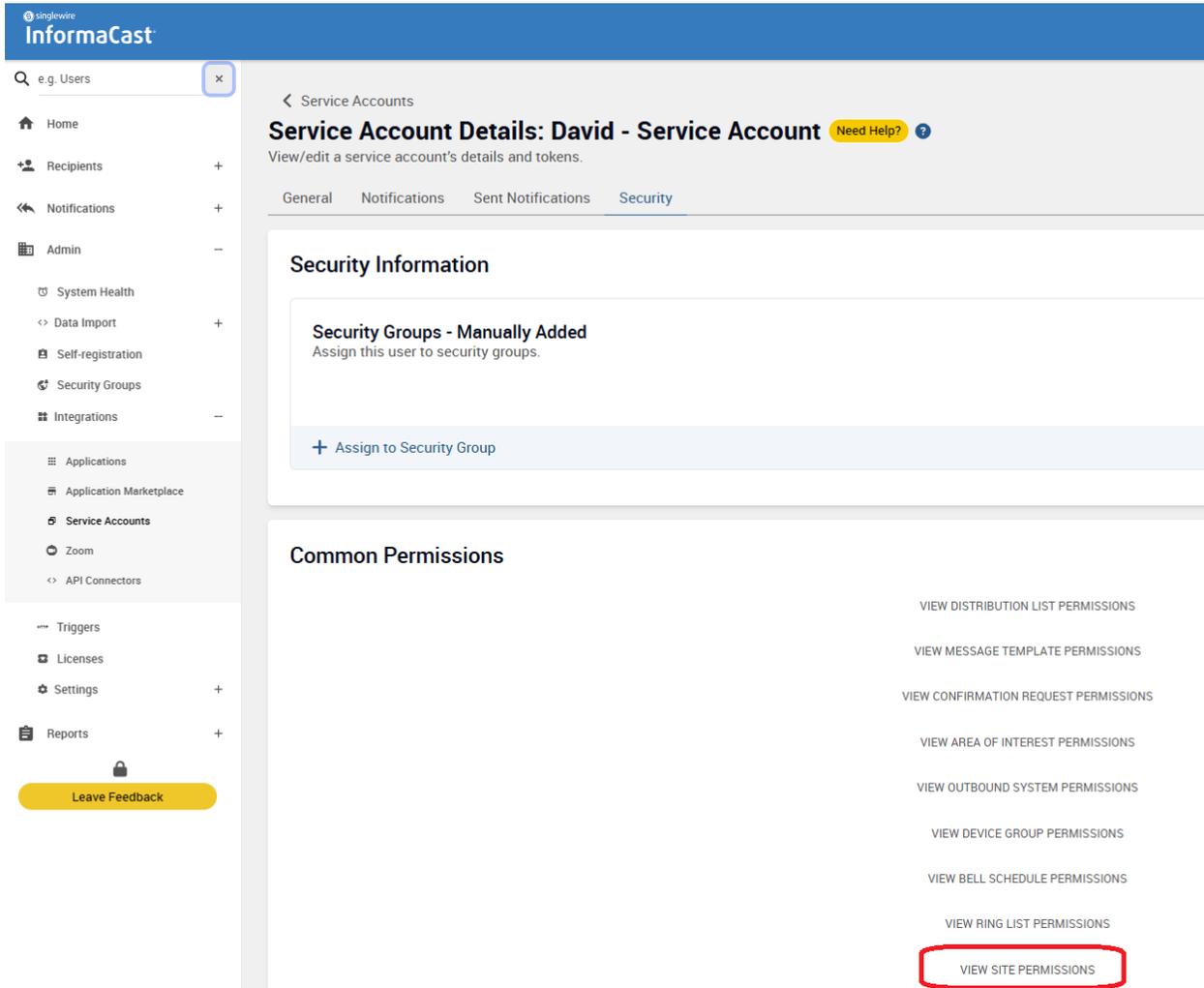
- Anirudh Test Site
- Dev Env
- singlewire site
- Singlewire Test Site
- test site Local Site
- test site Local Site
- Test Site 2 singlewire
- Test Site Fuji
- Test Site Fuji 2

Google

- 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'





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

< Service Accounts: David - Service Account

Site Permissions

View/manage common permissions, which are a more refined way of adding permissions to an application or user. In order to fully utilize Sites update functionality, it is recommended that the Notifications > Command Center > Site Roles > View global permission is also granted.

Done

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"/>

Rows per page: 10 | 1-8 of 8 << < > >>

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

InformaCast

Global

< Service Accounts

Service Account Details: David - Service Account

View/edit a service account's details and tokens.

General Notifications Sent Notifications **Security**

Security Information

Security Groups - Manually Added
Assign this user to security groups.

+ Assign to Security Group

Common Permissions

Global Permissions

Tokens

Search

+ Create Token

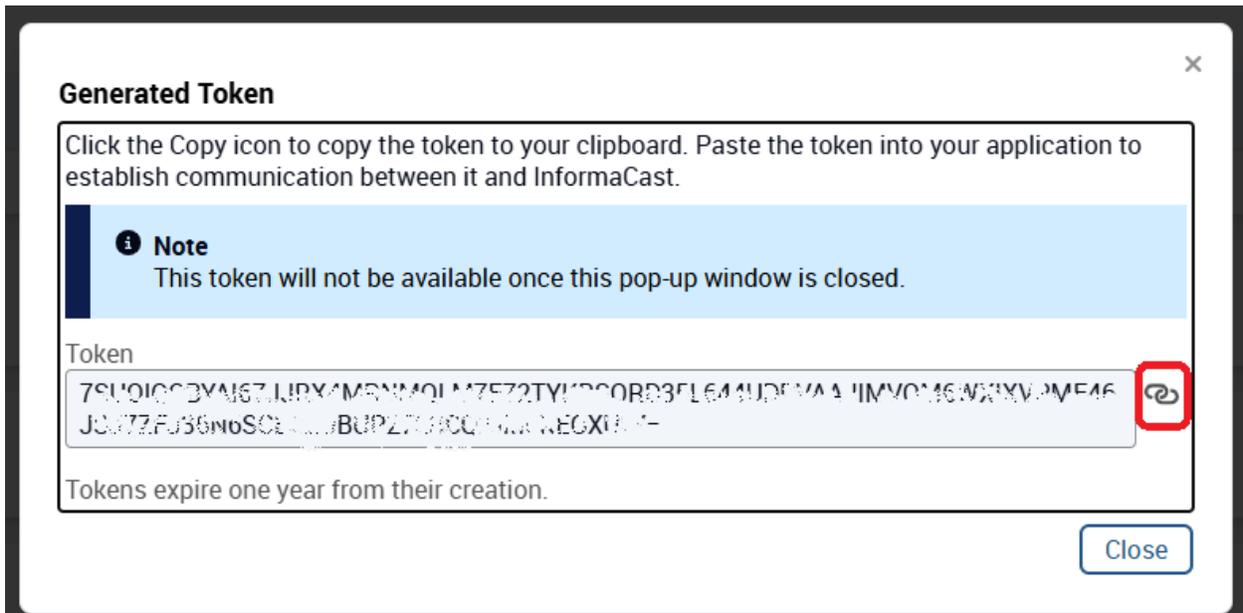
Note No Tokens

Rows per page: 10 | 1-0 of 0 << < > >>

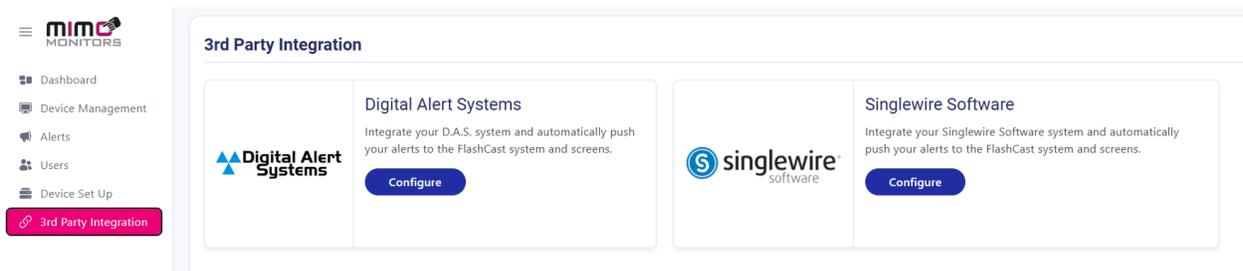
- Give the connector a name, and click Save



- Copy the token created



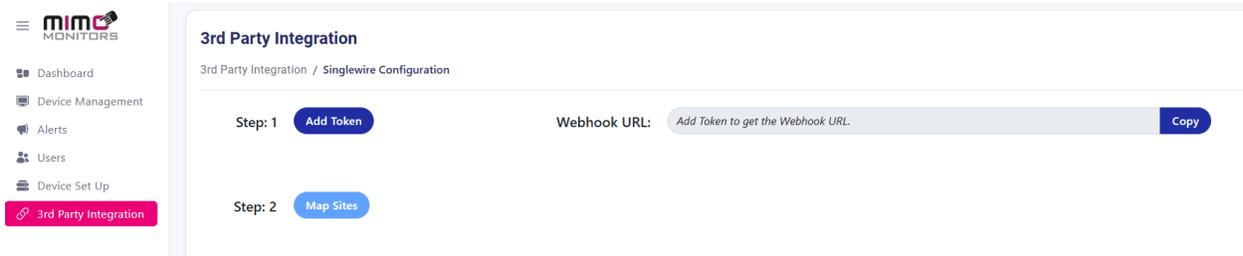
- Login to the FlashCast User Interface and select 3rd Party Integrations -> Singlewire Software





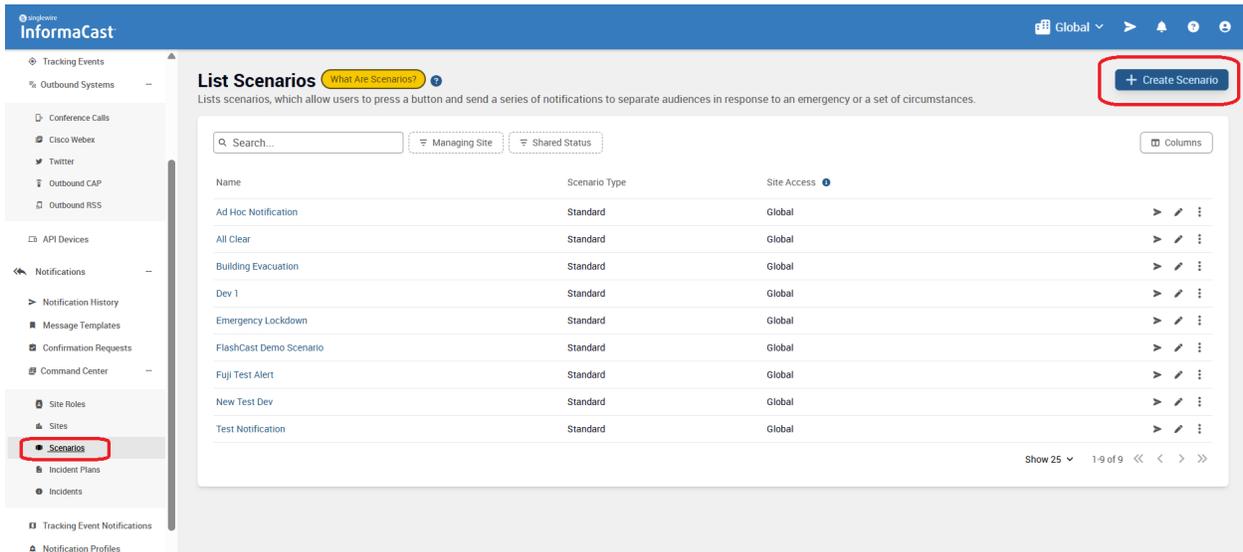
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- Click 'Add Token' and paste in the token copied from the Singlewire Portal

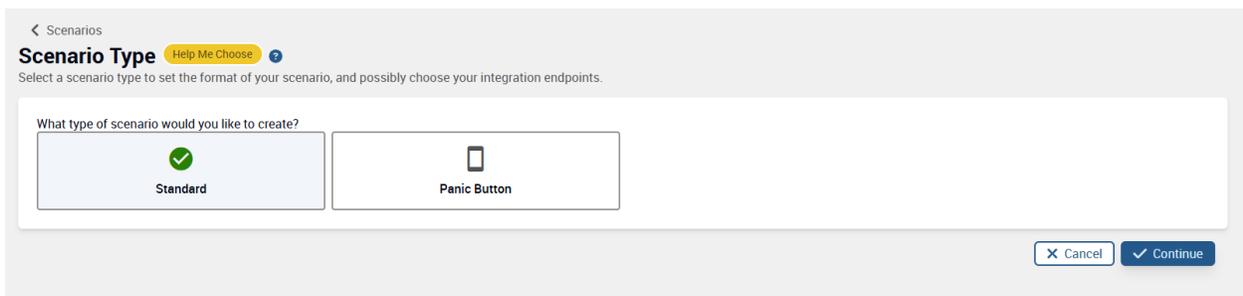


Be sure you receive the message that the token was validated successfully, and that the Webhook URL was populated

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



- Select Standard and Continue



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

< Scenarios

Scenario Details: Test Notification

View/edit a standard scenario, its details, button, questions, notifications, etc.

Scenario Setup

Name your scenario, set your display preferences for the button that users will press to initiate this scenario, and optionally add other scenario elements.

Name

Icon

Color

Scenario Button Preview

Test
Notification

Which scenario elements would you like to include in this scenario (optional)?

Sites

Keyboard Shortcuts

Scenario Questions

Instructions

Incident Plan

API Connector

- 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 Resourse: This is a singlewire alert from Testing team

Question 1

Type Variable Name

Title

Default Response (Optional)

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

Title Choose Template ID

Single Select Options

Option 1 1

Option 2 2

Option 3 3

Option 4 4

[+ Add Option](#)

[X 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	templated	

[+ Add Question](#)

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

Scenario Notifications

Select the notifications to be sent when this scenario is initiated, and set any message template overrides.

Notification 1

Name

Message Template
 ✕

Override Message Template
Override the selected message template's contents.

Subject

Text-to-speech content must not exceed 3,000 characters. [✦ Insert Variables](#)

Body

Text-to-speech content must not exceed 3,000 characters. [✦ Insert Variables](#)

Confirmation Request
 ✕

- Save and re-edit the notification, then go to API Connectors and click 'add API connector'
- Copy the Webhook URL from the FlashCast portal

3rd Party Integration

3rd Party Integration / Singlewire Configuration

Step: 1 Update Token Webhook URL:

Step: 2 Map Sites

- Paste the Webhook URL into in the Singlewire URL

Edit an API Connector

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

Name

Description (Optional)

Type

Method

[Insert Variables](#)

Expire After ⓘ

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

- 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

Method Webhook URL
[Insert Variables](#)

Expire After

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

```
{  
  "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



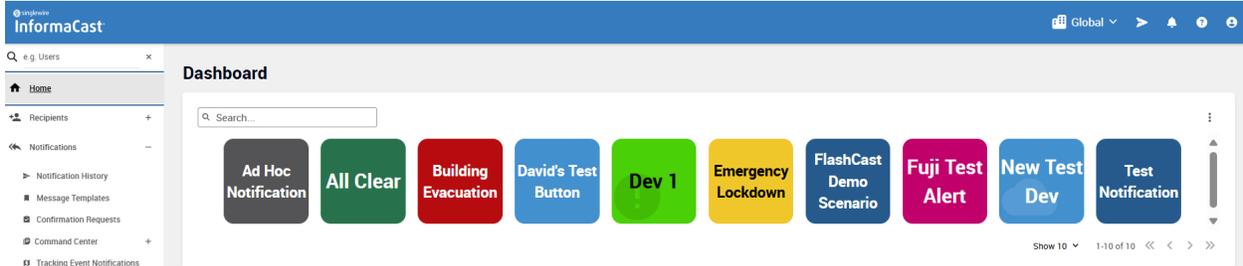
Singlewire Site	FlashCast Group
Anirudh Test Site	Mimo Monitors ▾
singlewire site	Select Group ▾
test site	Select Group ▾
test site	Select Group ▾
Test Site 2 singlewire	Select Group ▾
Test Site Fuji	Select Group ▾

Cancel

Save

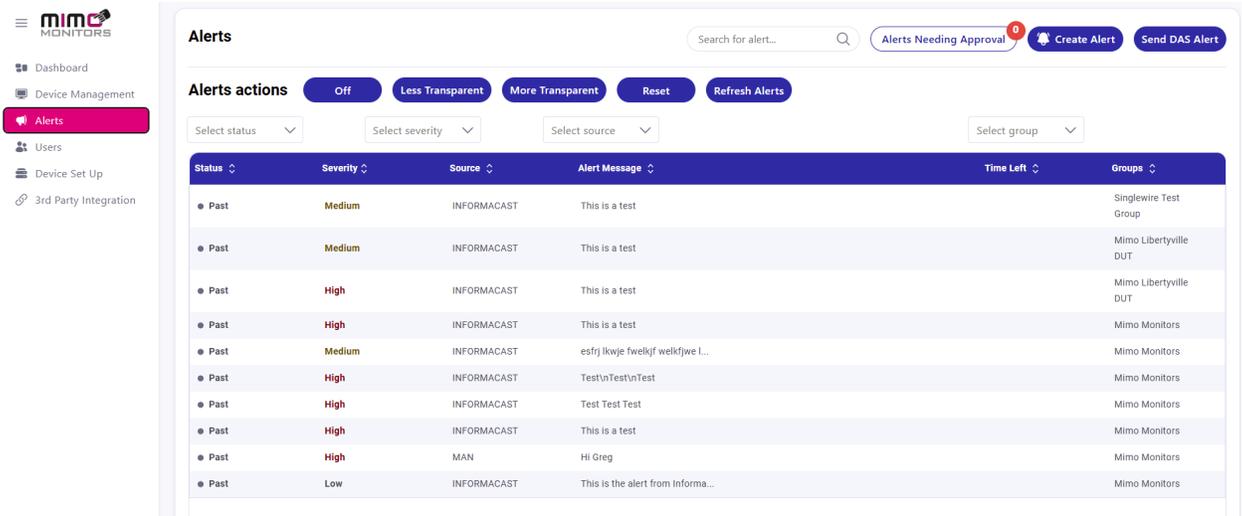
Step 3 : Create and send notification from Singlewire InformaCast using scenarios

- 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 updation.

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

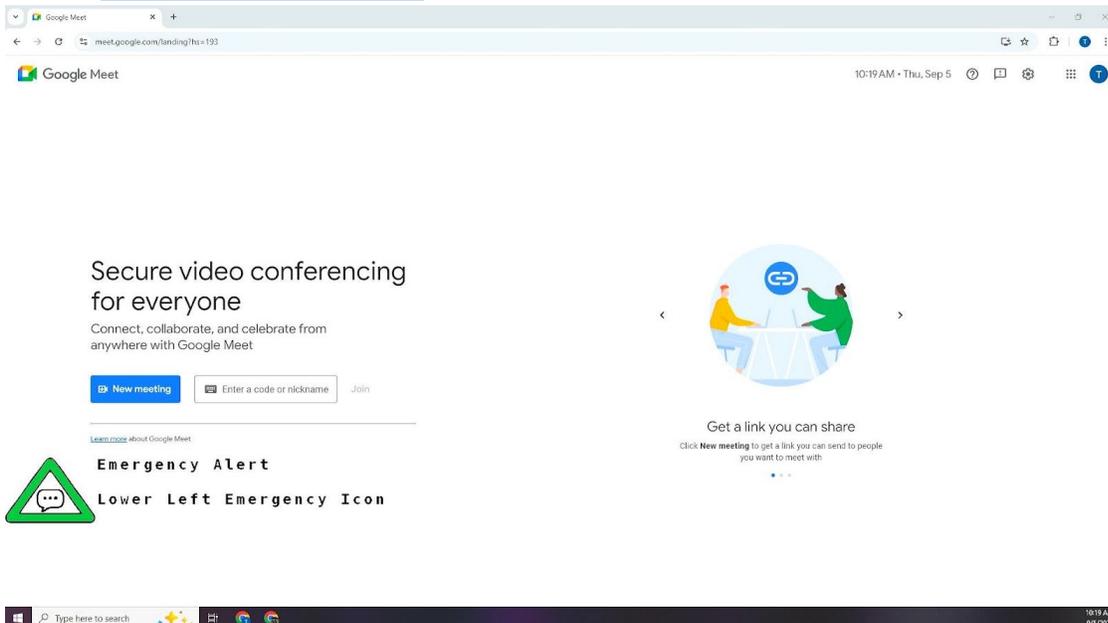
- The user can map one FlashCast Group to only one Site.
- Multi-line text is not supported unless the text is manually edited as part of a fixed 'body'
- The token will expire in one year, the user needs to update it after every year.
- From the Singlewire InformaCast portal, whenever a user sends an 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

Template Samples and corresponding numbers

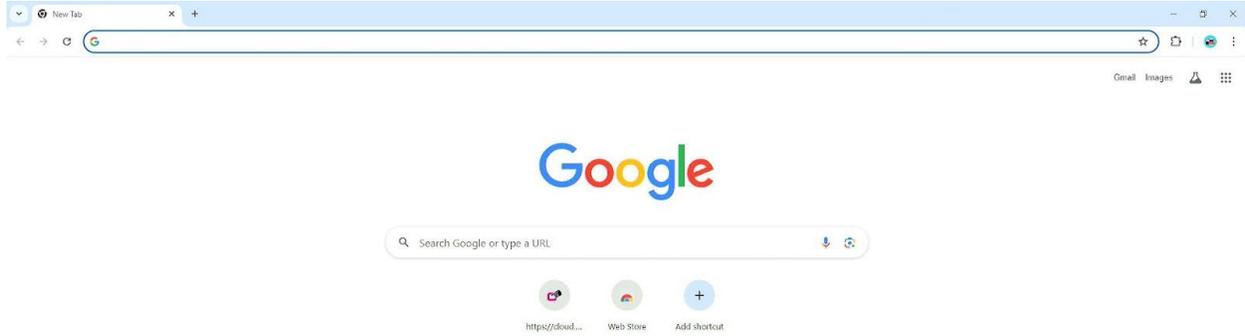
1. [Full Page](#)



2. [Lower Left icon with Text](#)



3. [Ticker](#)



Non - Emergency Alert

This Ticker Text Is Scrolling From Right to Left. It Will Loop Back On Itself This Ticker T



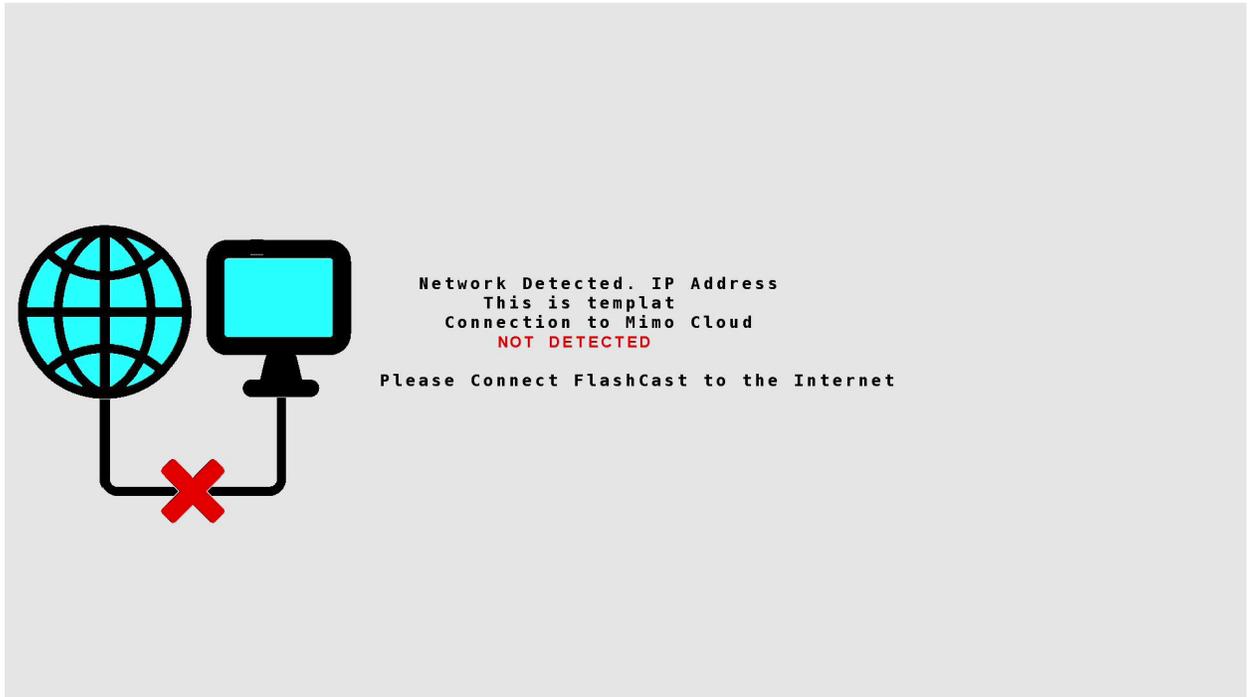
4. Mimo (or other) lower right icon. No text



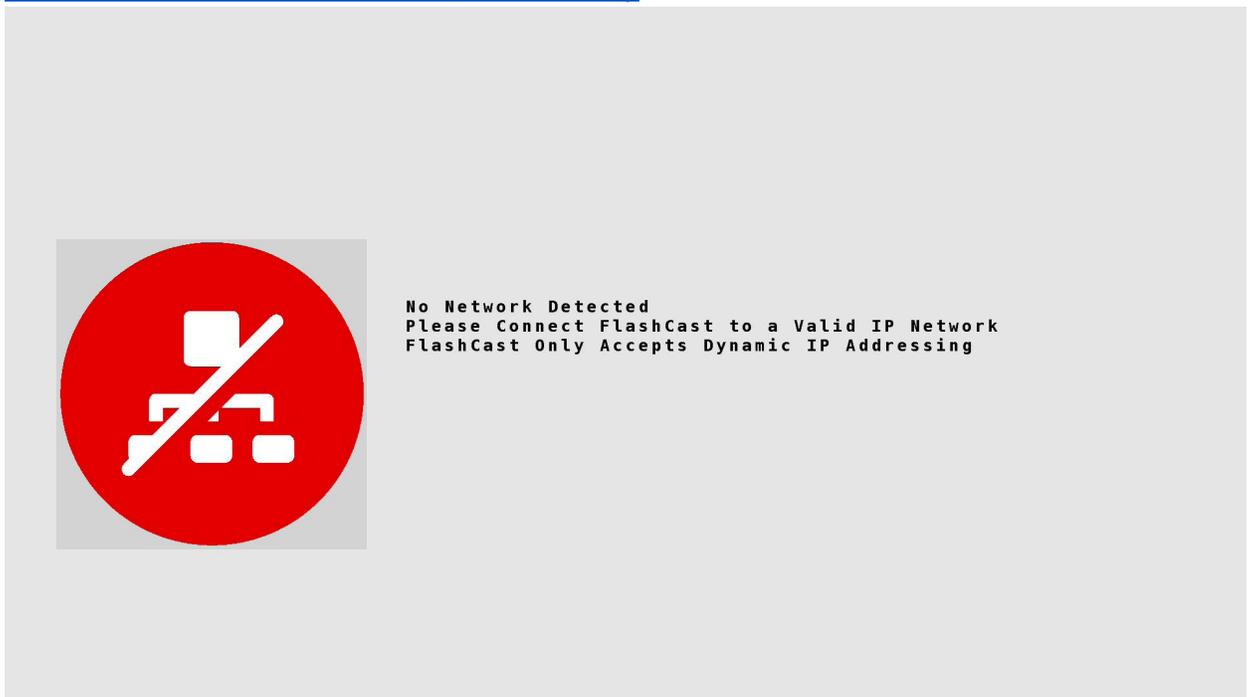
5. Turn alert off

6. Do not use - (Same as 3/ticker, but for special case)

7. Do not use - For the Out Of Box Experience Only



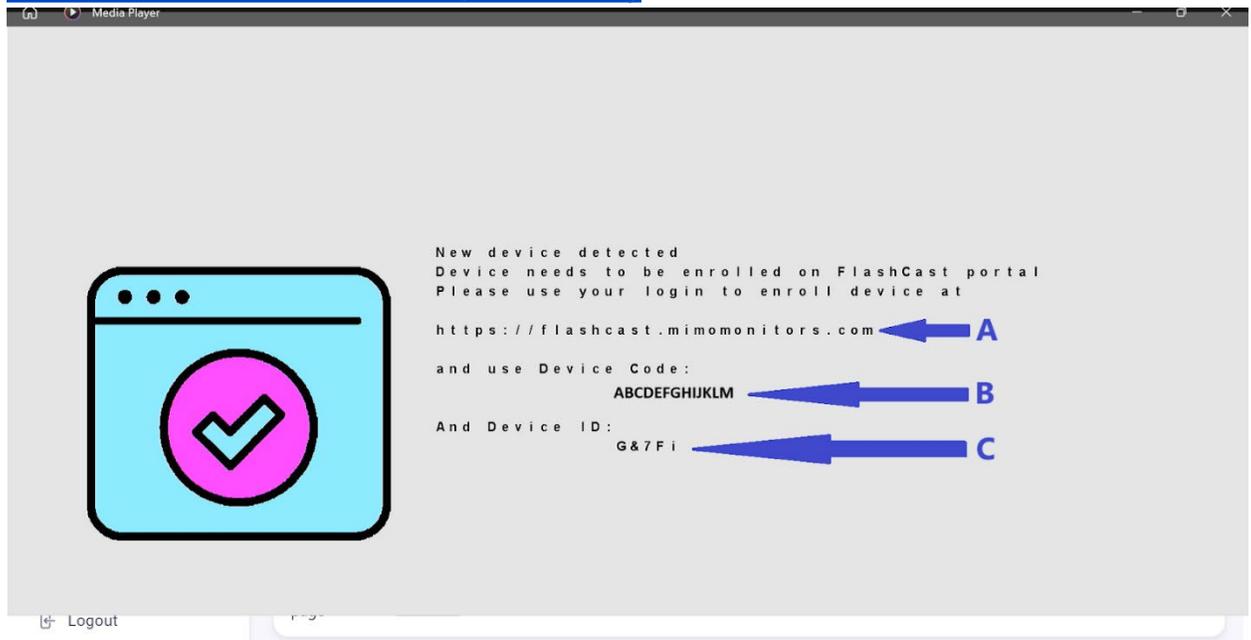
8. [Do not use - For the Out Of Box Experience Only](#)



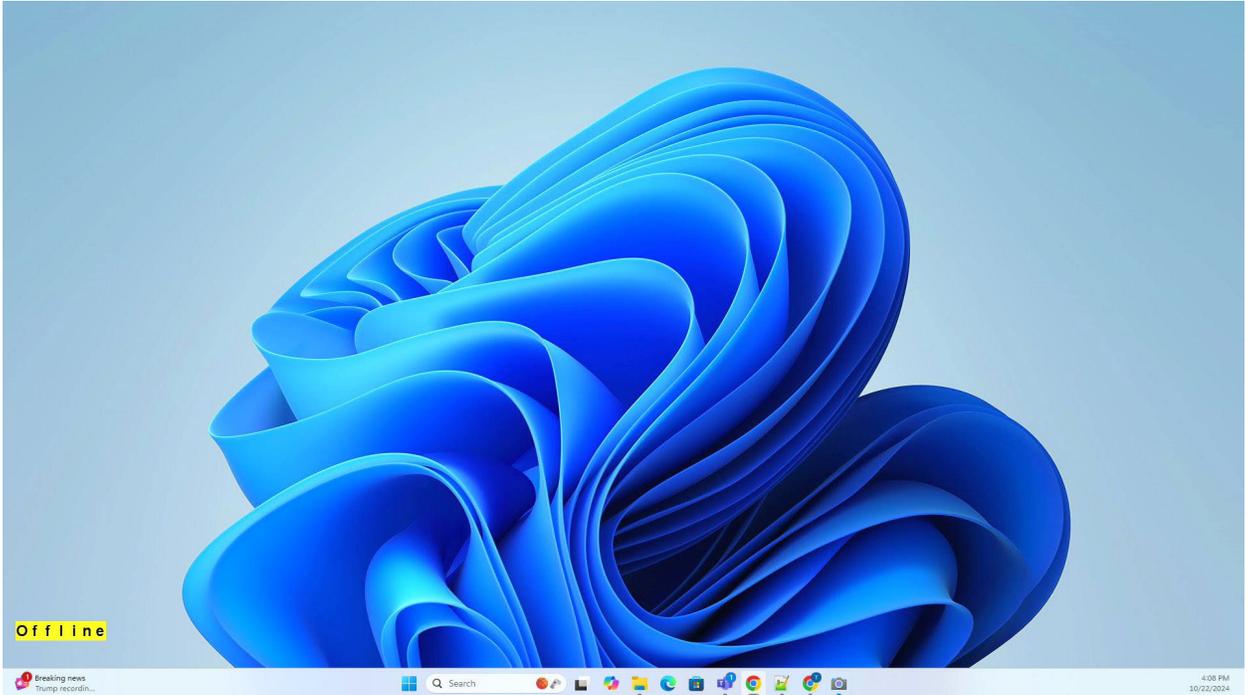
9. [Do not use - For the Out Of Box Experience Only](#)



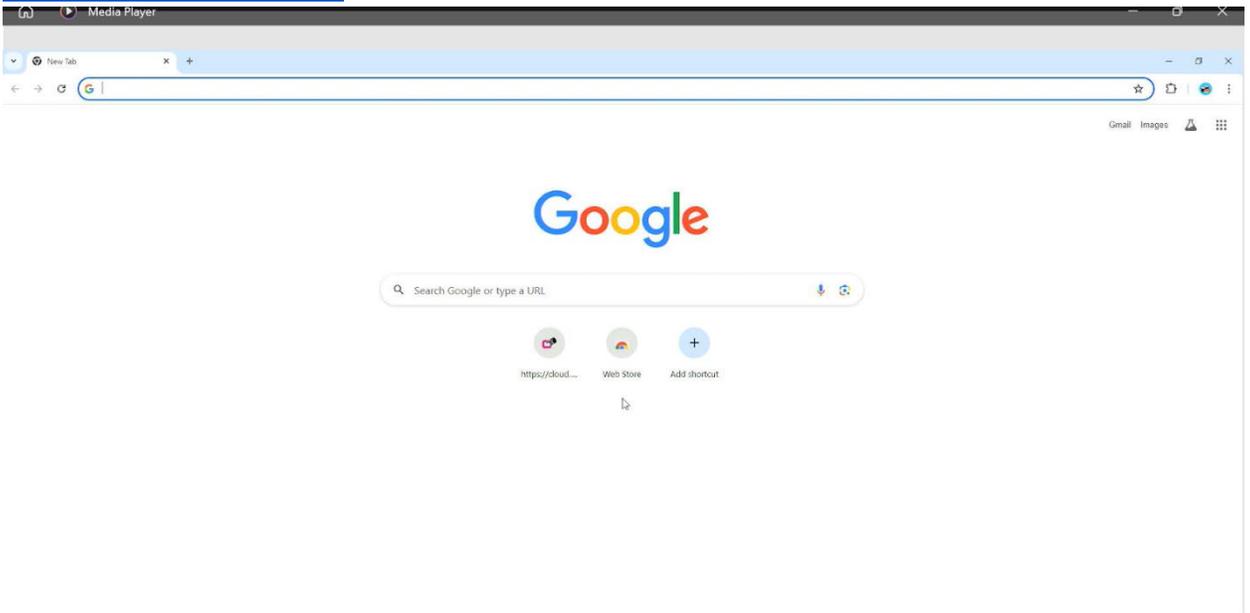
10. Do not use - For the Out Of Box Experience Only



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 on screen](#)



14. Top of Page Ticker with very large font

