

Singlewire InformaCast Configuration Report

Customer Sample

As-Built Documentation for project

9 December 2025



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1 Report Information

InformaCast Advanced Notification is a software solution developed by Singlewire Software that enables Cisco telephone systems and connected appliances to broadcast notifications via audio message and text message. InformaCast allows messaging an unlimited number of Cisco IP Phones, IP Speakers. Messages can be via text message, live audio, pre-recorded audio or text to speech audio.

The software manages lists of users who can send broadcasts, and devices to send broadcasts to. Users and devices can be sorted into groups depending on situations and who needs to see the message. Messages can be pre-built with text audio and images, or built when needed. Then with the press of a button, messages are sent to groups of users via SMS text, email, phone calls and on-premises devices such as desk phones, IP speakers, desktop computers and more for maximum reach.

In the context of Cisco Unified Communications Manager, 2 different licenses are available: Basic Paging is supplied through an OEM agreement with Cisco, and this can be upgraded to the Advanced Notification package. With the basic license, access to configuration information is heavily reduced. We are unable to provide a complete report.

1.1 Report Generation

This configuration report lists all configuration settings for the Singlewire InformaCast setup.

Report Info	
Report Date	09-Dec-25 12:57:06 PM
Report generated for	Customer Sample
Description	As-Built Documentation for project
Server Info	
InformaCast Version	15.4.1
InformaCast License Type	Advanced
InformaCast IP	10.5.1.158
Report Settings	
Report Type	Direct Report
Visual Style	Blu Dark.css
Report Content	All objects
Template HTML	InformaCastreportTemplate.htm
Template Word	Squares_RightSidebar_Grey.doc
Report Tool Info	
Report Tool Version	15.0.8 / ?? Dec 2025
Report Tool License	Licensed [Ent all]

2 Home

The Home section provides essential system information and status for the InformaCast server deployment. This includes comprehensive platform health monitoring, version details, and licensing information that enables administrators to quickly verify system configuration and operational status.

This section contains:

- Overview - Complete system status dashboard with server health, phone statistics, CUCM clusters, CTI ports, and speaker registration
- Platform - Product name, version, build number, and version bundle identification
- Licensing - License mode, expiration dates, feature codes, application parameters, and plugin licenses

2.1 Overview

The Platform Overview provides a comprehensive system status dashboard showing InformaCast server health and configuration across multiple components. This includes server version information, licensing status, backup configuration, SLP and LDAP integration status, SIP user agent status, multicast port allocation, and JTAPI settings.

The section also displays phone update schedules and statistics (rebuild/refresh status, phones retrieved, phones used versus licensed), configured Cisco Unified CM clusters with their CTI provider details, active CTI ports and route points, SIP account status, and speaker registration statistics. This centralized view summarizes the overall platform health and configuration status.

Platform Overview				
Section	Details			
InformaCast Server	Version	15.4.1		
	Application Mode	Stand-alone		
	License	Sales Demo license		
	Maintenance Contract	None		
	License Expiration	None		
	License ID	None		
	License Renewal Status	None		
	Backup Activated	N		
SLP Parameters	SLP Enabled	N		
	Publish Speaker Config URL	N		
	Publish SOAP API	N		
LDAP	LDAP Authentication Enabled	N		
	LDAP Grouping Enabled	N		
	Next LDAP Phone Update	2025-12-10T03:40:00.000-0600		
SIP	User Agent Status	User Agent is running		
	Calls	None		
	SIP Accounts	No		
Multicast Ports	Number of Ports Configured	301		
	Audio Broadcast Ports	0		
	Talk and Listen Message Ports	0		
	Number of Unused Ports	301		
JTAPI	JTAPI Version	Cisco Jtapi version 15.0(1.12900)-5 Release		
	Send Commands by JTAPI	N		
	Create Telephony Terminals for All Phones	N		
	Maximum Devices per Provider	800		
	Terminals Created	0		
Phone Updates	Last Attempted Rebuild	2025-12-07T03:10:00.002-0600		
	Last Successful Rebuild	2025-12-07T03:10:30.130-0600		
	Next Phone Rebuild	2026-01-02T11:10:00.000-0600		
	Last Attempted Refresh	Never		
	Last Successful Refresh	Never		
	Phones Retrieved	0		
	Phones Used/Licensed	0/250		
	Refresh Interval (minutes)	Disabled		
Cisco Unified CM Clusters	Description	CTI Provider Secure	CTI Provider	Version
	CUCM230	N	Unknown	Unknown

Platform Overview	
Section	Details
CTI Port	Status: No Data
Route Point	Status: No Data
SIP Accounts	Note: See 'System Administration > Telephony > SIP > Accounts' section for details
Speakers	Number of Speakers Configured: 1
	Number of Speakers Registered: 0
	Number of Licensed Speakers: 15

2.2 Platform

The Platform Overview displays essential system information about the InformaCast server installation including product name, version, build number, and version bundle hash. This section provides quick identification of the deployed InformaCast platform version and build details.

Platform	
Product	InformaCast
Full Name	InformaFusion
Application	IF
Version	15.4.1
Build	193
Version Build	IF15.4.1193
Version Build Hash	efb7154d55d485b3f8f4d8fbb17f64a7

2.3 License

The Licensing section displays comprehensive InformaCast license information including license mode (Purchased, Subscription, Sales Demo, or Basic Paging), licensee details, expiration dates, and application parameters. This includes limits on phones, IP speakers, bell schedules, and feature codes such as Audio and Message Confirmation capabilities.

For v15 systems, plugin licenses are also displayed showing the licensing status for all available plugins including CallAware, Conference Call, LPI (Legacy Paging Interface), Night Bell, Park and Page, and others. Each plugin license shows maximum triggers or instances allowed and expiration dates where applicable.

Licensing	
Overview	
Application	InformaCast
Licensee	IC v15x Demo ID B0NVUURJMPKA 10.5.1.158 (Phones 250 0 IP Speakers, 15 LPI) EXP 12/3/2026 UPLINX Software Demo InformaCast EX Non-Subscription + LPI Contract Number: 00020749
Issuer	Jess Boegel
License ID	B0NVUURJMPKA
Created	Dec 4, 2025, 2:38:11 PM
License Manager URL	http://10.5.1.158:8101/LicenseManager
License Manager Available	Y
License Renewal Status	Update not required. Sales Demo license is present.
Server IP Address	
License Terms	
License Mode	Sales Demo
In Trial Mode	N
Expiration	Dec 2, 2026, 6:00:00 PM
In Grace Period	
Grace Expiration	None

Feature Codes	
Feature Codes	Audio MessageConfirmation
Application Parameters	
Functionality	Advanced
Maintenance Contract	00020749
Max Bell Schedules	50
Max IP Speakers	15
Max Phones	250
Plugin Licenses	
CallAware	Licensed (expires: Dec 2, 2026, 6:00:00 PM)
ConferenceCall	Licensed (expires: Dec 2, 2026, 6:00:00 PM)
InboundEmail	Licensed (expires: No expiration)
InboundCAP	Licensed (expires: Dec 2, 2026, 6:00:00 PM)
LPI	Licensed (expires: Dec 2, 2026, 6:00:00 PM)
M2M	Licensed (expires: Dec 2, 2026, 6:00:00 PM)
NightBell	Licensed (expires: Dec 2, 2026, 6:00:00 PM)
OutboundEmail	Licensed (expires: No expiration)
ParkAndPage	Plugin not licensed
PrayerTimes	Licensed (expires: Dec 2, 2026, 6:00:00 PM)
QuickURL	Licensed (expires: No expiration)
InboundRSS	Licensed (expires: No expiration)
Script	Licensed (expires: No expiration)
WordPress	Licensed (expires: No expiration)

3 Broadcasts

The Broadcasts section contains all message configurations that can be sent to recipients through InformaCast. Messages are the core content templates used for emergency notifications, scheduled announcements, and routine communications delivered to phones, speakers, desktop notifiers, and other connected devices.

This section contains:

- Messages - Configured broadcast messages with audio files, text content, priority levels, and customization settings







3.1 Messages




The Broadcast Messages section displays all configured InformaCast messages including their descriptions, content type (audio, text, or both), duration, priority levels, and associated audio files. Each message shows its short text, long text, text-to-speech (TTS) settings, and whether it is customizable for dynamic content insertion during broadcast.




Messages can be audio-only, text-only, or contain both components, and may include message confirmation requirements, panic button functionality, and icon assignments for visual display on compatible devices.


Messages		
Name	Message Information	
Basic Paging Live Broadcast	General	
	Description	Basic Paging Live Broadcast
	Short Text	
	Customizable	N
	Message Type	Live Audio
	Audio	
	Delivery	Synchronized
	Activation Alert	
	Pre Tone	No Audio
	Post Tone	No Audio

Messages																																																			
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	<table border="1"> <tr><td>Wait Time</td><td>5</td></tr> <tr><td>Skip Phones in Use</td><td>Y</td></tr> <tr><td>Play Volume</td><td>As-Is</td></tr> <tr><td>Message Priority</td><td>2</td></tr> <tr><td>Replay Enabled</td><td>N</td></tr> <tr><td colspan="2">Scripting</td></tr> <tr><td>Data Setup</td><td>Empty</td></tr> <tr><td>Audio Replacement</td><td>Empty</td></tr> <tr><td>Send in Progress</td><td>Empty</td></tr> </table>	Wait Time	5	Skip Phones in Use	Y	Play Volume	As-Is	Message Priority	2	Replay Enabled	N	Scripting		Data Setup	Empty	Audio Replacement	Empty	Send in Progress	Empty																																
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	Scroll Speed	5	
	Icon	A 1.0kB icon file is present: warn.png	
	Icon Type	Other	
	Icon Image		
	Audio		
	Delivery	Synchronized	
	Activation Alert		
	Pre Tone	A 2-second audio message is present.	
	Post Tone	No Audio	
	Wait Time	5	
	Skip Phones in Use	N	
	Play Volume	As-Is	
	Message Priority	2	
	Replay Enabled	N	
	Re-broadcasting		
	Re-broadcast	N	
	Re-broadcast Until Stopped	N	
	Broadcast Count	1	
	Pause	0	
	Scripting		
	Data Setup	Empty	
	Audio Replacement	Script File Attached	
	Send in Progress	Empty	
	Example Ring tone - Bell 1	General	
		Description	Example Ring tone - Bell 1
		Short Text	
		Customizable	N
		Message Type	Pre-Recorded Audio
Allow Customization		N	
Audio			
Delivery		Synchronized	
Activation Alert			
Pre Tone		No Audio	
Post Tone		No Audio	
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Messages			
Name	Message Information		
	Text Length	55/0	
	Scroll Duration	3 Repetitions	
	Scroll Speed	5	
	Icon	A 4.0kB icon file is present: singlewire-logo.png	
	Icon Type	Other	
	Icon Image		
	Audio		
	Delivery	As Available	
	Activation Alert		
	Pre Tone	No Audio	
	Post Tone	No Audio	
	Play Time	14	
	Skip Phones in Use	N	
	Play Volume	As-Is	
	Message Priority	2	
	Replay Enabled	N	
	Re-broadcasting		
	Re-broadcast	N	
	Re-broadcast Until Stopped	N	
	Broadcast Count	1	
	Pause	0	
	Scripting		
	Data Setup	Empty	
	Audio Replacement	Empty	
	Send in Progress	Empty	
	Example Singlewire Test Alert	General	
		Description	Example Singlewire Test Alert
Short Text		--This is a test--	
Customizable		N	
Message Type		Text and Pre-Recorded Audio	
Require Confirmation		N	
Text			
Persistent Text		True	
Concatenate Text		False	
Short Text		--This is a test--	
Long Text		--This is a test. This is only a test.--	
Text Length		18/40	
Scroll Duration		3 Repetitions	
Scroll Speed		5	
Icon		A 4.0kB icon file is present: singlewire-logo.png	
Icon Type	Other		

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	Audio	
	Delivery	As Available
	Activation Alert	
	Pre Tone	No Audio
	Post Tone	No Audio
	Play Time	12
	Skip Phones in Use	N
	Play Volume	As-Is
	Message Priority	2
	Replay Enabled	N
	Re-broadcasting	
	Re-broadcast	N
	Re-broadcast Until Stopped	N
	Broadcast Count	1
	Pause	0
	Scripting	
	Data Setup	Empty
	Audio Replacement	Empty
	Send in Progress	Empty
	Example Winter Weather	General
Description		Example Winter Weather
Short Text		There is severe winter weather in the area at \${time} on \${date}.
Customizable		N
Message Type		Text
Require Confirmation		N
Text		
Persistent Text		True
Concatenate Text		False
Short Text		There is severe winter weather in the area at \${time} on \${date}.
Long Text		
Text Length		65/0
Scroll Duration		3 Repetitions
Scroll Speed		5
Icon		A 3.0kB icon file is present: snowstorm.png
Icon Type		Other
Icon Image		
Re-broadcasting		
Re-broadcast		N
Re-broadcast Until Stopped		N
Broadcast Count	1	
Pause	0	
Scripting		

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4 Broadcast Triggers

Broadcast Triggers enable automatic message delivery based on various event sources and scheduled activities. These triggers monitor external systems, phone events, and time-based schedules to initiate InformaCast broadcasts

without manual intervention, providing automated emergency response, routine announcements, and scheduled notifications.

This section contains:

- Event Sources - Plugin-based triggers that monitor external events and phone activities to automatically initiate broadcasts
- Bells - Scheduled broadcast automation including bell schedules, ring lists, and time-based announcement delivery LI>Broadcast Schedules enable the automated delivery of InformaCast messages at specific dates and times

4.1 Event Sources

Event Sources provide plugin-based integrations that automatically trigger InformaCast broadcasts based on monitored events from external systems and telephony activities. Each plugin monitors specific event types and initiates configured message broadcasts to designated recipient groups when trigger conditions are met.

Available event source plugins include:

- CallAware - Call recording and call redirection triggers for emergency call monitoring and routing
- DialCast - Dial-in triggers that send broadcasts when specific SIP numbers are dialed
- Inbound CAP - Common Alerting Protocol message reception for external alert integration
- Inbound Email - Email-triggered broadcasts based on monitored email accounts
- Inbound RSS - RSS feed monitoring for automated content-based notifications
- M2M Contact Closures - Hardware contact closure monitoring for physical switch integration
- Night Bell - CTI port monitoring for after-hours call handling and redirection
- Park and Page - Call park code monitoring for overhead paging initiation

Plugin licenses required for most event sources

4.1.1 CallAware

CallAware is primarily used to detect when a 911 call has been dialed, which then triggers an InformaCast broadcast. It can also be used to detect calls to numbers other than 911, monitor calls that have been detected, and record those calls. For example, you could use it to trigger an InformaCast broadcast whenever someone calls the Front Desk, and a supervisor could elect to monitor those calls for quality assurance or record them for review at a later date.

In this section you will find:

- Call Redirects
- Routing Requests
- Locations
- Configuration

4.1.1.1 Call Redirects

Before CallAware can begin routing calls to Cisco IP phones for Unified CM, you must create call redirects. You only need to work with call redirects if you have configured Cisco Unified CM to use CTI; that use Route Point Name and the DN field. If you want to use routing requests, go to Manage Routing Requests.

The following call redirects are configured:

Groups		
Name	Details	
CallAware1	Name	CallAware1
	Route Point Name, DN	RP1,1000
	Redirect Call to DN	1000
	Using Phone CSS	False
	Record Call	N

Groups											
Name	Details										
	<table border="1"> <tr> <td>Recording Tone</td> <td>Calling Phone Only</td> </tr> <tr> <td>Message</td> <td>Example failed mail server</td> </tr> <tr> <td>Recipient Groups</td> <td>Group1</td> </tr> <tr> <td>Short Text</td> <td></td> </tr> <tr> <td>Long Text</td> <td></td> </tr> </table>	Recording Tone	Calling Phone Only	Message	Example failed mail server	Recipient Groups	Group1	Short Text		Long Text	
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Short Text											
Long Text											

4.1.1.2 Routing Requests

A routing request contains routing instructions for calls observed on a particular transformed called DN, and it specifies the type of broadcast that should be triggered (and its customization, if allowed), and designates whether the call is recorded.

There are two ways of configuring Cisco Unified Communications Manager for use with CallAware: Computer Telephony Integration (CTI) and/or External Call Control (ECC). You only need to work with routing requests if you have configured Cisco Unified CM to use ECC. If you want to use call redirects, go to Manage Call Redirects.

The following routing requests are configured:

CallAware Routing Requests																					
Name	Details																				
CallAware Routing Request	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Name</td> <td>CallAware Routing Request</td> </tr> <tr> <td>Transformed Called DN</td> <td>1111</td> </tr> <tr> <td>Record Call</td> <td>Y</td> </tr> <tr> <td>Recording Tone</td> <td>Calling Phone Only</td> </tr> <tr> <td colspan="2">Message</td> </tr> <tr> <td>Message</td> <td>Example Monthly Meeting</td> </tr> <tr> <td>Recipient Groups</td> <td>Group1</td> </tr> <tr> <td>Short Text</td> <td>None</td> </tr> <tr> <td>Long Text</td> <td>None</td> </tr> </table>	General		Name	CallAware Routing Request	Transformed Called DN	1111	Record Call	Y	Recording Tone	Calling Phone Only	Message		Message	Example Monthly Meeting	Recipient Groups	Group1	Short Text	None	Long Text	None
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4.1.1.3 Locations

CallAware locations allow you to add geographical or situational details to aid in identifying the whereabouts of a phone that triggered a CallAware broadcast, e.g. Madison Office or Reception Desk.

A location can identify a single phone or multiple phones, e.g. the Reception Desk's phone or all of the Madison office's phones, and the number of phones affects your location's configuration:

- A single-phone location consists of a description and an IPv4 address.
- Multiple-phone locations consist of a description, an IPv4 subnet, and CIDR notation.

The following CallAware locations are configured:

< No records found >

4.1.1.4 Configuration

After you've configured CallAware's Cisco Unified Communications Manager environment, you'll need to configure its communication with Cisco Unified CM, set the amount of time for which CallAware will retain call history, and set your default location.

Configuration	
CallAware Configuration	
Call History Retention Period (days)	90
Default Location	Unknown Location
CallAware CUCM Configuration	

Application User	ctiUser
CUCM IP Address Location	127.0.0.1
CUCM Cluster Role	Stand-alone

4.1.2 DialCast

DialCasts allow you to dial a SIP number to trigger an InformaCast broadcast. This SIP number is matched with a configured dialing pattern that also determines the InformaCast message to be sent and the recipient groups to receive it. Once you have dialing configurations set up, you can also selectively exempt some/many of them from your global settings through phone exceptions.

In this section you will find:

- Dialing Configurations
- Phone Exceptions

4.1.2.1 Dialing Configurations

DialCast Dialing Configurations define the SIP dialing patterns that trigger automated InformaCast broadcasts. Each configuration maps a specific dialed number or number pattern to an InformaCast message and recipient groups, enabling users to initiate pre-configured notifications by simply dialing a designated extension from any SIP-enabled phone.

Groups		
Name	Details	
87777	Dialing Pattern	87777
	Authentication Method	None
	Message Type	Select an existing message
	Message	Example Ring tone - Bell 1
	Recipient Groups	
	Recipient Group Name Format	RG1*
	Dial Codes	87777
	DNs	8886

4.1.2.2 Phone Exceptions

Phone exceptions selectively exempt some/many of them from your DialCasts settings.

The following Phone exceptions are configured:

Groups		
Name	Details	
555.*	Dialing Pattern	555.*
	Override Authentication Method	N
	Override Voice Menu	Y
	Enable Greeting	Y
	Break Key Enabled	Y

4.1.3 Inbound CAP

Inbound CAP (Common Alerting Protocol) allows you to trigger broadcasts when CAP alerts that match rules you define are sent by data sources you configure. InformaCast monitors your configured data sources, e.g. CAP feeds from public safety organizations. When these organizations send a CAP alert that matches a data source being monitored, InformaCast "sees" the alert and compares its information with the criteria you have configured within your inbound CAP message rules, e.g. the text CAP alerts must contain along with their language, location, and category. If the CAP alert matches your rule's criteria, the message assigned to your message rule is sent out to its recipients.

In this section you will find:

- Message Rules

- Data Sources
- Configuration and Inbound CAP Message Service

4.1.3.1 Message Rules

Message Rules pull in every single current CAP alert they can find. It is unlikely that you want to create an InformaCast broadcast for every CAP alert received; instead, you can create message rules including filters to define the CAP alerts InformaCast will rebroadcast.

The following Message Rules are configured:

Message Rules		
Name	Details	
CAP Message Rule 1	General Details	
	Name	CAP Message Rule 1
	Recipient Groups	Group1
	Override Message with CAP Text?	N
	Message	Example Ring tone - Bell 2
	Short Text	
	Long Text	
	Build Rule	
	Logic Type	And

4.1.3.2 Data Sources

Data sources allow you to define the RSS/ATOM feeds you want Inbound CAP to poll for CAP alerts. Every 60 seconds, each data source will be polled to see if there are any new alerts that must be processed, and you can configure Inbound CAP to poll as many feeds as you like. If the same CAP alert is received from multiple data sources, it will only become part of an InformaCast broadcast once to avoid duplicating broadcasts.

The following Data sources are configured:

< No records found >

4.1.3.3 Configuration

The areas from which you receive CAP messages can be defined by latitude/longitude coordinates on the globe. Geographic definitions are a way for you to define this area of interest in Inbound CAP.

Inbound CAP polls data sources to see if there are new alert messages that need to be processed. This is referred to as a polling method for getting CAP alerts into InformaCast. Another method, using the Inbound CAP Message Service (ICMS), is referred to as a push method of getting CAP alerts into InformaCast. If you have a device that generates CAP messages and can POST them via HTTPS, you can start the ICMS and listen for messages that other devices push to it.

Inbound CAP > Configuration	
Geographic Definition	
Language	
Default Language	
Language	
Inbound CAP Message Service (ICMS)	
Username	
Status	Running
Port	8201

4.1.4 Inbound Email

Inbound Email events send a broadcast when an email is received by a monitored email account.

In this section you will find:

- Email Accounts
- Inbound Email Broadcasts

4.1.4.1 Email Accounts

Inbound Email allows you to initiate InformaCast broadcasts upon receipt of an email from a monitored email account. Once you have an email account set up, you can configure email broadcasts, which contain rules for how emails sent to your account should be filtered, the message to send, and the recipient groups to receive the broadcast.

The following Inbound Email accounts are configured:

Email Accounts		
Name	Details	
Test	General Details	
	Account Type	POP3
	Attempt Push Notifications	N
	Connection Security	
	Security Type	SSL/TLS
	Port	995
	Account Name	Test
	Incoming Email Server	test.net
	Authentication Type	
	Type	Basic
	User Login	t@uplinx.com
	Password	*****

4.1.4.2 Email Broadcasts

Inbound Email broadcasts consist of the InformaCast message to send when new emails arrive to the configured Inbound Email account, the Subject, From address, and Body filters (optional) that narrow down the emails that would trigger an InformaCast broadcast, the treatment of the InformaCast message's or inbound email's text and audio components, and the recipient group(s) that will receive the broadcast.

Inbound Email supports the following message types: Text, Text and Pre-recorded Audio, and Pre-recorded Audio.

The following Inbound Email broadcasts are configured:

Email Broadcasts		
Name	Details	
Broadcast Desc	Broadcast Details	
	Description	Broadcast Desc
	Email Account	
	Delete email from server when broadcast is sent	N
	Message	
	Use email audio	N
	Use email text	N
	Remove Subject Filter phrase from broadcast text	N
	Filter Options	
	Filter Subject	
	Filter From	
	Filter Body	[]
	Filter From	
	Filter From	
	Recipient Groups	
	Recipient Groups	

4.1.5 Inbound Email

RSS feed configuration includes linking an RSS feed with a message and recipient group(s). Once linked, broadcasts will be triggered whenever new feed information becomes available.

In this section you will find:

- Settings
- RSS Feeds

4.1.5.1 Settings

The following Inbound RSS settings are configured:

Inbound RSS > Settings	
Debug Traces Enabled	Off
Poll Interval (minutes)	1

4.1.5.2 RSS Feeds

RSS feed configuration includes linking an RSS feed with a message and recipient group(s). Once linked, broadcasts will be triggered whenever new feed information becomes available.

Inbound RSS supports the following message types: Pre-recorded Audio, Text, and Text and Pre-recorded Audio; however, these messages must "customizable," i.e. have their Allow users to customize the message at send time checkbox selected on the Create/Edit Message page. Messages that aren't customizable are not available for selection when adding/editing an RSS feed.

The following RSS feeds are configured:

RSS Feeds		
ID	Details	
0	General	
	RSS Feed URL	https://RSSFeed1.com
	Description	Desc RSS Feed 1
	Message	Example Severe Weather
	Recipient Groups	Group1
1	General	
	RSS Feed URL	https://RSSFeed2.com
	Description	Desc RSSFeed 2
	Message	Example CallAware Message
	Recipient Groups	Group1

4.1.6 M2M Contact Closures

Machine-to-Machine (M2M) allows you to send InformaCast broadcasts when a contact closure has been triggered or trigger a contact closure when a specific broadcast has been sent. M2M uses a device, such as a contact closure, to capture an event, e.g. a doorbell ringing as input port will allow you to trigger InformaCast broadcasts when they're activated, and output ports can be added as recipients to InformaCast's messages so that when they're sent as broadcasts, the contact closure's output port(s) is activated.

The following M2M input and output ports are configured:

M2M Contact Closures		
Name	Details	
Contact Closure 1	General Details	
	Name	Contact Closure 1
	Id	0
	Description	Desc Contact Closure 1
	IP Address	10.98.1.1

M2M Contact Closures																				
Name	Details																			
	SNMP Community Name	Contact Closure 1																		
	Input Ports																			
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Recipient Groups	Group1																			
	Output Ports																			
	Output Ports	<table border="1"> <thead> <tr> <th colspan="2">General Details</th> </tr> </thead> <tbody> <tr> <td>Name</td> <td>Output Port 1</td> </tr> <tr> <td>Set Current Monitoring Status to</td> <td>ACTIVE</td> </tr> <tr> <td>Schedule</td> <td>Always On</td> </tr> <tr> <th colspan="2">Manufacturer MIB</th> </tr> <tr> <td>Port Identifier (OID)</td> <td>1.3.6.1.4.1.30586.62.4097</td> </tr> <tr> <td>Field Type</td> <td>d</td> </tr> <tr> <td>Port Switch On/Off (OID value)</td> <td>44</td> </tr> </tbody> </table>	General Details		Name	Output Port 1	Set Current Monitoring Status to	ACTIVE	Schedule	Always On	Manufacturer MIB		Port Identifier (OID)	1.3.6.1.4.1.30586.62.4097	Field Type	d	Port Switch On/Off (OID value)	44		
General Details																				
Name	Output Port 1																			
Set Current Monitoring Status to	ACTIVE																			
Schedule	Always On																			
Manufacturer MIB																				
Port Identifier (OID)	1.3.6.1.4.1.30586.62.4097																			
Field Type	d																			
Port Switch On/Off (OID value)	44																			

4.1.7 Night Bell

Night Bell monitors specific directory numbers (DNs), and when a call comes in on a monitored DN, Night Bell triggers a broadcast that will repeat until the call is answered or the DN returns to an idle state. As long as a call is ringing, InformaCast is broadcasting.

For example, a call comes in to your central reception desk late at night, but your attendant is away, possibly checking the security of the building. Since the DN at the central reception desk has been configured with Night Bell, an InformaCast broadcast of a tone begins repeating through your overhead IP speakers. The attendant hears the tone, returns to the desk to answer the call or remotely dials into that DN, and the broadcast ceases.

In this section you will find:

- Night Bell Triggers
- Configuration

4.1.7.1 Triggers

Night Bell triggers are comprised of CTI ports, InformaCast messages, and recipient groups. When a call comes in on a monitored DN, the trigger contains all the necessary information for a broadcast.

The following Night Bell triggers are configured:

Night Bell Triggers																		
Name	Details																	
Night Bell Trigger	<table border="1"> <thead> <tr> <th colspan="2">General</th> </tr> </thead> <tbody> <tr> <td>Name</td> <td>Night Bell Trigger</td> </tr> <tr> <td>CTI Port Name, DN</td> <td>CTI_3,888</td> </tr> <tr> <td>Message</td> <td>Example Panic Button Message</td> </tr> <tr> <td>Message Type</td> <td>both</td> </tr> <tr> <td>Recipient Groups</td> <td>Group1</td> </tr> <tr> <td>Short Text</td> <td>None</td> </tr> <tr> <td>Long Text</td> <td>None</td> </tr> </tbody> </table>		General		Name	Night Bell Trigger	CTI Port Name, DN	CTI_3,888	Message	Example Panic Button Message	Message Type	both	Recipient Groups	Group1	Short Text	None	Long Text	None
General																		
Name	Night Bell Trigger																	
CTI Port Name, DN	CTI_3,888																	
Message	Example Panic Button Message																	
Message Type	both																	
Recipient Groups	Group1																	
Short Text	None																	
Long Text	None																	

Night Bell Triggers	
Name	Details
	Max Broadcast Duration Do Not Limit Broadcast Duration

4.1.7.2 Configuration

The Configuration area of the Night Bell page allows you to set up Night Bell's connection to Cisco Unified Communications Manager and enter a value for the amount of time (in minutes) that a broadcast should persist if a call isn't answered.

Night Bell > Configuration	
Default Max Broadcast Duration (minutes)	Do Not Limit Broadcast Duration

4.1.8 Park and Page

Park and Page allows you to park calls and send out InformaCast broadcasts to announce their arrival to interested parties. Using destinations and triggers, you combine a CTI port and recipient group, i.e. a destination, with a DN tied to a message, i.e. a trigger. With a destination comprised of the Cisco IP phones for Unified CM and/or IP speakers in the Electronics department and a trigger's message that says, "Electronics, you have a call on XXXX," when a customer calls you, listens to your Interactive Voice Response (IVR) menu, and selects the Electronics department, Park and Page will park their call and broadcast the message you've configured. Someone in the Electronics department can then dial the number announced in the broadcast and talk to the caller. You can also control what happens when a call isn't answered and the amount of time an announcement will repeat itself.

In this section you will find:

- Park and Page Destinations
- Park and Page Triggers
- Configuration

4.1.8.1 Destinations

Park and Page destinations are comprised of CTI ports that are linked to recipient groups; they tell triggers where to send a broadcast. You must create destinations before you can create triggers.

The following Park and Page destinations are configured:

Destinations	
License Status	Park and Page license information not available

4.1.8.2 Triggers

Park and Page observes route points and directs the calls these observed route points receive to the DNs you've established. You will want to create one route point DN for each unique trigger that you establish in Park and Page.

The following Park and Page triggers are configured:

Triggers	
License Status	Park and Page license information not available

4.1.8.3 Configuration

Setting Park and Page's configuration parameters includes establishing its connection to Cisco Unified Communications Manager and entering a few default values for where calls will be routed in case of an error, how long to wait for a call to be answered before announcing it again, how long to wait before canceling an unanswered call, etc.

Park and Page > Configuration	
License Status	Park and Page license information not available

4.1.9 Bells

Bells allow you to send patterns of scheduled messages (usually brief tones) to Cisco IP phones for Unified CM and IP speakers.

Bells consist of:

- Ring tone. A message that can be used with bells. Messages can only be used with bells when they have their Ring Tone checkbox selected and a message type of Pre-recorded Audio or Text and Pre-recorded Audio. InformaCast provides you with a small selection of ring tones, and you can create more as needed.
- Ring list. A series of ring tones to be played at specific times of day and the set of recipient groups that will play each tone.
- Bell schedule. The ring list that's used each day, which is mapped to a repeating weekly pattern on the calendar.
- Exception. An alternative ring list that plays on a particular date or range of dates that overrides the normal weekly pattern, i.e. bell schedule.

In this section you will find:

- Bells Schedules
- Bells Ring List

4.1.9.1 Schedules

Bell schedule define the ring list that is used each day, which is mapped to a repeating weekly pattern on the calendar.

The following Bell schedules are configured:

< No records found >

4.1.9.2 Ring List

Ring lists are a series of ring tones to be played at specific times of day and the set of recipient groups that will play each tone.

The following Ring lists are configured:

< No records found >

4.2 Schedules

Broadcast Schedules enable the automated delivery of InformaCast messages at specific dates and times, supporting one-time future broadcasts and recurring scheduled announcements. Schedules can be configured with start times, end times, recurrence patterns (daily, weekly, monthly), and associated messages and recipient groups for automated communication delivery without manual intervention.

Scheduled broadcasts are useful for routine announcements such as daily reminders, weekend notifications, holiday messages, maintenance alerts, and any time-based communication that needs to occur automatically at predetermined intervals.

In this section you will find:

- Islamic Prayer Times
- M2M Schedules
- Scheduled Broadcasts

Advanced license only

4.2.1 Islamic Prayer Times

Islamic Prayer Times calculations allow you to determine the call-to-prayer times for locations around the world and create scheduled broadcasts that correspond to those times. Once you have selected locations based on latitude and

longitude and time zone, you can select your calculation method, make any necessary time adjustments, and assign the recipients and messages that will receive the call-to-prayer scheduled broadcasts.

The following Islamic Prayer Times are configured:

< No records found >

4.2.2 M2M Schedules

Machine-to-Machine (M2M) uses a device, such as a contact closure, to capture an event, e.g. a doorbell ringing, which is relayed through a network to an application, such as InformaCast

Schedules are an optional feature that allow you to set times when a contact closure is considered active. Active contact closures will trigger/be triggered by broadcasts; inactive contact closures will not, e.g. a weekend schedule would trigger a strobe light when the front doorbell is pressed, while pressing that doorbell during the work week would not trigger the strobe light.

The following M2M Schedules are configured:

< No records found >

4.2.3 Scheduled Broadcasts

Scheduled broadcasts allow you to send a message at a prearranged time in the future, either once or on a recurring basis.

Tip: Bells offer a more sophisticated scheduling process with more options and finer-grained control.

The following Scheduled broadcasts are configured:

< No records found >

5 Recipients

The Recipients section manages all destination endpoints and contact information for InformaCast broadcasts. This includes organizational groupings, individual endpoints across multiple communication channels, and hardware devices that can receive notifications. Recipients can be phones, speakers, desktop computers, email addresses, mobile devices, social media accounts, and external systems.

This section contains:

- **Groups** - Recipient Groups organize devices and contacts into logical collections, with customizable tags for filtering and targeted message delivery
- **Endpoints** - Individual contact points including Conference Calls, InformaCast Mobile users, Outbound Email recipients, Quick URL webhooks, School Messenger integration, Twitter accounts, WordPress sites, and Script endpoints
- **Hardware** - Physical devices including IP Speakers with network parameters and statistics, Desktop Notifier settings, SIP Speaker Parameters, and Legacy Paging Interface (LPI) configurations with paging devices and SIP server groups

5.1 Groups

Recipient Groups organize phones, speakers, contacts, and other endpoints into logical collections for targeted message delivery. Groups can contain mixed device types and support hierarchical structures with tags for advanced filtering and dynamic recipient selection based on location, department, or other organizational criteria.

This section contains:

- **Recipients Groups** - Configured groups with member devices and contacts
- **Tags** - Categorization labels for organizing and filtering recipient groups

5.1.1 Recipient Groups

Recipient groups and exclusionary recipient groups allow you to organize your recipients into groups that will either receive the broadcasts sent to them (recipient groups) or never receive broadcasts (exclusionary recipient groups).

By default, InformaCast initially creates an 'All Recipients' group, which contains all the recipients that can be discovered. However, you may find it helpful to send to smaller groups of recipients (or exclude some recipients from ever receiving broadcasts).

The following Recipient groups are configured:

Recipient Groups					
Name	Recipient Information				
(All Recipients)	General				
	Name	(All Recipients)			
	Dial Code	*			
	Tags				
	Recipients				
	Filter Individually				
	Enabled Filter Individually	N			
	Filter with Recipient Groups				
	Enabled Filter with Recipient Groups	N			
	Filter with Rules				
	Enabled Filter with Rules	Y			
	Filter Logical Expression	AND			
	Filter with Rules	InformaCastDeviceType	Does	CONTAINS	Case Sensitive
	Filter with Exclusions				
	Enabled Filter with Exclusions	N			
	Statistics				
Num Phones	0				
Num Speakers	0				
Num Plugins	8				
Group1	General				
	Name	Group1			
	Dial Code	345			
	Tags				
	Recipients				
	Filter Individually				
	Enabled Filter Individually	N			
	Filter with Recipient Groups				
	Enabled Filter with Recipient Groups	N			
	Filter with Rules				
	Enabled Filter with Rules	Y			
	Filter Logical Expression	AND			
	Filter with Rules	InformaCastDeviceType	Does	CONTAINS	3333 Ignore Case
	Filter with Exclusions				
	Enabled Filter with Exclusions	N			
	Statistics				
Num Phones	0				
Num Speakers	0				
Num Plugins	0				

5.1.2 Tags

Recipient group tags allow you finer control over the display results for recipient groups throughout InformaCast's recipient-specific features. For example, enter a tag's name in the Recipient Groups dropdown menu of a dialing

configuration, scheduled broadcast, CallAware call redirect, or ring list entry to only see the recipient groups assigned that tag.

The following Recipient group tags are configured:

Recipients > Tags	
Name	Tag Members
1111	
2222	
3333	

5.2 Endpoints

Endpoints define individual contact points and integration channels for message delivery beyond traditional phone and speaker hardware. These include conference call systems, mobile applications, email distribution, web services, social media platforms, and custom script integrations that extend InformaCast's notification reach.

Available endpoint types include:

- Conference Calls - Dynamic conference bridge configurations with contact lists for automated call-out notifications
- Contacts - Individual contact records for Conference Call participant management
- Groups - Conference Call group configurations
- General Settings - Global Conference Call parameters
- Configuration - Conference Call system settings
- InformaCast Mobile - Mobile application user registrations and device tokens
- Outbound Email - Email recipient configurations and SMTP settings
- Quick URL - Webhook endpoints for HTTP/HTTPS notification delivery to external systems
- School Messenger - Integration settings for School Messenger notification service
- Wordpress - WordPress site integration for automated blog post notifications
- Script - Custom script endpoints for programmatic notification handling

Some endpoints require specific plugin licenses

5.2.1 Conference Call

Conference Call recipients allow you to group users' Cisco IP phones for Unified CM and pull those phones into a conference call session when the conference call group is assigned as a recipient to an InformaCast broadcast. You can also dial a directory number (DN) associated with that particular conference call group and launch a conference call session.

In this section you will find:

- Contacts
- Groups
- General Settings
- Configuration

5.2.1.1 Contacts

Conference Call contacts are the individuals with Cisco IP phones for Unified CM who could be the potential recipients of a conference call broadcast.

The following Conference Call contacts are configured:

Contacts				
First Name	Last Name	Phone 1	Phone 2	Phone 3
Conference1	CallContact1	111111111	222222222	333333333
Conference2	CallContact2	77	88	99

5.2.1.2 Groups

Once you have added Conference Call contacts, you can place these contacts into Conference Call groups, optionally assign them a dial-in DN (which allows them to either dial into an existing conference call session once it's started or kick off a new conference call session by dialing it), and then assign these groups as recipients to InformaCast broadcasts.

The following Conference Call groups are configured:

Conference Call > Groups		
Name	Details	
Conference Call Group1	General	
	Name	Conference Call Group1
	Contacts	Conference1 CallContact1 Conference2 CallContact2
	Dial-in Settings	
	Bypass IVRs	Y
	Enable Dial-in	N
	Outbound Notification	
	Enable Outbound Notification	N

5.2.1.3 General Settings

The following Conference Call Setting are configured:

Conference Call - General Settings	
General Settings	
No Answer Timeout (sec)	16
Transfer CTI Debug	N
Conference CTI Debug	N

5.2.1.4 Configuration

Setting Conference Call configuration parameters includes establishing a connection to Cisco Unified Communications Manager, determining whether the InformaCast-provided IVR audio is sufficient or uploading new audio, setting the length of time InformaCast will let a phone ring before hanging up the call, and enabling several debug logging settings (optional).

The following Conference Call configuration is configured:

Configuration		
InformaCast Application Mode	InformaCast IP Address	Cisco Unified CM Application User
Stand-alone	10.5.1.158	

5.2.2 Outbound Email

Send a broadcast's contents to an email account. Outbound Email settings configures a Simple Mail Transport Protocol (SMTP) server. It can then be used by the 'Outbound Email references' to send email.

In this section you will find:

- Outbound Email Settings (i.e. Email server configuration)
- Outbound Email references

5.2.2.1 Settings

Outbound Email settings configures a Simple Mail Transport Protocol (SMTP) server. It can then be used by the 'Outbound Email references' to send email.

Caution: If an email account is used in multiple InformaCast recipients and/or event sources, it increases the potential for inadvertent InformaCast broadcasts. Please be aware of the accounts that are configured in each recipient.

The following Simple Mail Transport Protocol (SMTP) server is configured:

Outbound Email Configuration	
SMTP Server	
SMTP Server Port	0
Username	
Authentication Method	None
From Address	
From Name	
Reply To Address	
Message Footer	

5.2.2.2 Email References

Outbound Email recipients allow you to send the contents of a message's Short Text and Long Text fields, and optionally its audio content, in an email to listed email addresses. Once you have created Outbound Email references, which contain the email addresses that will receive InformaCast's broadcast content, InformaCast will treat them as new recipients that can be assigned to a recipient group just as you would a Cisco IP phone for Unified CM or an IP speaker.

The following Outbound Email recipients are configured:

Email References		
Name	Details	
Outbound Email 2	General	
	Name	Outbound Email 2
	Id	0
	Destination Email (To)	xyz2@uplinx.com
	Destination Email (Bcc)	xyz2bb@uplinx.com
	Allow Attachments	N
	Send as High Priority	
Outbound Email1	General	
	Name	Outbound Email1
	Id	1
	Destination Email (To)	xyz@uplinx.com
	Destination Email (Bcc)	xyzbcc@uplinx.com
	Allow Attachments	Y
	Send as High Priority	HIGH

5.2.3 Quick URL

Quick URL enables InformaCast to send broadcast notifications to external web services and systems through HTTP/HTTPS webhook endpoints. This integration allows message text content to be delivered to third-party applications, monitoring systems, paging services, and other network resources by posting Short Text and Long Text fields to configured URLs, extending InformaCast's notification reach beyond traditional devices.

This section contains:

- URL Devices - Configured webhook endpoints that receive broadcast text content via HTTP/HTTPS POST requests

Advanced license only

5.2.3.1 URL Devices

URL Devices define individual webhook endpoints that receive InformaCast broadcast text through HTTP/HTTPS POST requests. Each URL device specifies a destination web address, authentication credentials if required, and can be assigned to recipient groups just like physical devices. URL devices enable integration with external notification services, paging systems, digital signage, facility management platforms, and custom applications that consume InformaCast message content.

The following Quick URL Recipients are configured:

URL Devices		
Name	Details	
Fictional	General	
	Name	Fictional
	Id	0
	Authenticating User	djt
	Network Location	http://10.5.1.166/test
	Short Text Parameter Name	p1
	Long Text Parameter Name	p2
	Request Method	POST

5.2.4 School Messenger

The SchoolMessenger plugin allows you to include SchoolMessenger jobs as eligible recipients of an InformaCast broadcast. Once you have an active account on the SchoolMessenger hosted server, you can configure InformaCast to treat SchoolMessenger jobs as new recipients that can be assigned to a recipient group just as you would a phone or a speaker.

SchoolMessenger recipients are not included in InformaCast by default; they must be explicitly included in your license's functionality.

In this section you will find:

- SchoolMessenger Settings (i.e. SchoolMessenger server configuration)
- SchoolMessenger recipients

5.2.4.1 Settings

You must configure a connection between InformaCast and your hosted SchoolMessenger server so that InformaCast may access your SchoolMessenger jobs.

The following are the SchoolMessenger server configuration settings:

5.2.4.2 Jobs

SchoolMessenger Jobs define notification templates synchronized with the SchoolMessenger cloud service for delivering broadcasts through their multi-channel notification platform. Each job represents a pre-configured notification workflow in SchoolMessenger that can be triggered from InformaCast, specifying whether the job is available to InformaCast Mobile app users and whether message content can be overridden when initiating the notification.

5.2.5 Wordpress

WordPress recipients allow you to send a message's text components from InformaCast to WordPress instances (wordpress.org). Once you have created a WordPress instance, you can configure InformaCast to treat the destination WordPress instance as a new recipient, called a WordPress reference in InformaCast, that can be assigned to a recipient group just as you would a Cisco IP phone for Unified CM or an IP speaker.

The following WordPress recipients are configured:

Wordpress References		
Name	Details	
dht	General	
	Username	dht
	Id	edcd66bc-acd7-49da-8c40-8cc70af160d5
	URL	https://google.com/test.aspx
	Category	test

5.2.6 Script

Script recipients allow Java and JavaScript programmers to build a custom integration by creating code that can participate at various phases of an InformaCast broadcast and attaching it as a script to an InformaCast broadcast. The integration can be deep or simple depending on how much code is written and how much of the exposed interface is used.

A typical task for a Script recipient is to integrate or communicate with other systems, and those systems can be internal to your network or external. Such systems usually have a REST or HTTP interface that allows JavaScript to perform HTTP GET and HTTP POST requests.

The following Script recipients are configured:

Scripts					
Name	Details				
Script1	<table border="1"> <tr> <td>Id</td> <td>0</td> </tr> <tr> <td>Script</td> <td> <pre>importPackage(javax.xml.xpath); var inputSource = saxInputSource("https://rss.tvguide.com/breakingnews"); title = evaluateXPath(inputSource, ' //item/description');</pre> </td> </tr> </table>	Id	0	Script	<pre>importPackage(javax.xml.xpath); var inputSource = saxInputSource("https://rss.tvguide.com/breakingnews"); title = evaluateXPath(inputSource, ' //item/description');</pre>
Id	0				
Script	<pre>importPackage(javax.xml.xpath); var inputSource = saxInputSource("https://rss.tvguide.com/breakingnews"); title = evaluateXPath(inputSource, ' //item/description');</pre>				
Script2	<table border="1"> <tr> <td>Id</td> <td>1</td> </tr> <tr> <td>Script</td> <td> <pre>// Function to add a recipient to a message's "to" list function addToRecipient(message, recipient) { var to = new javax.mail.internet.InternetAddress(recipient); message.addRecipient(javax.mail.Message.RecipientType.TO, to); } var props = new java.util.Properties(); props.put("mail.smtp.host", "mailserver.mycompany.com"); var session = javax.mail.Session.getInstance(props, null); // Set up the basic envelope information, sender and recipients var message = new javax.mail.internet.MimeMessage(session); var from = new javax.mail.internet.InternetAddress("example_email@singlewire.com"); message.setFrom(from); addToRecipient(message, "john.doe@company.com"); addToRecipient(message, "jane.doe@company.com"); message.setSubject("InformaCast Message Sent"); var text = "Message " + messageInfo.description + " [key: "; text += messageInfo.messageKey + "] was sent by "; text += senderInfo.userName + " [id: " + senderInfo.user + "]\n"; text += "Sent from address " + senderInfo.address + "\n"; text += "Sending Device Type: " + senderInfo.deviceType + "\n"; text += "Sending Device Name: " + senderInfo.deviceName + "\n"; text += "Sending Device Description: " + senderInfo.deviceDescription + "\n\n"; text += messageInfo.recipientKeys.join(", ") + "\n\n"; text += "Message type: " + messageType.getDescription() + "\n"; if (messageType.isLive()) { text += "Live Audio Source: " + senderInfo.liveAudioSource + "\n"; } if (messageType.isText()) { text += "Message Short Text: " + messageInfo.shortText + "\n"; } // Wrap the text as a MIME body part so we can also include a captured image. var part = new javax.mail.internet.MimeBodyPart(); part.setContent(text, "text/plain");</pre> </td> </tr> </table>	Id	1	Script	<pre>// Function to add a recipient to a message's "to" list function addToRecipient(message, recipient) { var to = new javax.mail.internet.InternetAddress(recipient); message.addRecipient(javax.mail.Message.RecipientType.TO, to); } var props = new java.util.Properties(); props.put("mail.smtp.host", "mailserver.mycompany.com"); var session = javax.mail.Session.getInstance(props, null); // Set up the basic envelope information, sender and recipients var message = new javax.mail.internet.MimeMessage(session); var from = new javax.mail.internet.InternetAddress("example_email@singlewire.com"); message.setFrom(from); addToRecipient(message, "john.doe@company.com"); addToRecipient(message, "jane.doe@company.com"); message.setSubject("InformaCast Message Sent"); var text = "Message " + messageInfo.description + " [key: "; text += messageInfo.messageKey + "] was sent by "; text += senderInfo.userName + " [id: " + senderInfo.user + "]\n"; text += "Sent from address " + senderInfo.address + "\n"; text += "Sending Device Type: " + senderInfo.deviceType + "\n"; text += "Sending Device Name: " + senderInfo.deviceName + "\n"; text += "Sending Device Description: " + senderInfo.deviceDescription + "\n\n"; text += messageInfo.recipientKeys.join(", ") + "\n\n"; text += "Message type: " + messageType.getDescription() + "\n"; if (messageType.isLive()) { text += "Live Audio Source: " + senderInfo.liveAudioSource + "\n"; } if (messageType.isText()) { text += "Message Short Text: " + messageInfo.shortText + "\n"; } // Wrap the text as a MIME body part so we can also include a captured image. var part = new javax.mail.internet.MimeBodyPart(); part.setContent(text, "text/plain");</pre>
Id	1				
Script	<pre>// Function to add a recipient to a message's "to" list function addToRecipient(message, recipient) { var to = new javax.mail.internet.InternetAddress(recipient); message.addRecipient(javax.mail.Message.RecipientType.TO, to); } var props = new java.util.Properties(); props.put("mail.smtp.host", "mailserver.mycompany.com"); var session = javax.mail.Session.getInstance(props, null); // Set up the basic envelope information, sender and recipients var message = new javax.mail.internet.MimeMessage(session); var from = new javax.mail.internet.InternetAddress("example_email@singlewire.com"); message.setFrom(from); addToRecipient(message, "john.doe@company.com"); addToRecipient(message, "jane.doe@company.com"); message.setSubject("InformaCast Message Sent"); var text = "Message " + messageInfo.description + " [key: "; text += messageInfo.messageKey + "] was sent by "; text += senderInfo.userName + " [id: " + senderInfo.user + "]\n"; text += "Sent from address " + senderInfo.address + "\n"; text += "Sending Device Type: " + senderInfo.deviceType + "\n"; text += "Sending Device Name: " + senderInfo.deviceName + "\n"; text += "Sending Device Description: " + senderInfo.deviceDescription + "\n\n"; text += messageInfo.recipientKeys.join(", ") + "\n\n"; text += "Message type: " + messageType.getDescription() + "\n"; if (messageType.isLive()) { text += "Live Audio Source: " + senderInfo.liveAudioSource + "\n"; } if (messageType.isText()) { text += "Message Short Text: " + messageInfo.shortText + "\n"; } // Wrap the text as a MIME body part so we can also include a captured image. var part = new javax.mail.internet.MimeBodyPart(); part.setContent(text, "text/plain");</pre>				

Scripts	
Name	Details
	<pre>// Set up the multipart content of the message, starting with the text part. var content = new javax.mail.internet.MimeMultipart(); content.addBodyPart(part); // Include the latest captured image if one exists var capture = new java.io.File("/tmp/capture.jpg"); if (capture.canRead()) { part = new javax.mail.internet.MimeBodyPart(); part.attachFile(capture); content.addBodyPart(part); } // Assemble and send the message message.setContent(content); javax.mail.Transport.send(message); // Trigger auto-dialer script //new java.net.URL("http: //serverip:8080/AutoDialer/remoteDialing.do"). // getContent();</pre>

5.3 Hardware

The Hardware section manages physical devices that receive InformaCast broadcasts including IP speakers, desktop computers running InformaCast Desktop Notifier, and legacy analog paging systems integrated through SIP gateways. These devices provide on-premises audio and visual notification delivery across facilities.

This section contains:

- Speakers - IP speaker devices with network parameters, registration status, and Desktop Notifier configurations
- Legacy Paging Interface - SIP-to-analog gateway integration for connecting existing overhead paging infrastructure

Advanced license required for IP speakers and legacy paging integration

5.3.1 Speakers

IP Speakers and Desktop Notifiers are network-connected devices that receive audio broadcasts and text notifications from InformaCast. IP speakers provide overhead paging capabilities with various audio quality levels and display features, while Desktop Notifier runs on Windows and Mac computers to deliver pop-up notifications with audio, text, and images directly to user desktops.

This section contains:

- IP Speakers - Individual speaker configurations showing registration status, MAC addresses, IP addresses, volume settings, and device capabilities
- Network Speaker Parameters - Global parameters including SLP configuration, auto-registration settings, session timeouts, and keepalive intervals
- SIP Speaker Parameters - SIP telephony settings for speakers including transport protocols, registration intervals, DNS SRV configuration, and line-side connection parameters
- Desktop Notifier Parameters - Configuration for desktop application including menu options (clear, exit, start/stop) and custom logo settings
- Speakers Statistics - Summary counts of configured, registered, new, expired, and not-registered speakers and desktop notifiers

Advanced license only

5.3.1.1 Speakers

IP Speakers are network-connected devices that receive and play audio broadcasts from InformaCast, with many models also supporting text display capabilities. Broadcasts activate speakers via HTTP and deliver audio content

through multicast RTP streams, enabling simultaneous message delivery to multiple devices with minimal network overhead.

InformaCast supports multiple speaker types including hardware IP speakers (network-attached loudspeakers), SIP speakers for full-duplex intercom calls, Legacy Paging Interface (LPI) zones for analog paging integration, and InformaCast Desktop Notifier instances running on computers. Speakers obtain configuration from the InformaCastSpeaker.cfg file which defines server location, registration intervals, volume settings, and remote logging parameters.

This section displays individual speaker configurations including registration status, MAC addresses, IP addresses, volume levels, dial codes, scroll speed adjustments, SIP intercom settings, and device capabilities such as display support, recording ability, and message response features.

The following IP speakers are configured:

Speakers		
Name	Details	
Speaker	General Details	
	Name	Speaker
	Id	2147483661
	Member of the following Recipient Group(s)	(All Recipients)
	Description	Speaker Desx
	Dial Code	56765
	MAC Address	123412341234
	Volume	10
	Scroll Speed Adjustment	0
	Enable SIP Intercom	Y
	SIP Speaker DN	32423
	SIP DN To Dial	3333
	SIP Mic Volume	5
	SIP Ring Volume	5
	SIP Auto Answer	Y
SIP Registration Status	Not registered	

5.3.1.2 Network Speaker Parameters

Network Speaker Parameters configure global settings for IP speaker registration and communication including SLP (Service Location Protocol) configuration, auto-registration behavior, session timeouts, keepalive intervals, default volume levels, and SNMP community names for network device management.

Speaker Parameters	
Automatically Add Hardware IP Speakers	N
Speaker Default Volume	10
Automatically Add IDN Instances and LPI Plugin Paging Zones	N
IDN/LPI Paging Zone Default Volume	10
Automatically Remove Unregistered IDN Instances (days)	0
Registration Interval (seconds)	300

5.3.1.3 SIP Speaker Parameters

SIP Speaker Parameters define global SIP telephony settings for IP speakers including transport protocols, registration intervals, call ring time, DNS SRV configuration, and line-side connection parameters for UCaaS provider integration. These settings control how SIP-enabled speakers register with and communicate through the telephony infrastructure.

SIP Speaker Parameters	
Require Numeric SIP Speaker DN	Y
Configure with DNS SRV	N
Telephony Providers	127.0.0.1

Transport Protocol	TCP
OPTIONS Ping Interval (seconds)	60
Registration Interval (seconds)	60
Call Ring Time (seconds)	15

5.3.1.4 Desktop Notifier Parameters

Desktop Notifier Parameters configure the InformaCast Desktop Notifier (IDN) application behavior on Windows and Mac computers. Settings control which menu options are available to end users including the ability to clear messages, exit the application, or start/stop the service, and allow customization of the application logo displayed on compatible devices.

InformaCast Desktop Notifier Parameters	
Clear Menu Option	Y
Exit Menu Option	Y
Start/Stop Menu Option	Y
Logo	No logo configured

5.3.1.5 Speakers Statistics

As long as DHCP and DNS SRV records or multicast and SLP are correctly configured on your network, your IP speakers and InformaCast will establish communication. Once communication is established, all IP speaker types register directly with InformaCast.

Registration is only part of the process, however. In order for IP speakers to be available for inclusion in recipient groups and eligible for receipt of InformaCast broadcasts, they have to be added. You may also want to configure them with more detailed information. Some definitions of IP speaker states will help you with your configuration:

- Registered. These are IP speakers with which InformaCast has established communication.
- Added. If IP speakers are configured to be automatically added via the Network Speaker Parameters area, they will appear in the table on the Speakers page as soon as they establish communication with InformaCast. These are considered added, but until you assign them a name, description, dial code (optional), etc. on the Edit Speaker page, they are not yet configured.
- Unadded. If IP speakers are not configured to be automatically added. Unadded, registered IP speakers cannot be included in recipient groups and will not receive broadcasts.
- Configured. These are IP speakers that have registered with InformaCast.
- Unconfigured. These are registered IP speakers that have not yet been assigned a name, description, dial code (optional), etc.
- Unregistered. InformaCast had been able to communicate with these added and previously registered IP speakers, but can't anymore.

Speakers Statistics	
IP Speakers	
Registered	0
Not Registered	1
New	0
Expired	0
Desktop Notifier	
Registered	0
Not Registered	0
New	0
Expired	0

5.3.2 Legacy Paging

The Legacy Paging Interface (LPI) plugin enables integration with existing analog overhead paging systems and zone controllers by converting InformaCast SIP calls to analog audio signals. This allows organizations to leverage their installed paging infrastructure while gaining InformaCast's advanced notification capabilities including scheduled announcements, emergency alerts, and automated triggers.

This section contains:

- Paging Devices - Individual paging gateway configurations with SIP server groups, user credentials, DTMF settings, and associated paging zones
- SIP Server Groups - Collections of SIP servers used by paging devices with hierarchical or round-robin distribution schemes
- Configuration - Global LPI settings including test tone configuration, TCP timeouts, MAC address prefixes, and transport protocols

LPI plugin license required

5.3.2.1 Paging Devices

A paging device is a physical unit that allows broadcasts via one or several groups of loudspeakers that are collected into paging zones. Paging zones are groups of loudspeakers to which a paging device provides access. InformaCast recognizes each paging zone as an IP speaker.

A DTMF tone (or code) is assigned to each paging zone. When InformaCast sends a broadcast to one or more of the LPI's paging zones, the LPI will place a call with the paging device, dial the DTMF code for its zones, and broadcast to them. Some types of paging devices allow the combining of paging zones so that a single DTMF tone can be used for accessing several zones at once.

The following paging devices are configured:

Paging Devices		
Name	Details	
PagingDevice1	General Details	
	Device Name	PagingDevice1
	Id	0
	SIP Server Group	SIP Server Group
	SIP User or Telephone Number	SipUsr
	Max SIP Response Time	5
	DTMF Duration (ms)	500
	Pause Before First DTMF (ms)	500
	Pause After Last DTMF (ms)	500
	Pause Between DTMF Tones (ms)	0
	Paging Zones	
	Paging Zones	< No records found >

5.3.2.2 SIP Server Groups

During a broadcast, the LPI makes a call to a SIP server in order to reach a paging device. To facilitate failover to another SIP server if the main server is unavailable, the LPI uses SIP server groups that are comprised of one or more SIP servers.

You'll need to add one SIP server group with at least one SIP server in order for the LPI to work, and two SIP servers if you'd like failover to occur between them.

The following SIP server groups are configured:

SIP Server Groups	
Name	Details
SIP Server Group	General Details

SIP Server Groups		
Name	Details	
	Name	SIP Server Group
	Id	0
	Scheme	ROUND_ROBIN
	Configure with DNS SRV	N
	Member SIP Servers	
	Server 1	10.98.1.2:5060
	Server 2	10.98.1.3:5060

5.3.2.3 Configuration

The LPI's Configuration area allows you to modify the parameters that affect its behavior. All of the parameters have default values and do not need to be changed, but you may want to tweak them based on your specific needs.

The following Legacy Paging Interface settings are configured:

Legacy Paging Interface > Config	
Use Custom Test Tone	
Request Wait Period (seconds)	1
TCP Connection Timeout (ms)	3000
MAC Address Prefix (6 digits)	000000
SIP Transport Protocol	UDP
SIP OPTIONS Ping Interval (seconds)	15

6 System Administration

System Administration provides comprehensive configuration and management of InformaCast's core infrastructure including telephony integration, SIP connectivity, user access control, and platform settings. These settings control how InformaCast connects to Cisco Unified Communications Manager, manages SIP-based communication, authenticates users, and configures system-wide operational parameters.

This section contains:

- Telephony - Cisco Unified CM cluster integration, phone updates, CTI certificates, and external call control configuration
- SIP - Session Initiation Protocol settings including access configuration, accounts, certificates, security, speaker parameters, stack settings, credentials, registrations, DNS SRV records, and server groups
- User Management - User accounts, groups, roles, and session timeout configuration for InformaCast access control
- General Configuration - System-wide settings including broadcast parameters, licensing, SLP configuration, network parameters, and LDAP integration

6.1 Telephony

The Telephony section manages integration with Cisco Unified Communications Manager (CUCM) clusters for phone-based notification delivery. This includes CTI (Computer Telephony Integration) configuration, phone device synchronization, certificate management for secure connections, and external call control profile settings that enable InformaCast to monitor and control Cisco phones for emergency broadcasts and paging.

This section contains:

- Cisco Unified CM Clusters - CUCM cluster configurations with provider settings, IP addresses, credentials, JTAPI parameters, and secure connection options
- Phone Updates - Scheduled rebuild and refresh operations for synchronizing phone lists from CUCM, including intervals and last execution timestamps

- CUCM External Call Control - External Call Control Profile settings for web service URLs and keepalive monitoring

Advanced license required for phone integration

6.1.1 Cisco Unified CM Cluster

List of Cisco Unified Communications Manager clusters whose phones will receive InformaCast broadcasts. One Cisco Unified CM cluster must be your primary cluster.

CUCM Clusters		
Name	Information	
CUCM230	CUCM Cluster Settings	
	Name	CUCM230
	Primary CUCM Cluster	Y
	Secure Connection	N
	CUCM Application User	admin
	Use Application User for AXL	Y
	AXL IP Address(es)	10.5.1.230
	CUCM IP Address(es)	10.5.1.230
	SNMP Settings	
	SNMP Version	SNMP Version 2
	SNMP v2 Community Name	*****
	JTAPI Settings	
	JTAPI Phone Activation Enabled	N
	JTAPI Static Terminals Enabled	N
	Advanced Settings	
	Is Phone Gatherer	N
	AXL Cluster ID	
	XML Push Auth URL	http://10.5.1.158:8081/InformaCast/phone/auth
	Next Auth URL	

6.1.2 CUCM Phone Updates

Phone Updates manages the synchronization of Cisco phone device information from Unified Communications Manager into InformaCast. The Rebuild operation performs a complete phone list reconstruction from CUCM using AXL queries, while the Refresh operation updates existing phone data. This section displays the schedule configuration, last attempted and successful execution timestamps, phone retrieval counts, and refresh intervals for maintaining accurate phone inventory.

Phone Updates	
Build List of Registered Phones	
Description	This process creates a list of registered phones and involves querying Cisco Unified Communications Manager to obtain the configuration and IP address for each registered phone.
Note	If a field is not required, leaving it blank means "every." For example, leaving the Hour field blank would cause the update to be scheduled every hour of the day.
Hour (0-23)	Hour 11
Minute	10
Second	0
Month	Every Month
Day	Day 2
Week Day	Every Day
Refresh List of Registered Phones	
Description	Configure the timing for how often InformaCast queries Cisco Unified CM for the changes to phones already in the list of registered phones. A refresh can be performed as frequently as once per minute.
Note	Entering zero into this field indicates to InformaCast that no refresh should be performed.

Refresh Interval (minutes)	0 (No refresh)
----------------------------	----------------

6.1.3 CUCM External Call Control

CUCM External Call Control displays the External Call Control Profile configuration on Cisco Unified Communications Manager that enables CUCM to communicate with InformaCast for emergency notification features. This section shows the primary and secondary web service URLs configured in CUCM's External Call Control Profile, secure HTTPS URLs if configured, and the last keepalive timestamp indicating the most recent successful health check from CUCM to InformaCast.

CUCM External Call Control	
Description	When InformaCast is being used to provide external call control for Cisco Unified CM, set the Web Service URLs in the External Call Control Profile to the values displayed on this page.
Web Service URLs	
Primary Web Service	http://ic158.lab.uplinx.com:8081/InformaCast/admin?cmd=callRouting&token=pjne7t8v3k
Secure Primary Web Service	https://ic158.lab.uplinx.com:8444/InformaCast/admin?cmd=secureCallRouting&token=pjne7t8v3k
Keep-Alive Status	
Last Keep-Alive Received	Never

6.1.4 CTI Certificates

SIP Certificates manages SSL/TLS certificates used for secure SIP signaling (SIPS) and encrypted media streams. This section displays imported certificates with their aliases, subject common names, and full certificate contents in PEM format. Certificates enable secure SIP connections using TLS transport protocol and SRTP for encrypted audio, ensuring confidential communication between InformaCast and external SIP providers or telephony systems.

< No records found >

6.1.5 SIP

The Telephony section manages integration with Cisco Unified Communications Manager (CUCM) clusters for phone-based notification delivery. This includes CTI (Computer Telephony Integration) configuration, phone device synchronization, certificate management for secure connections, and external call control profile settings that enable InformaCast to monitor and control Cisco phones for emergency broadcasts and paging.

This section contains:

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- CUCM External Call Control - External Call Control Profile settings for web service URLs and keepalive monitoring

Advanced license required for phone integration

6.1.5.1 Access

This section shows whether SIP access is allowed or denied, and a list of exceptions that can be configured by subnet or host.

SIP Access					
Incoming SIP calls	Deny				
Subnet Exceptions	<table border="1"> <thead> <tr> <th colspan="2">SIP Access</th> </tr> </thead> <tbody> <tr> <td>10.88.1.0</td> <td>Allow</td> </tr> </tbody> </table>	SIP Access		10.88.1.0	Allow
SIP Access					
10.88.1.0	Allow				

6.1.5.2 Accounts

SIP Accounts configure InformaCast's registration with external SIP providers or PBX systems for outbound SIP connectivity. Each account defines the SIP user credentials, host address, outbound proxy servers, transport protocol

(UDP/TCP/TLS), and optional realm authentication settings that enable InformaCast to register as a SIP endpoint and establish secure connections for features like DialCast and Legacy Paging Interface.

SIP Accounts		
Name	Details	
SIPaccount	General	
	Name	SIPaccount
	Enable Registration	Y
	User	SIPaccountUser
	Host	10.5.99.1
	Transport Protocol	TLS
	Outbound Proxy Server(s)	test.lab.uplinx.com
	Use DNS SRV	Y
	Use Realm Authentication	N
	Authorization ID	3444

6.1.5.3 Call Security

SIP Security configures authentication and access control policies for incoming SIP connections to InformaCast. This section defines security settings including SIP realm authentication requirements, allowed IP address ranges for SIP traffic, digest authentication challenges, and policies that prevent unauthorized SIP devices or systems from connecting to InformaCast services.

SIP Call Security	
Secure Signaling Required	N
Secure RTP Allowed	Y
Authenticate Incoming Requests	N
Realm	InformaCast
Authentication Username	sipuser
Nonce Duration	5

6.1.5.4 SIP Certificates

Certificates used when establishing secure SIP connections between InformaCast and other SIP devices. Used in conjunction with secure signalling, enables the exchange of RTP packets and DTMF tones in a secure fashion by using Secure Real-time Transport Protocol (SRTP).

SIP Certificates		
Name	Common Name	Certificate
informacast	ic158.lab.uplinx.com	<p>[0] Version: 3 SerialNumber: 444626923492311221341950456022583447956727380926 IssuerDN: EMAILADDRESS=support@uplinx.com, CN=ic158.lab.uplinx.com, OU=test, O=Test, L=test, ST=test, C=AD Start Date: Thu Dec 04 12:08:53 CST 2025 Final Date: Tue Dec 03 12:08:53 CST 2030 SubjectDN: EMAILADDRESS=support@uplinx.com, CN=ic158.lab.uplinx.com, OU=test, O=Test, L=test, ST=test, C=AD Public Key: RSA Public Key [99:66:dc:7c:3d:ed:09:89:55:4f:01:4b:6c:af:69:29:48:22:49:ca],[56:66:d1:a4] modulus: d64f969ab66d54b71a00ea2b0236966333b510f689b428551b966a1b857c7bb1f1649d062b843d0b983f0f663d0c9b302df13e219a7eb3a49c12df842545cfb33f1fc5f2ddcd8bac7e58345a4bcd5ce0f13051eb5a607821af1c0a7ca1274a9db3c4a0437c759307d339d6f7498da3bf4b429cf5fb4b073eab5ba6e09c690606201120c2c8b321c0079eb02f884f84b51e06d5e2598a1db8cb03f9608a2fdc8d321290fe2b5d717643d0a2cf813502d892e7b3b1121c50c6114bec5fbbcbceab39fba45e66093bd2cfa854f4b3b1ad4a16511acc3c2f2240e21abca57e226435d80836fa0c357d5b81eeefa129fc8512ab5c4940d0009f21f77f2d007de38ebf1 public exponent: 10001 Signature Algorithm: SHA256WITHRSA</p>

SIP Certificates		
Name	Common Name	Certificate
		Signature: d4d905fac5905cfffcbf4442a90fda58f5d1e8b1 b49142f09e912ec793343b391a318f1d22650627 fc3cbff302ae4003aa8f95cd3a16f74d36e10402 68891319a39d47d80f9c9389586bd2f6b23d6b85 3fe9c71d54459d19df6cf7c31ad1e234a884f44e 57761ba3a6ec732512e10bdaef9d34fee4bbf4d7 b83d9614f6b33afdb140da6511cc18ddabd0ab39 a1f1354762cbd3c00055d44d265ff1e42671c078 214a0fea462ec1cfa478a784ad457e283d7666f4 3ba7d83122939cc9d010321594c6a53d0cd47259 0afa2f69a1afb34a71764c4f4dcc69952fddfd29 e1a6800130c7042148d366f35dff71d51d9a43b6 643c9aa60ca4611d02c9f689044c7647 Extensions: critical(false) 2.5.29.37 value = Sequence ObjectIdentifier(1.3.6.1.5.5.7.3.1) ObjectIdentifier(1.3.6.1.5.5.7.3.2) critical(false) 2.5.29.14 value = DER Octet String[20] critical(false) KeyUsage: 0xb4 critical(true) BasicConstraints: isCa(false) critical(false) 2.5.29.17 value = Sequence Tagged [2] IMPLICIT DER Octet String[20] Tagged [2] IMPLICIT DER Octet String[10]

6.1.5.5 SIP Speaker Parameters

SIP Speaker Parameters define global SIP telephony settings for IP speakers including transport protocols, registration intervals, call ring time, DNS SRV configuration, and line-side connection parameters for UCaaS provider integration. These settings control how SIP-enabled speakers register with and communicate through the telephony infrastructure.

SIP Speaker Parameters	
Require Numeric SIP Speaker DN	N
Use DNS SRV	N
Telephony Providers (IPv4/DNS)	127.0.0.1
Options Ping Interval (seconds)	60
Registration Interval (seconds)	60
Call Ring Time (seconds)	15

6.1.5.6 Stack

Various low/level parameters for the SIP stack. InformaCast uses the National Institute of Standards and Technology (NIST) SIP stack to provide it with basic SIP functionality. The SIP stack provides InformaCast with fundamental low-level SIP functionality such as transaction handling, dialogs, utilities for SIP headers, maintenance of SIP timers, etc.

SIP Speaker Parameters	
Enable Detailed Logging	N
Max Forwards	70
Read Timeout	1000
Cache Client Connections	Y
Cache Server Connections	Y

6.1.5.7 SIP User Credentials

SIP peers may challenge InformaCast to provide valid credentials for its SIP realm when registering or terminating a SIP call. Lack of valid credentials for a challenging realm means that requests to it will be rejected. You should enter valid credentials for each SIP realm where you expect InformaCast to be challenged.

This section is optional depending on the security of your environment.

The following SIP credentials are present:

SIP User Credentials	
Realm	Authorization ID
aSipRealm	SipRealm

6.1.5.8 DNS SRV Records

DNS SRV Records configure Service Location through DNS for automatic SIP server discovery. This section displays the DNS SRV records that InformaCast queries to locate SIP services, showing the service domain, priority, weight, port, and target server addresses returned by DNS lookups for SIP connectivity.

DNS SRV Records			
Service: _sips_tcp.test.lab.uplinx.com.			
Service	User	Description	Current Priority
Users	SIP Registration	SIPaccount	-1

6.2 User Management

User Management controls authentication, authorization, and access to InformaCast functionality through user accounts, groups, and role-based permissions. Administrators can create internal users, integrate with LDAP directories, assign granular permissions through roles, and apply message/device filters to limit what users can access and broadcast to.

This section contains:

- Users - Individual user accounts with login credentials, assigned roles, group memberships, and access filters
- User Groups - Logical collections of users with shared role assignments and permission filters
- Roles - Permission templates defining what actions users can perform (send broadcasts, manage devices, configure system, etc.)
- Session Timeout - Automatic logout settings for inactive user sessions

6.2.1 Users

This section shows the list of users currently set up to use InformaCast. Users can be added and deleted, and roles can be set for each user.

Users		
Name	User Information	
admin	General	
	Login	admin
	First	Application
	Last Name	Administrator
	Roles	
	Roles	appAdmin dialCastAdmin groupAdmin keyAdmin messageAdmin

Users																					
Name	User Information																				
	<table border="1"> <tr> <td></td> <td>pagingGatewayAdmin schedAdmin speakerAdmin userAdmin</td> </tr> <tr> <td colspan="2">Groups</td> </tr> <tr> <td>Groups</td> <td>Superuser</td> </tr> <tr> <td colspan="2">Parent User Groups</td> </tr> <tr> <td>Parent User Groups</td> <td>Superuser</td> </tr> </table>		pagingGatewayAdmin schedAdmin speakerAdmin userAdmin	Groups		Groups	Superuser	Parent User Groups		Parent User Groups	Superuser										
	pagingGatewayAdmin schedAdmin speakerAdmin userAdmin																				
Groups																					
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api	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Login</td> <td>api</td> </tr> <tr> <td>First</td> <td>api</td> </tr> <tr> <td>Last Name</td> <td>api</td> </tr> <tr> <td colspan="2">Roles</td> </tr> <tr> <td>Roles</td> <td>appAdmin dialCastAdmin groupAdmin keyAdmin messageAdmin messageEditor messageSender messageSenderDNsRestricted pagingGatewayAdmin recordedAudioListener schedAdjuster schedAdmin schedEditor speakerAdmin userAdmin</td> </tr> <tr> <td colspan="2">Groups</td> </tr> <tr> <td>Groups</td> <td>API Group</td> </tr> <tr> <td colspan="2">Parent User Groups</td> </tr> <tr> <td>Parent User Groups</td> <td>API Group</td> </tr> </table>	General		Login	api	First	api	Last Name	api	Roles		Roles	appAdmin dialCastAdmin groupAdmin keyAdmin messageAdmin messageEditor messageSender messageSenderDNsRestricted pagingGatewayAdmin recordedAudioListener schedAdjuster schedAdmin schedEditor speakerAdmin userAdmin	Groups		Groups	API Group	Parent User Groups		Parent User Groups	API Group
General																					
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Groups																					
Groups	API Group																				
Parent User Groups																					
Parent User Groups	API Group																				

6.2.2 User Groups

This section shows the list of user groups currently set up to use InformaCast. User Groups can be added and deleted, users can be added or removed from groups, and roles can be set for each group.

Groups													
Name	Group Information												
API Group	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Name</td> <td>API Group</td> </tr> <tr> <td>Description</td> <td>Access to API</td> </tr> <tr> <td>hasFilters</td> <td>N</td> </tr> <tr> <td colspan="2">Roles</td> </tr> <tr> <td>Roles</td> <td>appAdmin dialCastAdmin groupAdmin keyAdmin messageAdmin messageEditor messageSender messageSenderDNsRestricted pagingGatewayAdmin recordedAudioListener schedAdjuster schedAdmin schedEditor speakerAdmin userAdmin</td> </tr> </table>	General		Name	API Group	Description	Access to API	hasFilters	N	Roles		Roles	appAdmin dialCastAdmin groupAdmin keyAdmin messageAdmin messageEditor messageSender messageSenderDNsRestricted pagingGatewayAdmin recordedAudioListener schedAdjuster schedAdmin schedEditor speakerAdmin userAdmin
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Name	API Group												
Description	Access to API												
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Superuser	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Name</td> <td>Superuser</td> </tr> <tr> <td>Description</td> <td>Has every role available.</td> </tr> <tr> <td>hasFilters</td> <td>N</td> </tr> <tr> <td colspan="2">Roles</td> </tr> <tr> <td>Roles</td> <td>appAdmin dialCastAdmin groupAdmin keyAdmin messageAdmin pagingGatewayAdmin schedAdmin speakerAdmin userAdmin</td> </tr> <tr> <td colspan="2">Users</td> </tr> <tr> <td>Users</td> <td>admin [Application, Administrator]</td> </tr> <tr> <td colspan="2">Messages - Limit Filters</td> </tr> <tr> <td>Messages</td> <td></td> </tr> <tr> <td colspan="2">Speakers - Limit Filters</td> </tr> <tr> <td>Speakers</td> <td></td> </tr> <tr> <td colspan="2">Bell Schedule - Limit Filters</td> </tr> <tr> <td>Bell Schedule</td> <td></td> </tr> <tr> <td colspan="2">Ring List - Limit Filters</td> </tr> <tr> <td>Ring List</td> <td></td> </tr> <tr> <td colspan="2">Recipient Group - Limit Filters</td> </tr> <tr> <td>Recipient Group</td> <td></td> </tr> </table>	General		Name	Superuser	Description	Has every role available.	hasFilters	N	Roles		Roles	appAdmin dialCastAdmin groupAdmin keyAdmin messageAdmin pagingGatewayAdmin schedAdmin speakerAdmin userAdmin	Users		Users	admin [Application, Administrator]	Messages - Limit Filters		Messages		Speakers - Limit Filters		Speakers		Bell Schedule - Limit Filters		Bell Schedule		Ring List - Limit Filters		Ring List		Recipient Group - Limit Filters		Recipient Group	
General																																					
Name	Superuser																																				
Description	Has every role available.																																				
hasFilters	N																																				
Roles																																					
Roles	appAdmin dialCastAdmin groupAdmin keyAdmin messageAdmin pagingGatewayAdmin schedAdmin speakerAdmin userAdmin																																				
Users																																					
Users	admin [Application, Administrator]																																				
Messages - Limit Filters																																					
Messages																																					
Speakers - Limit Filters																																					
Speakers																																					
Bell Schedule - Limit Filters																																					
Bell Schedule																																					
Ring List - Limit Filters																																					
Ring List																																					
Recipient Group - Limit Filters																																					
Recipient Group																																					

6.2.3 Roles

Roles are broad, predefined sets of capabilities. For example, there could be one role that only allows a user to send messages and another role that allows a user to create, send, and cancel messages. All roles are predefined, and editing a role simply consists of adding or removing groups assigned to the role.

This section shows a list of the predefined roles. Each role shows which users or groups are assigned to it.

Roles									
Name	Role Info								
appAdmin	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Description</td> <td>Permitted to modify application configuration settings.</td> </tr> <tr> <td colspan="2">Users</td> </tr> <tr> <td>Users - Internal</td> <td>admin api</td> </tr> </table>	General		Description	Permitted to modify application configuration settings.	Users		Users - Internal	admin api
General									
Description	Permitted to modify application configuration settings.								
Users									
Users - Internal	admin api								

Roles	
Name	Role Info
	User Groups User Groups - Internal API Group Superuser
dialCastAdmin	General Description Can configure DialCast. Users Users - Internal admin api User Groups User Groups - Internal API Group Superuser
groupAdmin	General Description Able to administer Recipient Groups and Tags. Users Users - Internal admin api User Groups User Groups - Internal API Group Superuser
keyAdmin	General Description May view and update the application's License Key. Users Users - Internal admin api User Groups User Groups - Internal API Group Superuser
messageAdmin	General Description Allowed to manage and send messages. Users Users - Internal admin api User Groups User Groups - Internal API Group Superuser
messageEditor	General Description Is able to send and edit existing messages, possibly with restrictions. Users Users - Internal api User Groups User Groups - Internal API Group
messageSender	General Description Can only send messages, possibly with restrictions. Users Users - Internal api User Groups User Groups - Internal API Group
messageSenderDNsRestricted	General Description Like messageSender, but recipient DN's must be in filtered recipient groups. Users

Roles													
Name	Role Info												
	<table border="1"> <tr> <td>Users - Internal</td> <td>api</td> </tr> <tr> <td colspan="2">User Groups</td> </tr> <tr> <td>User Groups - Internal</td> <td>API Group</td> </tr> </table>	Users - Internal	api	User Groups		User Groups - Internal	API Group						
Users - Internal	api												
User Groups													
User Groups - Internal	API Group												
pagingGatewayAdmin	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Description</td> <td>Can configure Paging Gateways.</td> </tr> <tr> <td colspan="2">Users</td> </tr> <tr> <td>Users - Internal</td> <td>admin api</td> </tr> <tr> <td colspan="2">User Groups</td> </tr> <tr> <td>User Groups - Internal</td> <td>API Group Superuser</td> </tr> </table>	General		Description	Can configure Paging Gateways.	Users		Users - Internal	admin api	User Groups		User Groups - Internal	API Group Superuser
General													
Description	Can configure Paging Gateways.												
Users													
Users - Internal	admin api												
User Groups													
User Groups - Internal	API Group Superuser												
recordedAudioListener	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Description</td> <td>Can listen to CallAware recorded audio.</td> </tr> <tr> <td colspan="2">Users</td> </tr> <tr> <td>Users - Internal</td> <td>api</td> </tr> <tr> <td colspan="2">User Groups</td> </tr> <tr> <td>User Groups - Internal</td> <td>API Group</td> </tr> </table>	General		Description	Can listen to CallAware recorded audio.	Users		Users - Internal	api	User Groups		User Groups - Internal	API Group
General													
Description	Can listen to CallAware recorded audio.												
Users													
Users - Internal	api												
User Groups													
User Groups - Internal	API Group												
schedAdjuster	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Description</td> <td>Can only apply exceptions to bell schedules, possibly with restrictions.</td> </tr> <tr> <td colspan="2">Users</td> </tr> <tr> <td>Users - Internal</td> <td>api</td> </tr> <tr> <td colspan="2">User Groups</td> </tr> <tr> <td>User Groups - Internal</td> <td>API Group</td> </tr> </table>	General		Description	Can only apply exceptions to bell schedules, possibly with restrictions.	Users		Users - Internal	api	User Groups		User Groups - Internal	API Group
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Description	Can only apply exceptions to bell schedules, possibly with restrictions.												
Users													
Users - Internal	api												
User Groups													
User Groups - Internal	API Group												
schedAdmin	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Description</td> <td>Able to schedule future and repeating messages and define bell schedules.</td> </tr> <tr> <td colspan="2">Users</td> </tr> <tr> <td>Users - Internal</td> <td>admin api</td> </tr> <tr> <td colspan="2">User Groups</td> </tr> <tr> <td>User Groups - Internal</td> <td>API Group Superuser</td> </tr> </table>	General		Description	Able to schedule future and repeating messages and define bell schedules.	Users		Users - Internal	admin api	User Groups		User Groups - Internal	API Group Superuser
General													
Description	Able to schedule future and repeating messages and define bell schedules.												
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User Groups													
User Groups - Internal	API Group Superuser												
schedEditor	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Description</td> <td>Is able to edit only existing bell schedules, possibly with restrictions.</td> </tr> <tr> <td colspan="2">Users</td> </tr> <tr> <td>Users - Internal</td> <td>api</td> </tr> <tr> <td colspan="2">User Groups</td> </tr> <tr> <td>User Groups - Internal</td> <td>API Group</td> </tr> </table>	General		Description	Is able to edit only existing bell schedules, possibly with restrictions.	Users		Users - Internal	api	User Groups		User Groups - Internal	API Group
General													
Description	Is able to edit only existing bell schedules, possibly with restrictions.												
Users													
Users - Internal	api												
User Groups													
User Groups - Internal	API Group												
speakerAdmin	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Description</td> <td>Able to administer IP Speakers and monitor microphone-equipped IP Speakers.</td> </tr> <tr> <td colspan="2">Users</td> </tr> <tr> <td>Users - Internal</td> <td>admin api</td> </tr> <tr> <td colspan="2">User Groups</td> </tr> <tr> <td>User Groups - Internal</td> <td>API Group Superuser</td> </tr> </table>	General		Description	Able to administer IP Speakers and monitor microphone-equipped IP Speakers.	Users		Users - Internal	admin api	User Groups		User Groups - Internal	API Group Superuser
General													
Description	Able to administer IP Speakers and monitor microphone-equipped IP Speakers.												
Users													
Users - Internal	admin api												
User Groups													
User Groups - Internal	API Group Superuser												
userAdmin	<table border="1"> <tr> <td colspan="2">General</td> </tr> <tr> <td>Description</td> <td>Able to administer security by defining Users, Groups and Roles.</td> </tr> </table>	General		Description	Able to administer security by defining Users, Groups and Roles.								
General													
Description	Able to administer security by defining Users, Groups and Roles.												

- SLP Parameters - Service Location Protocol configuration for IP speaker auto-discovery and service advertisement
- Network Parameters - Network interface settings, multicast configuration, and communication parameters
- LDAP - LDAP directory integration for user authentication and phone synchronization from corporate directories

6.3.1.1 Backup

This section shows InformaCast system configuration parameters and includes settings for:

- Backup
- System Scripts
- System Certificates
- Pre-Login Banner
- Post-Login Banner

System > Backup	
Job Description	InformaCast Data Backup
Backup functionality activated	N
Second	0
Minute	0
Hour	3

6.3.1.2 System Scripts

This section shows InformaCast system configuration parameters and includes settings for:

- Backup
- System Scripts
- System Certificates
- Pre-Login Banner
- Post-Login Banner

System > Scripting		
Name	Information	
GroupCacheRebuilt	Name	GroupCacheRebuilt
	description	Recipient Group Cache Rebuilt
	Script	no script present
BackupCompleted	Name	BackupCompleted
	description	Backup Completed
	Script	no script present
AppStarted	Name	AppStarted
	description	Application Started
	Script	no script present
AppStopping	Name	AppStopping
	description	Application Shutting Down
	Script	no script present
Idle	Name	Idle
	description	Idle
	Script	no script present

6.3.1.3 System Certificates

This section shows InformaCast system configuration parameters and includes settings for:

- Backup
- System Scripts
- System Certificates
- Pre-Login Banner
- Post-Login Banner

Server Certificate	
Certificate	<pre>[0] Version: 3 SerialNumber: 306321653342346578521808068316688315951452158208 IssuerDN: EMAILADDRESS=support@uplinx.com, CN=ic158.lab.uplinx.com, OU=test, O=Test, L=test, ST=test, C=AD Start Date: Thu Dec 04 12:04:56 CST 2025 Final Date: Tue Dec 03 12:04:56 CST 2030 SubjectDN: EMAILADDRESS=support@uplinx.com, CN=ic158.lab.uplinx.com, OU=test, O=Test, L=test, ST=test, C=AD Public Key: RSA Public Key [91:a9:b0:a7:1e:86:fe:c5:8c:01:65:34:df:20:d3:06:ac:d2:e3:d6],[56:66:d1:a4] modulus: b04bfed105f6c24c773ccd40d5a7357c7ddb610b791efe0bd948f6a98d82dd3af7c6cef9cc75b6e1b2cbd8ca5dea5cc96cfbee4a345d187fa8 8c813e9b2720f91443bdc5cec3e85d0b7108f5 30573de6af24510b8e3a3ede453bca65a6b9ab8d71d891d205de2544082d7ccbc7464075bf7d8317628f6cdc933402a51012c7b343784645 610265785fe8746981bf8da31f9d58da187c7511679b36d1d8ed507c74 6fd9f33a984522e46574f4438017f88a3eb89aceb2b1cb14af81315aa1acd8be4e55e88815eaf4d830ef8ae81b3d22799e46da53e2906aaa8f 989cae6b71c95e08158f414205356f8d3c3e1fe4aa2714dae641266a 3584a861830fabf0a33 public exponent: 10001 Signature Algorithm: SHA256WITHRSA Signature: 4cc8ecce932ce0181fcc307262fa0089b9fefe66 d2db5ec293fa1430aaf8fce9a827c73bdacad296 4afb4e61b699d40bda2b682f37ebb5cd68372d32 7be9c851e72a2fd300162ddb245a18da88c1a71b 1e13783c2749f656dadd33f9995c8df6378d2045 c4b689797ff1db9e9b5f7b112fb39ec99a9c71d1 2d7ff9b6c58b2de2596cd37744569a8778adb31c 2d51544ee01a6fe15f090dbd3b045e6e0e25f9fc e5f4ceb8a4f87c763b2bde16ab2490e828884553 25d2541aac0f86af427b57e9612e13c7be9c36ac f3b63e22e2af1f0b533d73542d5adf5c3947e0e4 cd44a58092ce327a065f6ec6bd81a2dcc0c3112b f872dff8878fba492b22ac0bf8b4b85 Extensions: critical(false) 2.5.29.37 value = Sequence ObjectIdentifier(1.3.6.1.5.5.7.3.1) ObjectIdentifier(1.3.6.1.5.5.7.3.2) critical(false) 2.5.29.14 value = DER Octet String[20] critical(false) KeyUsage: 0xb4 critical(true) BasicConstraints: isCa(false) critical(false) 2.5.29.17 value = Sequence Tagged [2] IMPLICIT DER Octet String[20] Tagged [2] IMPLICIT DER Octet String[10]</pre>

6.3.1.4 Pre-Login Banner

This section shows InformaCast system configuration parameters and includes settings for:

- Backup
- System Scripts
- System Certificates
- Pre-Login Banner
- Post-Login Banner

Pre-Login Banner	
Text	Hi there, login if you dare

6.3.1.5 Post-Login Banner

This section shows InformaCast system configuration parameters and includes settings for:

- Backup
- System Scripts
- System Certificates
- Pre-Login Banner
- Post-Login Banner

Post-Login Banner	
Text	You logged in, ready to fly

6.3.1.6 Post-Login Banner

This section shows InformaCast system configuration parameters and includes settings for:

- Backup
- System Scripts
- System Certificates
- Pre-Login Banner
- Post-Login Banner

Automatic Restart Policy	
Restart Policy	Never

6.3.2 Broadcast Parameters

Set your preferences for InformaCast's handling of the audio parameters for Cisco IP phones for Unified CM, IP speakers, and InformaCast Desktop Notifier instances, as well as the phone vibration and backlight display period for Cisco IP phones, several queued ad-hoc broadcast parameters, and the DN and authentication method for canceling broadcasts through a Cisco IP phone.

Broadcast Parameters	
Phone	
Enable Phone Vibration	Y
Vibration On Duration (milliseconds)	1500
Vibration Off Duration (milliseconds)	1000
Vibration Repetitions	2
Backlight Display Period (minutes)	20
Multicast	
Starting Multicast IP Address	239.0.1.2
Ending Multicast IP Address	239.0.1.12
Multicast TTL	16
Broadcast Settings	
Enable Message Blending	N
Number of Priority Levels	3
Broadcast History Retention Period (days)	7
Recording Limit (seconds)	300
Live Broadcast Limit (seconds)	300
Queued Broadcast Maximum Wait Time (seconds)	60
Queued Broadcast Retry Interval (seconds)	10
Queued Broadcast Send Threshold	75

Send Silence with DialCast IVR	N
Cancel Broadcasts Directory Number:	
Cancel Broadcasts Authentication Method	None

6.3.3 SLP Parameters

SLP (Service Location Protocol) parameters, which affect interactions between InformaCast and IP speakers, as well as between InformaCast and other applications.

SLP Parameters	
Enable SLP	Y
Publish Configuration File Service	Y
Publish SOAP Service	N
SLP Scope	Berbee Applications
URL of Configuration File Server	http://10.5.1.158:8081/InformaCast/resources

6.3.4 Voice Menus

The general voice menu governs InformaCast's behavior during live broadcasts and audio recording. Stall tones and Go tones can be set, as well as the 'No Active Recipients' audio message. The recording Prompt audio message can be set, and the Accept key and the Cancel key configured.

Voice > General	
--- Live Broadcast Parameters ---	
Stall Tone Audio	
Audio File	https://10.5.1.158:8444/InformaCast/RESTServices/V1/Admin/Voice/General/Audio/stallTone
Audio File Duration [ms]	239
Stall Tone Interval (seconds)	2
Go Tone Audio	
Audio File	https://10.5.1.158:8444/InformaCast/RESTServices/V1/Admin/Voice/General/Audio/goTone
Audio File Duration [ms]	915
No Active Recipients Audio	
Audio File	https://10.5.1.158:8444/InformaCast/RESTServices/V1/Admin/Voice/General/Audio/noActiveRecipients
Audio File Duration [ms]	5672
Recording Parameters	
--- Recording Prompt Audio ---	
Audio File	https://10.5.1.158:8444/InformaCast/RESTServices/V1/Admin/Voice/General/Audio/recordingPrompt
Audio File Duration [ms]	10024
Accept Key	#
Cancel Key	*

6.3.5 LDAP

Shows parameters for LDAP integration of InformaCast, including General, Authentication and Grouping parameters.

System > LDAP Integration	
Name	Information
Enable LDAP Integration	N

