Singlewire InformaCast Configuration Report

Customer

As-Built Documentation for project

24 July 2019

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1 Report Summary

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

Report Info	
Report date	24/07/2019 10:34:29
Report generated for	Customer
Description	As-Built Documentation for project
Server Info	
InformaCast version	12.5.1 - 194
InformaCast License Type	Advanced Notification Trial license
InformaCast IP	10.5.1.155
Report Settings	
Report Type	Direct Report
Visual style	Blu Light.css
Report Content	All objects
Template HTML	InformaCastreportTemplate.htm
Template Word	Bars_Phones_Green_Blue.doc
Report Tool Info	
Report Tool version	12.0.17 / ?? June 2019
Report Tool License	Licensed [Prof all]

2 Overview

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.

Bell Ring Lists can be defined to perform paging operations at regular times throughout a day, and Bell Schedules can be defined to schedule on which days the Bell Ring Lists should be performed.

3 Messages Menu

The Messages section is for creating and managing messages that will be broadcast by InformaCast, scheduled broadcasts and shows confirmation statistics.

This section shows the following information:

- Send or Edit Messages
- Scheduled Broadcasts
- Confirmation statistics

3.1 Messages

The Messages section allows creating, editing and sending messages. Messages are the basis of any InformaCast broadcast. They can consist of text and/or audio, be live or prerecorded, can skip phones in use or not, and their delivery can be synchronized or as available.

Messages	
Name	**Message Information**

Messages

Name	Message Information	
Basic Paging Live Broadcast	**General**	
	Description	Basic Paging Live Broadcast
	Short Text	
	Customizable	N
	Message Type	Live Audio
	Style	
	Audio	
	Delivery	Synchronized
	Activation Alert	
	Pre Tone	No Audio
	Post Tone	No Audio
	Wait Time	66
	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
Example Ad-Hoc Broadcast	**General**	
	Description	Example Ad-Hoc Broadcast
	Short Text	
	Customizable	N
	Message Type	Ad-Hoc Audio
	Style	
	Allow Queueing	Y
	Audio	
	Delivery	Synchronized
	Activation Alert	
	Pre Tone	No Audio
	Post Tone	No Audio
	Wait Time	5
	Skip Phones in Use	N
	Play Volume	As-Is
	Message Priority	2
	Replay Enabled	N
	Scripting	
	Data Setup	Empty
	Audio Replacement	Empty
	Send in Progress	Empty
	Queing	
	Send Threshold	2
	Failure Recipient Group	-1
	Failure Text	My Failure text. It failed. Sorry.
Example CallAware Message	**General**	
	Description	Example CallAware Message
	Short Text	Emergency call placed at ${time} on ${date}
	Customizable	Y
	Message Type	Text and Ad-Hoc Audio

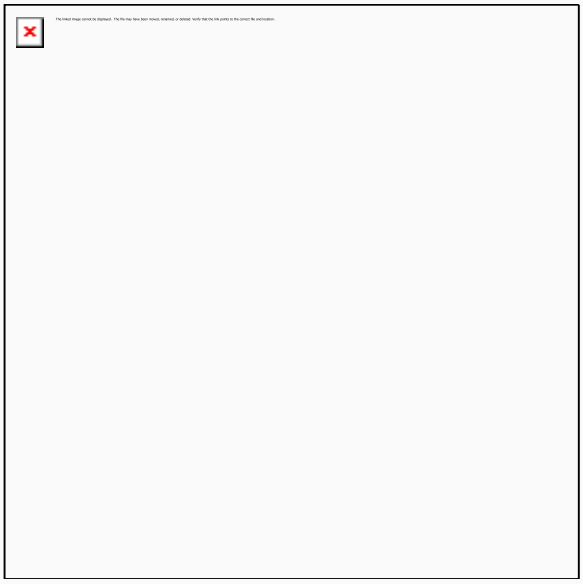
Messages	
Name	**Message Information**

Style	
Allow Queueing	N
Require Confirmation	Y
Text	
Persistent Text	True
Concatenate Text	False
Short Text	Emergency call placed at ${time} on ${date}
Long Text	
Text Length	43/0
Scroll Duration	3 Repetitions
Scroll Speed	5
Icon	
Icon Type	Default
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	3
Pause	1
Scripting	
Data Setup	Empty
Audio Replacement	Empty
Send in Progress	Empty
Confirmation	
Skip No-response Recipients	False
Set a Time Limit	99
Confirmation Mode	Acknowledge
Set Confirmations Needed	0
Escalate On Failure	N
Escalation Recipient Group	
Escalation Message Text	

Example failed mail server

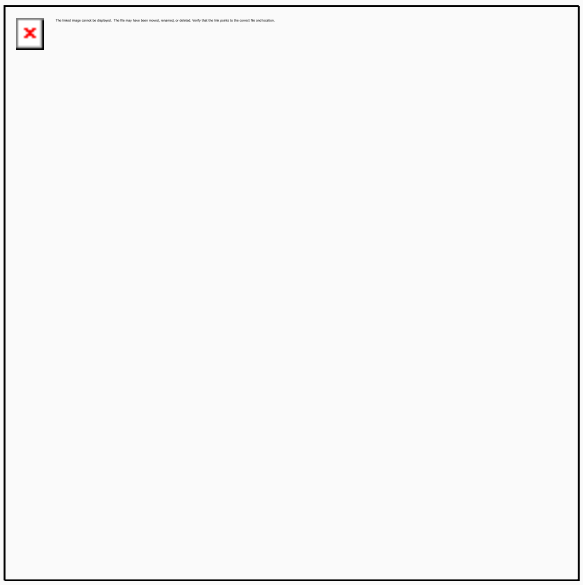
General	
Description	Example failed mail server
Short Text	Email is down at ${time} on ${date}
Customizable	N
Message Type	Text
Style	
Require Confirmation	N
Text	
Persistent Text	True
Concatenate Text	False

Messages	
Name	**Message Information**

Short Text	Email is down at ${time} on ${date}
Long Text	
Text Length	35/0
Scroll Duration	3 Repetitions
Scroll Speed	5
Icon	A 1.0kB icon file is present: warn.png
Icon Type	Other
Icon Image	
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 Hammer

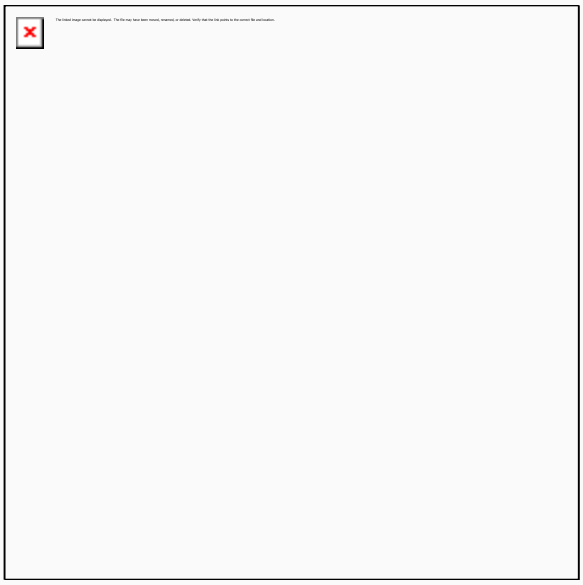
General	
Description	Example Hammer
Short Text	This is a broadcast of an industrial sounding hammer
Customizable	N
Message Type	Text and Pre-Recorded Audio
Style	
Require Confirmation	N
Text	
Persistent Text	True
Concatenate Text	False
Short Text	This is a broadcast of an industrial sounding hammer
Long Text	Some more text so the details button shows up.
Text Length	52/46
Scroll Duration	3 Seconds
Scroll Speed	5
Icon	A 1.0kB icon file is present: warn.png
Icon Type	Other

Messages	
Name	**Message Information**
	Icon Image 
	Audio
	Delivery: As Available
	Activation Alert:
	Pre Tone: No Audio
	Post Tone: No Audio
	Play Time: 6
	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: 1
	Scripting
	Data Setup: Empty
	Audio Replacement: Empty
	Send in Progress: Empty
Example Monthly Meeting	**General**
	Description: Example Monthly Meeting
	Short Text: Monthly company wide meeting is at 8:00. Press the details soft-key.
	Customizable: N
	Message Type: Text
	Style:
	Require Confirmation: N
	Text
	Persistent Text: True
	Concatenate Text: False
	Short Text: Monthly company wide meeting is at 8:00. Press the details soft-key.
	Long Text: The monthly company wide meeting is going to be held at 8:00 today. There will be an update on the current state of the company as well as a presentation on new application development by Ken Bywaters.
	Text Length: 69/202

Messages	
Name	**Message Information**

Scroll Duration	3 Repetitions
Scroll Speed	5
Icon	A 4.0kB icon file is present: singlewire-logo.png
Icon Type	Other
Icon Image	
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 Panic Button Message

General	
Description	Example Panic Button Message
Short Text	Panic button pressed on phone: ${phoneDescription} (ext. ${callingDN}) at ${time} on ${date}
Customizable	N
Message Type	Text and Pre-Recorded Audio
Style	
Require Confirmation	N
Text	
Persistent Text	True
Concatenate Text	False
Short Text	Panic button pressed on phone: ${phoneDescription} (ext. ${callingDN}) at ${time} on ${date}
Long Text	
Text Length	92/0
Scroll Duration	3 Repetitions
Scroll Speed	5
Icon	A 1.0kB icon file is present: warn.png
Icon Type	Other
Icon Image	

Messages

Name	Message Information

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
Style	
Allow Customization	N

Audio

Delivery	Synchronized
Activation Alert	
Pre Tone	No Audio
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	Empty
Send in Progress	Empty

Example Ring tone - Bell 2

General

Description	Example Ring tone - Bell 2
Short Text	
Customizable	N
Message Type	Pre-Recorded Audio

Messages	
Name	**Message Information**
	Style:
	Allow Customization: N
	Audio
	Delivery: Synchronized
	Activation Alert:
	Pre Tone: No Audio
	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: Empty
	Send in Progress: Empty
Example Ring tone - Bell 3	**General**
	Description: Example Ring tone - Bell 3
	Short Text:
	Customizable: N
	Message Type: Pre-Recorded Audio
	Style:
	Allow Customization: N
	Audio
	Delivery: Synchronized
	Activation Alert:
	Pre Tone: No Audio
	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: Empty
	Send in Progress: Empty
Example Ring tone - Clock chime	**General**
	Description: Example Ring tone - Clock chime
	Short Text:

Messages	
Name	**Message Information**
	Customizable: N Message Type: Pre-Recorded Audio Style: Allow Customization: N **Audio** Delivery: Synchronized Activation Alert: Pre Tone: No Audio 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: Empty Send in Progress: Empty
Example Ring tone - Ding dong	**General** Description: Example Ring tone - Ding dong Short Text: Customizable: N Message Type: Pre-Recorded Audio Style: Allow Customization: N **Audio** Delivery: Synchronized Activation Alert: Pre Tone: No Audio 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: Empty Send in Progress: Empty
Example Ring tone - Tone 1	**General**

Messages	
Name	**Message Information**

Description	Example Ring tone - Tone 1
Short Text	
Customizable	N
Message Type	Pre-Recorded Audio
Style	
Allow Customization	N
Audio	
Delivery	Synchronized
Activation Alert	
Pre Tone	No Audio
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	Empty
Send in Progress	Empty

Example Ring tone - Tone 2

General	
Description	Example Ring tone - Tone 2
Short Text	
Customizable	N
Message Type	Pre-Recorded Audio
Style	
Allow Customization	N
Audio	
Delivery	Synchronized
Activation Alert	
Pre Tone	No Audio
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	Empty
Send in Progress	Empty

Messages

Name	Message Information

Example Severe Weather

General	
Description	Example Severe Weather
Short Text	Severe weather is in the area at ${time} on ${date}.
Customizable	Y
Message Type	Text
Style	
Require Confirmation	N
Text	
Persistent Text	True
Concatenate Text	False
Short Text	Severe weather is in the area at ${time} on ${date}.
Long Text	
Text Length	52/0
Scroll Duration	3 Repetitions
Scroll Speed	5
Icon	A 2.0kB icon file is present: thunderstorm.png
Icon Type	Other
Icon Image	
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 Broadcast

General	
Description	Example Singlewire Broadcast
Short Text	This is a broadcast from Singlewire's Broadcast System!
Customizable	N
Message Type	Text and Pre-Recorded Audio
Style	
Require Confirmation	N
Text	
Persistent Text	True
Concatenate Text	False
Short Text	This is a broadcast from Singlewire's Broadcast System!
Long Text	
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	

Messages	
Name	**Message Information**
	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 Style: 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 Icon Image: **Audio** Delivery: Synchronized Activation Alert: Pre Tone: No Audio 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

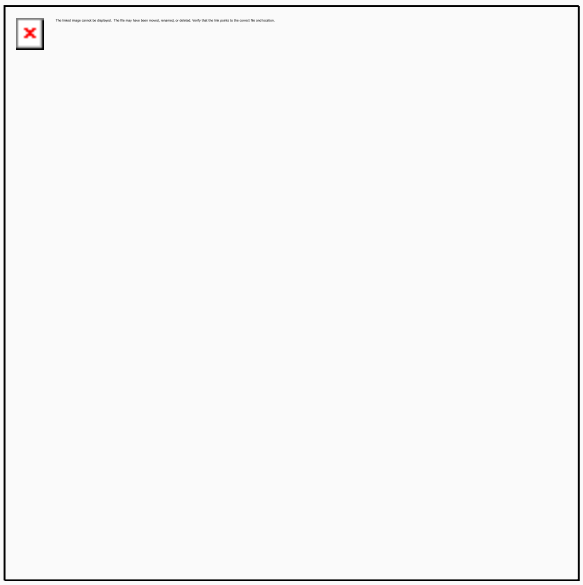
Messages	
Name	**Message Information**
	Scripting
	Data Setup: Empty
	Audio Replacement: Empty
	Send in Progress: Empty
Example Tornado	**General**
	Description: Example Tornado
	Short Text: There is a tornado in the area at ${time} on ${date}.
	Customizable: N
	Message Type: Text and Pre-Recorded Audio
	Style:
	Require Confirmation: N
	Text
	Persistent Text: True
	Concatenate Text: False
	Short Text: There is a tornado in the area at ${time} on ${date}.
	Long Text:
	Text Length: 53/0
	Scroll Duration: 3 Repetitions
	Scroll Speed: 5
	Icon: A 3.0kB icon file is present: tornado.png
	Icon Type: Other
	Icon Image:
	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
	Style:
	Require Confirmation: N
	Text

Messages	
Name	**Message Information**

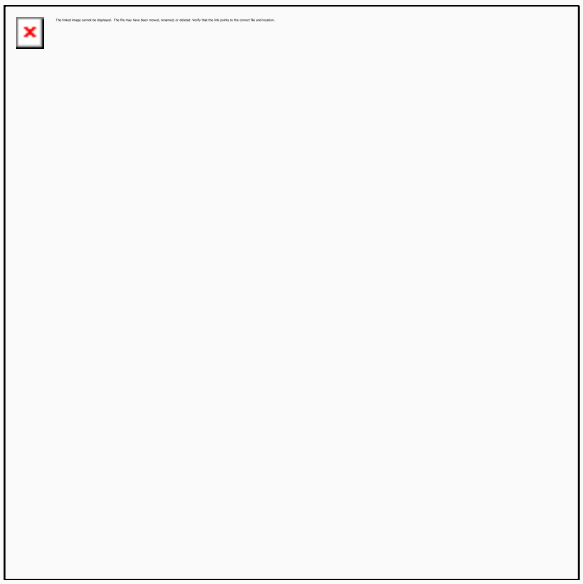
Persistent Text	True
Concatenate Text	False
Short Text	There is severe winter weather in the area at ${time} on ${date}.
Long Text	
Text Length	65/0
Scroll Duration	3 Repetitions
Scroll Speed	5
Icon	A 15.0kB icon file is present: icon2791269680474691730.png
Icon Type	Other
Icon Image	
Re-broadcasting	
Re-broadcast	N
Re-broadcast Until Stopped	N
Broadcast Count	1
Pause	1
Scripting	
Data Setup	Empty
Audio Replacement	Empty
Send in Progress	Empty

IC Trial Ending in 10 Days

General	
Description	IC Trial Ending in 10 Days
Short Text	Your trial of InformaCast Advanced Notification ends in 10 days! Contact sales@singlewire.com now to purchase a subscription to InformaCast or to extend your trial.
Customizable	N
Message Type	Text and Pre-Recorded Audio
Style	
Require Confirmation	N
Text	
Persistent Text	True
Concatenate Text	False
Short Text	Your trial of InformaCast Advanced Notification ends in 10 days! Contact sales@singlewire.com now to purchase a subscription to InformaCast or to extend your trial.
Long Text	
Text Length	165/0
Scroll Duration	3 Repetitions
Scroll Speed	5
Icon	A 1.0kB icon file is present: warn.png
Icon Type	Other

Messages	
Name	**Message Information**
	Icon Image 
	Audio
	Delivery: Synchronized
	Activation Alert:
	Pre Tone: No Audio
	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: Empty
	Send in Progress: Empty
IC Trial Ending in 30 Days	**General**
	Description: IC Trial Ending in 30 Days
	Short Text: Your trial of InformaCast Advanced Notification ends in 30 days! Contact sales@singlewire.com now to purchase a subscription to InformaCast or to extend your trial.
	Customizable: N
	Message Type: Text and Pre-Recorded Audio
	Style:
	Require Confirmation: N
	Text
	Persistent Text: True
	Concatenate Text: False
	Short Text: Your trial of InformaCast Advanced Notification ends in 30 days! Contact sales@singlewire.com now to purchase a subscription to InformaCast or to extend your trial.
	Long Text:

Messages	
Name	**Message Information**

Text Length	165/0
Scroll Duration	3 Repetitions
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	No Audio
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	Empty
Send in Progress	Empty

Oy Listen here

General	
Description	Oy Listen here
Short Text	Oy you
Customizable	N
Message Type	Talk and Listen
Style	
Text	
Persistent Text	True
Concatenate Text	False
Short Text	Oy you

Messages		
Name	**Message Information**	
	Long Text	Hey you, don't watch that, watch this.
	Text Length	6/38
	Scroll Speed	5
	Icon	
	Icon Type	Default
	Icon Image	
	Audio	
	Delivery	As Available
	Activation Alert	
	Pre Tone	No Audio
	Post Tone	No Audio
	Play Time	
	Skip Phones in Use	Y
	Play Volume	As-Is
	Message Priority	1
	Replay Enabled	N
	Scripting	
	Data Setup	Empty
	Audio Replacement	Empty
	Send in Progress	Empty

3.2 Scheduled Broadcasts

This section contains a list of scheduled broadcasts. Scheduled broadcasts allow arranging for an audio or text message to be sent at a prearranged time in the future, either once or on a recurring basis. Scheduled broadcasts can be added, edited and deleted here.

Scheduled Broadcasts		
Name	**Information**	
Scheduled Broadcast 1	Name	Scheduled Broadcast 1
	Message	Example Hammer
	Recipient Groups	(All Recipients)
	Schedule	Every Monday in January in 2020 at every minute
Scheduled Broadcast 2	Name	Scheduled Broadcast 2
	Message	Example Monthly Meeting
	Recipient Groups	(All Recipients)
	Schedule	Jul 24, 2019 at 9:08:00 AM

4 Recipients Menu

Messages are sent to recipients that can be organized into groups. Recipient groups, and exclusionary recipient groups, allow to organize recipients into groups that will either receive the broadcasts sent to them (recipient groups) or never receive broadcasts (exclusionary recipient groups). Furthermore tags can be created and assigned to different groups to mak it easier to choose groups for a broadcast.

In this section you will find:

- Recipient Groups
- Tags

4.1 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).

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: 0
Recipient Group 2	**General**
	Name: Recipient Group 2
	Dial Code: 9997
	Tags: tag1, tag2
	Recipients
	Filter Individually
	Enabled Filter Individually: Y
	Individually: IP Speaker: Speaker 2; MAC address 123412341000
	Filter with Recipient Groups
	Enabled Filter with Recipient Groups: Y
	Filter with Rules: (All Recipients) Recipient Group 3
	Filter with Rules
	Enabled Filter with Rules: Y
	Filter Logical Expression: OR
	Filter with Rules: CallManagerCSS | Does | CONTAINS | Auto | Ignore Case MACAddress | Does | CONTAINS | 1111 | Ignore Case DirectoryNumbers | Does | BEGINS_WITH | 7 | Case Sensitive
	Filter with Exclusions
	Enabled Filter with Exclusions: Y
	Exclusions: IP Speaker: Speaker1; MAC address 123412341234
	Statistics
	Num Phones: 0
	Num Speakers: 0
	Num Plugins: 0
Recipient Group 3	**General**
	Name: Recipient Group 3

Recipient Groups	
Name	**Recipient Information**
	Dial Code: 9995 Tags: tag1, tag2 **Recipients** **Filter Individually** Enabled Filter Individually: Y Individually: IP Speaker: Speaker1; MAC address 123412341234 IP Speaker: Speaker 2; MAC address 123412341000 **Filter with Recipient Groups** Enabled Filter with Recipient Groups: N **Filter with Rules** Enabled Filter with Rules: N **Filter with Exclusions** Enabled Filter with Exclusions: N **Statistics** Num Phones: 0 Num Speakers: 0 Num Plugins: 0

4.2 Tags

Recipient group tags allow finer control over the display results for recipient groups. Before recipient groups can be filtered through tags, these need to be defined.

The following table lists the configured tag names and their recipient group members:

Recipients > Tags	
Name	**Tag Members**
New Tag	
tag1	Recipient Group 2 Recipient Group 3
tag2	Recipient Group 2 Recipient Group 3

5 Speakers Menu

'IP speakers' are the end-points where the messages are broadcast from. They can include:

- Hardware IP speakers, e.g. network-attached loudspeakers, including SIP speakers for full-duplex intercom calls
- Hybrid devices
- Legacy Paging Interface (LPI) plugin paging zones
- Computers running the InformaCast Desktop Notifier
- The Singlewire Desktop Notification System, an application retired in favor of the InformaCast Desktop Notifier but still supported

This section includes:

- IP Speakers list

5.1 IP Speakers

'IP speakers' are the end-points where the messages are broadcast from.

This section includes the list of IP Speakers with their registration status and more info.

IP Speakers	
Name	**Information**
Speaker 2	**Device Information**

IP Speakers	
Name	**Information**
	Name: Speaker 2 Description: desc Speaker 2 Dial Code: 99002 MAC Address: 123412341000 Volume: 10 Scroll Speed Adjustment: 1 **Network** IP Address: Port: 80 Status: Not registered **Features** Desktop Notifier: N Has Display: N Has Rich Interface: N Capture High Quality Audio: N Playback High Quality Audio: N Can Listen: N Can Record: N Can Replay Audio: N Can Respond: N **Speaker for SIP-based intercom** Enable SIP Intercom: Y Speaker DN: 99102 DN to Dial: 99202 Microphone Volume: 5 Ring Volume: 5 Auto Answer: Y
Speaker 3 SIP	**Device Information** Name: Speaker 3 SIP Description: A SIP speaker Dial Code: 99005 MAC Address: 123412341232 Volume: 10 Scroll Speed Adjustment: -2 **Network** IP Address: Port: 80 Status: Not registered **Features** Desktop Notifier: N Has Display: N Has Rich Interface: N Capture High Quality Audio: N Playback High Quality Audio: N Can Listen: N Can Record: N Can Replay Audio: N Can Respond: N **Speaker for SIP-based intercom** Enable SIP Intercom: Y Speaker DN: 7965

IP Speakers		
Name	**Information**	
	DN to Dial	
	Microphone Volume	5
	Ring Volume	5
	Auto Answer	N
Speaker1	**Device Information**	
	Name	Speaker1
	Description	Speaker1 Desc
	Dial Code	99001
	MAC Address	123412341234
	Volume	10
	Scroll Speed Adjustment	0
	Network	
	IP Address	
	Port	80
	Status	Not registered
	Features	
	Desktop Notifier	N
	Has Display	N
	Has Rich Interface	N
	Capture High Quality Audio	N
	Playback High Quality Audio	N
	Can Listen	N
	Can Record	N
	Can Replay Audio	N
	Can Respond	N
	Speaker for SIP-based intercom	
	Enable SIP Intercom	N

6 Bells Menu

Bell schedules are a means to send patterns of scheduled messages (usually brief tones) to IP phones and IP speakers. Ring Lists specify a series of ring tones to be played at specific times of day and associate each tone with a set of recipient groups to which it will be played. The Bell Schedule specifies the Ring List to be used each day by mapping a repeating weekly pattern onto the calendar.

This section shows:

- Ring Lists
- Bell Schedules

6.1 Bell Ring Lists

Ring lists specify a series of ring tones to be played at specific times of day and the set of recipient groups that will receive each broadcast.

Bell RingLists				
Name	**Information**			
Ring List 1	Name	Ring List 1		
	id	2147483658		
	Description	Desc Ring List 1		
	Entries	**Name**	**Information**	
		Ring List 1	Id	2147483665
			time	09:00:00

Bell RingLists	
Name	**Information**

		bellTone	Example Ring tone - Bell 1
		bellToneid	895
		recipientGroupIds	-1
		RecipientGroups	(All Recipients)
	Ring List 1	Id	2147483666
		time	11:00:00
		bellTone	Example Ring tone - Bell 2
		bellToneid	896
		recipientGroupIds	-1
		RecipientGroups	(All Recipients)

Ring List 2			
	Name	Ring List 2	
	id	2147483661	
	Description	Desc Ring List 2	
	Entries	**Name**	**Information**
		Ring List 2	Id: 2147483687
			time: 09:00:00
			bellTone: Example Ring tone - Bell 1
			bellToneid: 895
			recipientGroupIds: -1
			RecipientGroups: (All Recipients)
		Ring List 2	Id: 2147483688
			time: 11:00:00
			bellTone: Example Ring tone - Ding dong
			bellToneid: 899
			recipientGroupIds: -1
			RecipientGroups: (All Recipients)

6.2 Bell Schedules

Bell Schedules control the ring lists that are used on specific calendar dates. Once Ring Lists are created, Bell Schedules set which days of the week the Ring Lists are played on. Exceptions can be set and appear here.

Bell Schedules			
Name	**Information**		
Bell Schedule 1	Name	Bell Schedule 1	
	Id	2147483662	
	Description	desc Bell Schedule 1	
	Start Date (yyyy-mm-dd)	2019-07-11	
	End Date (yyyy-mm-dd)	2019-07-18	
	Ring Lists	**Day**	**Ring List**
		Monday	
		Tuesday	Ring List 1
		Wednesday	
		Thursday	Ring List 2
		Friday	
		Saturday	Ring List 1

Bell Schedules			
Name	**Information**		
		Monday	Ring List 1
	Exceptions	< No records found >	

Bell Schedule 2					
	Name	Bell Schedule 2			
	Id	2147483663			
	Description	desc Bell Schedule 12			
	Start Date (yyyy-mm-dd)	2019-07-26			
	End Date (yyyy-mm-dd)	2019-07-31			
	Ring Lists	**Day**	**Ring List**		
		Monday	Ring List 1		
		Tuesday	Ring List 1		
		Wednesday	Ring List 2		
		Thursday	Ring List 2		
		Friday			
		Saturday			
		Monday			
	Exceptions	**Start Date**	**End Date**	**Description**	**Ring List**
		2019-07-26	2019-07-31		Ring List 1

7 Admin Menu

The Admin section provides access to the InformaCast application settings and configurations.

This section contains:

- Overview
- Licensing
- Telephony
- Voice
- Network Parameters
- Broadcast Parameters
- Desktop Parameters
- System Menus
- DialCast Menus
- SIP Menus

7.1 Overview

InformaCast configuration overview page.

Admin Overview	
InformaCast Server	
InformaCast Component Version	12.5.1 - 194 Advanced Notification Trial license
JTAPI Version	Cisco Jtapi version 8.6(2.24091)-1 Release
Start Time (local)	Wednesday, 10 July 2019 14:03:59
Current Time (local)	Wednesday, 24 July 2019 10:34:30
Application Mode	Stand-alone
SLP	
SLP Enabled	12.5.1 - 194 Advanced Notification Trial license
Publish Speaker Configuration URL	False
Publish SOAP API	True
Cisco Unified Communications Manager	
Default configuration	Version:

CTI Ports	
CTI Route Points	
SIP User Agent Status	
User Agent Status	User Agent is running
SIP Calls	
Speakers	
Number of Speakers Configured	3
Number of Speakers Registered	0
Number of Licensed Speakers	5
Backup	
Backup Activated	3
Next Scheduled Backup	0
LDAP Integration	
LDAP Authentication Enabled	True
LDAP Grouping Enabled	True
Next Scheduled LDAP Phone Update (local)	Wednesday, 24 July 2019 10:40:00
Phone Updates	
Last Attempted Phone Rebuild (local)	Wednesday, 24 July 2019 10:10:00
Last Successful Phone Rebuild (local)	Monday, 1 January 0001 00:00:00
Last Attempted Phone Refresh (local)	never
Last Successful Phone Refresh (local)	never
Number of Phones Retrieved	0
Number of Phones Used / Licensed	0 / 500
Next Phone Rebuild (local)	Wednesday, 24 July 2019 11:10:00
Phone Refresh Interval (minutes)	0
Multicast Ports	
Number of Multicast Ports Configured	301
Number of Multicast Ports Used by Audio Broadcasts	0
Number of Multicast Ports Used by Talk and Listen Messages	1
Number of Multicast Ports Unused	300

7.2 Licensing

InformaCast License Key information

In the context of Cisco Unified Communications Manager, 2 different licenses are available: Basic Paging supplied through an OEM agreement with Cisco, and this can be upgraded to the Advanced Notification package.

	Basic Paging	Advanced Notification
Live Audio Paging to Cisco IP Phones	✓ 50 Phones	✓ Unlimited
Powerful Emergency Notification System		✓
Integration to Exisiting Overhead Paging (Not available in Trial)		✓
Text and Audio to Cisco IP Phones and Other Endpoints		✓
Support for IP Speakers		✓
911 (Emergency) Call Alerting Recording (Not Available in Trial)		✓
Automatic Weather Notification		✓
Dynamic Conference Call		✓
Message Confirmation		✓
Pre-Recorded and Scheduled Broadcasts (Bell/Shift Scheduler)		✓
Notification to Computers and Social Media		✓
Reach Mobile/Remote Users		✓

Licensing
Overview

Application	InformaCast
Licensee	Contact Singlewire at sales@singlewire.com or +1.608.661.1140, option 1 to upgrade to a permanent advanced notification license.
License Manager URL	http://10.5.1.155:8101/LicenseManager
License Manager Available	True
Server IP Address	Not restricted
License Terms	
License Mode	Advanced Notification Trial
in TrialMode	True
Expiration	License Expiration: Sep 8, 2019
Server IPAddress	Not restricted
in Grace Period	False
Grace Expiration	N/A
Feature Codes	Audio MessageConfirmation
Application Parameters	
Hours Of Use	1440
Max Bell Schedules	10
Max IP Speakers	5
Max Phones	500
Max Version	12.6

7.3 Telephony

The Telephony section provides access to settings for Cisco Unified Communication Manager clusters, phone lists, external call control and LDAP phone lists.

In this section you will find:

- CUCM Clusters
- CUCM Phone Updates
- External Call Control
- LDAP Phone Updates

7.3.1 CUCM Clusters

List of Cisco Unified Communications Manager clusters whose phones will receive InformaCast broadcasts

CUCM Clusters		
Name	**Information**	
Default configuration	**CUCM Cluster Settings**	
	Name	Default configuration
	Primary CUCM Cluster	Y
	CUCM Application User	APPLICATION_USER
	Use Application User for AXL	N
	AXL User Name	AXL_USER
	AXL IP Address(es)	127.0.1.1
	CUCM IP Address(es)	127.0.0.1
	SNMP Settings	
	SNMP Version	SNMP Version 2
	SNMP v2 Community Name	*****

7.3.2 CUCM Phone Updates

This section defines on what schedule InformaCast will build a list of registered phones, and how often it will refresh that list.

CUCM Phone Updates

Job Description	Phone Data Update
Second	0
Minute	10
Hour	Every
Month	Every
Day of Month	Every
Week Day	Every
updateInterval	0

7.3.3 External Call Control

These are the Web Service URLs required when InformaCast is being used to provide external call control for Cisco Unified Communication Manager.

CUCM External Call Control	
Web Services URLs	
Primary	http://10.5.1.155:8081/InformaCast/admin?cmd=callRouting&token=wh4a1envea
Secondary	
Secure Web Services URLs	
Primary	https://IC155.lab.test:8444/InformaCast/admin?cmd=secureCallRouting&token=wh4a1envea
Secondary	

7.3.4 LDAP Phone Updates

This section defines on what schedule InformaCast will build a list of LDAP phones.

LDAP Phone Updates	
Job Description	LDAP Phone Update
Second	0
Minute	40
Hour	Every
Month	Every
Day of Month	Every
Week Day	Every

7.4 Voice Menus

Anytime a user picks up a phone to make a broadcast containing audio or to use the InformaCast DialCast functionality, they will come in contact with the Interactive Voice Response (IVR). This set of menus is customizable through this Voice section of the Admin menu. InformaCast voice menus can be modified as well as the tones/audio associated with them:

- General Voice Menu
- Inbound Call Voice Menu
- Broadcast Voice Menu

7.4.1 General

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://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/General/Audio/stallTone
Audio File Duration [ms]	239
Stall Tone	2

Interval (seconds)	
Go Tone Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/General/Audio/goTone
Audio File Duration [ms]	915
No Active Recipients Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/General/Audio/noActiveRecipients
Audio File Duration [ms]	5672
Recording Parameters	
--- Recording Prompt Audio ---	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/General/Audio/recordingPrompt
Audio File Duration [ms]	10024
Accept Key	#
Cancel Key	*

7.4.2 Voice Inbound

The Inbound Call voice menu determines the tones and audio files used when InformaCast handles incoming calls, and shows authentication parameters.

Voice > Inbound Call Voice Menu	
Invalid License Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Inbound/Audio/invalidLicense
Audio File Duration [ms]	6275
Call Answered Greeting Audio	
Enable Greeting	Y
Enable Break Key	Y
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Inbound/Audio/systemGreeting
Audio File Duration [ms]	3493
DN Not Recognized Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Inbound/Audio/dnNotConfigured
Audio File Duration [ms]	6139
--- Authentication Parameters ---	
Credential Input Method	1
Fixed-Length Input Length	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Inbound/Audio/authSuccess
Variable-Length Input Termination Key	#
Maximum Failures Allowed	3
Maximum Prompts Allowed	3
Greeting Audio	
Enable Greeting	Y
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Inbound/Audio/authGreeting
Audio File Duration [ms]	4126
Login Prompt Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Inbound/Audio/authLogin
Audio File	2237

Duration [ms]	
Password Prompt Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Inbound/Audio/authPassword
Audio File Duration [ms]	1470
Failure Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Inbound/Audio/authFailed
Audio File Duration [ms]	3567
Success Audio	
Enabled	Y
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Inbound/Audio/authSuccess
Audio File Duration [ms]	1848
PIN Prompt Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Inbound/Audio/authPin
Audio File Duration [ms]	2690
DTMF Parameters	
Timeout (seconds)	0
Inter-Digit Timeout (seconds)	0
Break Key	#

7.4.3 Broadcast

The broadcast voice menu determines the audio files used by InformaCast when triggering broadcasts prompted by incoming calls. They include the audio messages for success or failure of the broadcast and broadcast cancel operations.

Broadcast Voice Menu	
--- Send Broadcast Audio ---	
Success Audio	
Enable Success Audio	Y
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Broadcast/Audio/success
Audio File Duration [ms]	2170
Failure Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Broadcast/Audio/fail
Audio File Duration [ms]	2753
Missing Broadcast Component Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Broadcast/Audio/missingComponent
Audio File Duration [ms]	7035
--- Cancel Broadcasts Audio ---	
Success Audio	
Enable Broadcasts Audio	Y
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Broadcast/Audio/cancelBroadcastsSuccess
Audio File Duration [ms]	3001
Failure Audio	
Audio File	https://10.5.1.155:8444/InformaCast/RESTServices/V1/Admin/Voice/Broadcast/Audio/fail

Audio File Duration [ms]	2753

7.5 Network Parameters

This section shows network configuration parameters for InformaCast.

The section includes:

- Session Timeouts
- SLP Parameters
- Speaker Parameters
- SIP Speaker Parameters

7.5.1 Session Timeouts

Session timeout values, which affect how often credentials must be provided when using InformaCast.

Session Timeouts	
General Session Timeout (seconds)	300
Phone Session Timeout (seconds):	60

7.5.2 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	N
Publish SOAP Service	Y
SLP Scope	Berbee Applications
URL of Configuration File Server	http://10.5.1.155:8081/InformaCast/resources

7.5.3 Speaker Parameters

This section covers IP Speaker automatic registration parameters. InformaCast sees several different endpoint types as "IP speakers," including hardware IP speakers, computers running the InformaCast Desktop Notifier (IDN, formerly the Singlewire Desktop Notification System), hybrid devices, and Legacy Paging Interface (LPI) plugin paging zones.

Speaker Parameters	
Automatically Add Hardware IP Speakers	N
Automatically Added Hardware IP Speaker Volume	10
Automatically Add IDN Instances and LPI Plugin Paging Zones	N
Automatically Added IDN Instances and LPI Plugin Paging Zones Volume	10
Automatically Remove Unregistered IDN Instances (days)	0
Registration Interval (seconds)	300
Capture Keepalive Interval (seconds)	2

7.5.4 SIP Speaker Parameters

Network settings for SIP Speakers.

SIP Speaker Parameters	
Telephony Providers	127.0.0.1
SIP Transport Protocol	TCP
SIP OPTIONS Ping Interval (seconds)	60
SIP Registration Interval (seconds)	60
Call Ring Time (seconds)	15

7.6 Broadcast Parameters

Shows whether InformaCast uses JTAPI or HTTP when communicating with your Unified Communications Manager, and shows preferences for InformaCast's handling of the audio parameters for IP phones, IP speakers, computers running the InformaCast Desktop Notifier etc., 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 over the phone.

Broadcast Parameters	
Send Commands to Phones by JTAPI	N
JTAPI Static Terminals Enabled	N
Starting Multicast IP Address	239.0.1.2
Ending Multicast IP Address	239.0.1.2
Multicast TTL	16
Enable Message Blending	Y
Number of Priority Levels	3
Broadcast History Retention Period	7
Recording Limit	300
Live Broadcast Limit	300
Enable Phone Vibration	N
Queued Broadcast Maximum Wait Time	60
Queued Broadcast Retry Interval	10
Queued Broadcast Send Threshold	75
Queued Broadcast Maximum Wait Time	60
Send Silence with DialCast IVR	N
Cancel Broadcasts Directory Number:	
Cancel Broadcasts Authentication Method	None

7.7 Desktop Parameters

Shows access status to several commands available in the InformaCast Desktop Notifier menu: Clear, Exit, and Start/Stop Broadcasts. Also shows if the Singlewire logo appears by default in the Broadcast window or if a custom logo has been provided to show in its place.

Desktop Parameters	
Clear Menu Option	allow
Exit Menu Option	allow
Start/Stop Broadcasts Menu Option	allow
Logo	A 24.0kB logo is present: logo.png
Logo Image	

7.8 System Menus

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

- Backup
- Scripting
- Reporting
- LDAP Integration

Version 12 and later:

- Call Detail Records
- Server Certificate
- Client Certificates
- SSL Parameters
- Client Certificates
- Login Banners

7.8.1 Backup

Shows whether scheduled backup jobs are activated, and what schedule they follow.

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

7.8.2 Scripting

InformaCast's system scripting functionality allows uploading scripts that are triggered when certain events take place. This section shows the 5 predefined events, and the script for each one if present.

System > Scripting

Name	Information	
GroupCacheRebuilt	Name	GroupCacheRebuilt
	description	Recipient Group Cache Rebuilt

	Script	// A script that can be used for sending email notifications
		// upon the completion of the recipient group update
		
		// Function to 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);
		}
		
		if ((cacheUpdateInfo.newDeviceCount == 0 && cacheUpdateInfo.oldDeviceCount != 0)
		|| (cacheUpdateInfo.exception != null)) {
		
		// Email notifications are sent only if the recipient group cache
		// gets empty after finishing the update or if an exception occurs
		// in the course of update
		
		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@mycompany.com");
		addToRecipient(message, "jane.doe@mycompany.com");
		message.setSubject("Recipient Group Cache Rebuilt");
		
		var text =
		'Devices in the cache before update: ' + cacheUpdateInfo.oldDeviceCount + '\n';
		text +=
		'Devices in the cache after update: ' + cacheUpdateInfo.newDeviceCount + '\n';
		
		if (cacheUpdateInfo.exception == null) {
		text += "\nNo exceptions were thrown";
		} else {
		text += "\nThe following exception was thrown:\n";
		var stackTrace = new java.io.StringWriter();
		cacheUpdateInfo.exception.printStackTrace(new java.io.PrintWriter(stackTrace));
		text += stackTrace.toString();
		}
		
		// Wrap the text as a MIME body part
		var part = new javax.mail.internet.MimeBodyPart();
		part.setContent(text, "text/plain");
		
		// Set up the multipart content of the message,
		// using the only text part.

System > Scripting	
Name	**Information**

	var content = new javax.mail.internet.MimeMultipart();
	content.addBodyPart(part);
	
	// Assemble and send the message
	message.setContent(content);
	javax.mail.Transport.send(message);
	
	}

BackupCompleted	Name: BackupCompleted
	description: Backup Completed
	Script: // Function to 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 += "Sent to recipients: " + messageInfo.recipientDescription + " [keys: ";
	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");
	
	// 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

System > Scripting	
Name	**Information**

	message.setContent(content);
	javax.mail.Transport.send(message);
	
	// Trigger auto-dialer script
	//new java.net.URL("http://serverip:8080/AutoDialer/remoteDialing.do").
	// getContent();

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

7.8.3 LDAP Integration

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

System > LDAP Integration		
Name	**Information**	
LDAP General	Use Automatic Service Discovery	N
	LDAP Host Name	10.5.1.166
	LDAP Port	389
	Use SSL	N
	Authentication Method	Simple
	LDAP Administrator Distinguished Name	
	Schema Type	OpenDS
	Enable Authenticating Users Via LDAP	Y
	Enable Grouping Recipients via LDAP:	Y
Authentication	Enable Authenticating Users Via LDAP	LDAP
	Search Base Distinguished Name	DC=lab,DC=test
	Valid User Filter	(sn=*)
	Valid User Group Filter	
	Maximum Number of Users	1000
Grouping	Phone Extension Attribute	ipphone

7.8.4 Call Detail Records

This section shows whether InformaCast is configured to write Call Detail Records, and the record retention period.

Call Detail Records	
Write Call Detail Records	Y
Call Detail Records Retention Period	1

7.8.5 Server Certificate

Shows the InformaCast server certificate. Clients (e.g. browsers) use this certificate when establishing secure connections with the InformaCast server.

Server Certificate

Certificate	[0] Version: 3 SerialNumber: 1382131933019758271 7 IssuerDN: EMAILADDRESS=sw@gmail.com, CN=IC155.lab.test, OU=UPLINX, O=Test, L=test, ST=test, C=tv Start Date: Wed Jul 10 07:02:31 CDT 2019 Final Date: Mon Jul 08 07:02:31 CDT 2024 SubjectDN: EMAILADDRESS=sw@gmail.com, CN=IC155.lab.test, OU=UPLINX, O=Test, L=test, ST=test, C=tv Public Key: RSA Public Key modulus: df0fbf285ad710ec1a03c7fcb68ae972fe62dd0d961caed62b8ccb9293ff29d977c8feb83513d57f474f3b15143bf7995d95fc2527e575521c2fd2d48531 afc9afcc31982861035fc08913fbbf7baded4cb65c47c5c36dd8f0c1ebefdf16a12c59bcff7f43ab09c805f698576f98f1e85ba14c662e61525e86c82bed3c 130c4aac3e41ac01f00db7e9a80a5ae1980e8dc20bc98093cec2de3c4ec5189ab26e21b888a6aaf36aca4570b56df0f36bb120894737751a38ac05ed bb2c89d5538134ffe8cb6da8ef9520760cd310fe7df58a0f6f1af4ee55891c85b36cd0c34e5359c96882fb958b17d447c3a9e7ac2ff1a12a109f998b0ca2 34553c434074df75c9 public exponent: 10001 Signature Algorithm: SHA256WITHRSA Signature: a5e556ef332e21b0dde89e4e62a7ae1d7c82cd40 21866ee1ed7cb38367a7dd83057616a0dedef889 53c911cf87e15f5847f1e6ba9a90a4cce91ace25 0c30517855366b572a59992052a79895bbb8d9e2 3b8456845e7f8163fbc6db16496447ca36abfbbb a8fa68d485534daef810a35a7c6a11eb9045cdaf bd9725c29f8562f69c54774afc8640c71f1a55fe e9cfbdd83e28d2ee14e80ad0d49d095d7bad2255 8c9cbf36d8a976266303649c9a93ec044b0c6a01 f614bc2597354d407e1a265caa61141347ed013c 8c3735bb14ca00073ea7f3f9bcfdd785693c0aec 08b7b5976523da4ab68c2d875d24825a38d82889 a5346ad84030e02b5567bca756ac3569 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), pathLenConstraint = 0 critical(false) 2.5.29.17 value = Sequence Tagged [2] IMPLICIT DER Octet String[14]

7.8.6 Client Certificates

Shows the client certificates. These are used when establishing secure connections between InformaCast and external services.

Client Certificates	
Name	**Information**
IC155.lab.test	[0] Version: 3 SerialNumber: 1382131933019758271 7 IssuerDN: EMAILADDRESS=sw@gmail.com, CN=IC155.lab.test, OU=UPLINX, O=Test, L=test, ST=test, C=tv Start Date: Wed Jul 10 07:02:31 CDT 2019 Final Date: Mon Jul 08 07:02:31 CDT 2024 SubjectDN: EMAILADDRESS=sw@gmail.com, CN=IC155.lab.test, OU=UPLINX, O=Test, L=test, ST=test, C=tv Public Key: RSA Public Key modulus: df0fbf285ad710ec1a03c7fcb68ae972fe62dd0d961caed62b8ccb9293ff29d977c8feb83513d57f474f3b15143bf7995d95fc2527e575521c2fd2d4853 1afc9afcc31982861035fc08913fbbf7baded4cb65c47c5c36dd8f0c1ebefdf16a12c59bcff7f43ab09c805f698576f98f1e85ba14c662e61525e86c82be d3c130c4aac3e41ac01f00db7e9a80a5ae1980e8dc20bc98093cec2de3c4ec5189ab26e21b888a6aaf36aca4570b56df0f36bb120894737751a38ac 05edbb2c89d5538134ffe8cb6da8ef9520760cd310fe7df58a0f6f1af4ee55891c85b36cd0c34e5359c96882fb958b17d447c3a9e7ac2ff1a12a109f998 b0ca234553c434074df75c9 public exponent: 10001 Signature Algorithm: SHA256WITHRSA Signature: a5e556ef332e21b0dde89e4e62a7ae1d7c82cd40 21866ee1ed7cb38367a7dd83057616a0dedef889 53c911cf87e15f5847f1e6ba9a90a4cce91ace25 0c30517855366b572a59992052a79895bbb8d9e2 3b8456845e7f8163fbc6db16496447ca36abfbbb

Client Certificates	
Name	**Information**
	a8fa68d485534daef810a35a7c6a11eb9045cdaf bd9725c29f8562f69c54774afc8640c71f1a55fe e9cfbdd83e28d2ee14e80ad0d49d095d7bad2255 8c9cbf36d8a976266303649c9a93ec044b0c6a01 f614bc2597354d407e1a265caa61141347ed013c 8c3735bb14ca00073ea7f3f9bcfdd785693c0aec 08b7b5976523da4ab68c2d875d24825a38d82889 a5346ad84030e02b5567bca756ac3569 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), pathLenConstraint = 0 critical(false) 2.5.29.17 value = Sequence Tagged [2] IMPLICIT DER Octet String[14]

7.8.7 SSL Parameters

This section shows SSL parameters, and how InformaCast should behave with untrusted certificates.

Admin > System > SSL_Parameters	
Automatically import untrusted certificates	Y

7.8.8 Login Banners

Shows the text that should be displayed before and after user authentication.

Admin > System > Login Banners	
na	API for Login Banner does not exist but will be added later according to InformaCast

7.9 DialCast Menus

These are the DialCast parameters. DialCast allows a user to dial a SIP number configured with a dialing pattern that determines which InformaCast message should be sent and which recipient groups should receive it.

The secton shows:

- Dialing Configurations
- SIP Phone Exceptions

7.9.1 Dialing Configurations

This is the list of Dialing Configurations for the DialCast system. InformaCast uses these dialing configurations to trigger broadcasts by matching the called DN to a dialing pattern and then initiating a broadcast that uses the configuration's message and recipients.

Dialing Configurations		
Name	**Dialing Configurations Information**	
77771	Dialing Pattern	77771
	Authentication Method	
	Authentication Type	PIN
	PIN	*****
	Message to Broadcast	
	Message Description	Message Desc

Dialing Configurations	
Name	**Dialing Configurations Information**
	Broadcast Recipients
	Recipient Groups: (All Recipients)
	Recipient Group Name: Broadcast 1
	Dial Codes: 999998
	DNs: 999998
777888	Dialing Pattern: 777888
	Authentication Method
	Authentication Type: User Login and Password
	Message to Broadcast
	Message: Example Ad-Hoc Broadcast
	Broadcast Recipients
	Recipient Groups: (All Recipients)
	Recipient Group Name: Broadcast 2
	Dial Codes: 99997
	DNs: 99997

7.9.2 SIP Phone Exceptions

These entries define exceptions to the rules established by dialing configurations and voice menus. the list is ordered by phone DN.

Phone Exceptions	
Name	**Phone Exceptions Information**
8887	Phone DN: 8887
	Authentication
	Override authentication method: Y
	Authentication Type: None
	Call Answered Greeting Audio
	Override voice menu: Y
	Greeting: Enable Greeting
	Enable break key: N
88888	Phone DN: 88888
	Authentication
	Override authentication method: Y
	Authentication Type: PIN
	PIN: *****
	Call Answered Greeting Audio
	Override voice menu: Y
	Greeting: Disable Greeting
	Enable break key: N

7.10 SIP Menus

This section provides the parameters for SIP access to InformaCast. In order to use DialCasts and the Legacy Paging Interface plugin, or make full-duplex intercom calls, you must first configure Session Initiation Protocol (SIP), which is supported by a growing number of PBXs and telephony devices, and provides InformaCast with the capability to receive SIP calls, allowing other SIP devices (in this case, Unified Communications Manager) to locate and call InformaCast.

Here you will find settings for:

- SIP Access
- SIP Call Security
- SIP User Credentials
- SIP Certificates

- SIP Stack

7.10.1 SIP 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	Allow
Subnet Exceptions	SIP Access: 1.1.1.0/24 — Deny; 1.1.2.0/24 — Deny

7.10.2 SIP Call Security

This section shows the security parameters for SIP calls to InformaCast.

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

7.10.3 SIP User Credentials

Shows a list of credentials used by InformaCast when authenticating with other SIP servers.

SIP User Credentials	
User	**Realm**
user2	realm2
user1	realmxx

7.10.4 SIP Certificates

Certificates used when establishing secure SIP connections between InformaCast and other SIP devices.

SIP Certificates	
Name	**Information**
informacast	[0] Version: 3 SerialNumber: 72319898 IssuerDN: CN=InformaCast-10.5.1.155 Start Date: Wed Jul 10 07:03:34 CDT 2019 Final Date: Sat Nov 24 06:03:34 CST 2046 SubjectDN: CN=InformaCast-10.5.1.155 Public Key: RSA Public Key modulus: cb85d3ded20ea82c6239dcfae6628eada20a630e6b998e4c13b6fd5d2c0c187575e5202375aa66d8cf28fa4fa462a32fa5fd89f8cc03a4ec1733216a2b 14e0f8b869a421bbffeca2d1de5665deae94280917a74cb6493d660deadb8ef1ef188857b231d73b77a1045db83b2eedde13b3c5a8361b394cc7ea99 8c0c37f77f081282540f5f7b0d44b68dff75343ecac8ad41ce14ebba7fc90c5e0c31902bdba74e16f91776994db2ae839dc445219d7a1d0c87de00f1b0f eb31b57c55a15a9d1135d1ed269bdc6f923f5f2d7c87a1fd22eeb736c949829ad342feb9dd75ab337e08c6623fd3a977bbc192536abfa6a6f86ff74512 7f45c46582054431c589642eb public exponent: 10001 Signature Algorithm: SHA256WITHRSA Signature: 202d74d8518b49be4903433fea2d3b3022b53f77 37726d0330fc3faa5356212d740ceee2aa075a38 dde4b521ca36e093d0467a40ca1414fa3a421630 0f52afa23c7f8e7783954bdcdd0b1c31cf989e49 817952a47bd1b006967a95adc9b878417e5b33ab 462f54ea86cbb6425af0fdf571845f32d54b3667 e32a2575febb2f371bcaf7125a8f452e5daec14a

SIP Certificates	
Name	**Information**
	ba99f516cbd573879b3a123d6cdd16167ebc0718 f044f6f9736833f35cac0d7311c74e65a409d4f4 d31fd8d9bbfdd44f7693c5cd6fb73f637a561c91 cece8bdb0a408ae24889ff76643b94d4aabc7a6f 9d7147ce101f0b23fdbc4f696af67b461263d657 8005a0ec23f5bbecc6a2671573f033db Extensions: critical(false) 2.5.29.14 value = DER Octet String[20]

7.10.5 SIP 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

7.11 Users Menus

InformaCast maintains a user list that allows setting different roles to different Users and User Groups. The user administration section is for managing the lists of roles, users and groups.

The section includes:

- Roles
- Users
- Groups

7.11.1 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	**General**	
	Description	Permitted to modify application configuration settings.
	Users	
	Users - Internal	admin tuser
	Users - Active Directory	agent1 agent2 ajolie
	User Groups	
	User Groups - Internal	Superuser UserGroup2
	User Groups - Active Directory	Domain Guests Domain Users
groupAdmin	**General**	

Roles	
Name	**Role Info**
	Description: Able to administer Recipient Groups, Tags, and Hybrid Devices. **Users** Users - Internal: admin, tuser Users - Active Directory: **User Groups** User Groups - Internal: Superuser, UserGroup2 User Groups - Active Directory:
keyAdmin	**General** Description: May view and update the application's License Key. **Users** Users - Internal: admin, tuser Users - Active Directory: agent1, agent2, mkadmin **User Groups** User Groups - Internal: Superuser, UserGroup2 User Groups - Active Directory: Administrators, Allowed RODC Password Replication Group, Backup Operators
messageAdmin	**General** Description: Allowed to manage and send messages. **Users** Users - Internal: admin, tuser Users - Active Directory: **User Groups** User Groups - Internal: Superuser User Groups - Active Directory:
messageEditor	**General** Description: Is able to send and edit existing messages, possibly with restrictions. **Users** Users - Internal: admin, tuser Users - Active Directory: **User Groups** User Groups - Internal: UserGroup1 User Groups - Active Directory:
messageSender	**General** Description: Can only send messages, possibly with restrictions. **Users** Users - Internal: admin, tuser Users - Active Directory: **User Groups** User Groups - Internal: UserGroup1 User Groups - Active Directory:
messageSenderDNsRestricted	**General** Description: Like messageSender, but recipient DNs must be in filtered

Roles	
Name	**Role Info**
	recipient groups.
	Users
	Users - Internal: admin, tuser
	Users - Active Directory:
	User Groups
	User Groups - Internal: UserGroup1
	User Groups - Active Directory:
recordedAudioListener	**General**
	Description: Can listen to CallAware recorded audio.
	Users
	Users - Internal: admin, tuser
	Users - Active Directory:
	User Groups
	User Groups - Internal: UserGroup1
	User Groups - Active Directory:
schedAdjuster	**General**
	Description: Can only apply exceptions to bell schedules, possibly with restrictions.
	Users
	Users - Internal:
	Users - Active Directory:
	User Groups
	User Groups - Internal:
	User Groups - Active Directory:
schedAdmin	**General**
	Description: Able to schedule future and repeating messages and define bell schedules.
	Users
	Users - Internal: admin
	Users - Active Directory:
	User Groups
	User Groups - Internal: Superuser
	User Groups - Active Directory:
schedEditor	**General**
	Description: Is able to edit only existing bell schedules, possibly with restrictions.
	Users
	Users - Internal: tuser
	Users - Active Directory:
	User Groups
	User Groups - Internal:
	User Groups - Active Directory:
speakerAdmin	**General**
	Description: Able to administer IP Speakers and monitor microphone-equipped IP Speakers.
	Users
	Users - Internal: admin
	Users - Active Directory:
	User Groups

Roles	
Name	**Role Info**
	User Groups - Internal: Superuser User Groups - Active Directory:
speakerMonitor	**General** Description: May monitor microphone-equipped IP Speakers, possibly with restrictions. **Users** Users - Internal: admin Users - Active Directory: **User Groups** User Groups - Internal: Superuser User Groups - Active Directory:
userAdmin	**General** Description: Able to administer security by defining Users, Groups and Roles. **Users** Users - Internal: admin Users - Active Directory: **User Groups** User Groups - Internal: Superuser User Groups - Active Directory:

7.11.2 Users

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 groupAdmin keyAdmin messageAdmin messageEditor messageSender messageSenderDNsRestricted recordedAudioListener schedAdmin speakerAdmin speakerMonitor userAdmin **Groups** Groups: UserGroup1 UserGroup2 **Parent User Groups** Parent User Groups: UserGroup1 UserGroup2
tuser	**General** Login: tuser First: Test Last Name: User **Roles**

Users	
Name	**User Information**
	Roles: appAdmin, groupAdmin, keyAdmin, messageAdmin, messageEditor, messageSender, messageSenderDNsRestricted, recordedAudioListener, schedEditor **Groups** Groups: UserGroup1, UserGroup2 **Parent User Groups** Parent User Groups: UserGroup1, UserGroup2

7.11.3 Groups

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	**Groups Information**
Superuser	**General** Name: Superuser Description: Has every role available. hasFilters: N **Roles** Roles: appAdmin, groupAdmin, keyAdmin, messageAdmin, schedAdmin, speakerAdmin, speakerMonitor, userAdmin **Users** Users:
UserGroup1	**General** Name: UserGroup1 Description: Desc UserGroup1 hasFilters: N **Roles** Roles: messageEditor, messageSender, messageSenderDNsRestricted, recordedAudioListener **Users** Users: admin, tuser
UserGroup2	**General** Name: UserGroup2 Description: Desc UserGroup2 hasFilters: N **Roles** Roles: appAdmin, groupAdmin, keyAdmin

Groups	
Name	**Groups Information**
	Users
	Users: admin tuser