Mitel Revolution

Configuration Guide for Mitel MiVoice Connect

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Mitel Revolution Configuration Guide for Mitel MiVoice Connect January 2022

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Introduction

The Mitel Revolution interface provides a way to centrally manage creating and sending notifications. This interface can be used to send emergency and non-emergency notifications such as Live or Stored Audio Notifications, Weather Alerts, AMBER Alerts, IPAWS Alerts, and Text Messages to supported devices.

Notifications can be sent to endpoints such as Mitel XML and MGCP IP Phones; iOS and Android smartphones; Instant Messaging clients, SMS clients, and Mitel Revolution Desktop Notification Client; Paging Relay; Legacy Paging and Analog Systems; IP Speakers; Clocks; Message Boards; Social Media accounts; and more. Visit us on the web at <u>Mitel Revolution Web Help</u> to learn more about Mitel Revolution product.

Users can quickly send notifications and get real-time status and view scheduled notifications and a list of recently sent notifications from their dashboard. Users can also view sent notification details to see which endpoints received notifications. They can manage notifications from a single location, viewing all notifications, endpoints assigned, and the type of notification.

About this Guide

This document describes the configuration of Mitel Revolution for Mitel MiVoice Connect.

Emergency Call Notifications (USA Only)

For customers in the USA utilizing a next-generation 911 solution (NG911) for emergency call routing purposes, the NG911 vendor should be considered as the primary source for Kari's Law local alerting, and Revolution notifications of 911 calls should be considered an ancillary alert of the event, with the activation of 911-related Mitel Revolution notifications being triggered by the NG911 vendor and not the PBX.

If the customer is not using a NG911 vendor for emergency calls then Mitel Revolution can serve as the primary notifier and mechanism for enabling local alerts associated with Kari's Law.

Documentation

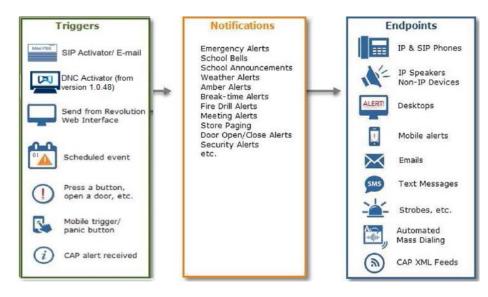
- Mitel MiVoice Connect Planning and Installation Guide: The Mitel MiVoice Connect Planning and Installation Guide describes how to plan and install a MiVoice Connect system. The Installation Guide can be downloaded from Mitel <u>MiVoice Connect Planning and Installation Guide</u>.
- Mitel MiVoice Connect System Administration Guide: The Mitel MiVoice Connect System Administration Guide explains how to use Connect Director to configure, administer, and maintain all features of the Mitel MiVoice Connect system. The Mitel MiVoice Connect System Administration Guide can be downloaded from <u>Mitel MiVoice Connect System Administration Guide</u>.
- Mitel Revolution webhelp: The Mitel Revolution webhelp contains the information required to install Mitel Revolution, initial setup, feature configuration, maintenance and troubleshooting, end-user tasks, system monitoring, and upgrade related details. You can access the webhelp at <u>Mitel</u> <u>Revolution Web Help</u>.

Overview

The Mitel Revolution interface provides a Dashboard for quick access to frequently used notifications, status of send notifications, and scheduled notifications. The Dashboard can be configured for each user, Users having the required permission can maintain their dashboard themselves. Access to configuring the Revolution modules is denied to all user roles except the administrator.

D	Mitel		Revo	olution	Mon Apr 15 02:15:47 AM PDT () powered by Sun-Apps
۵	Dashboard		5		0
	Notifications	•	QUICK NOTIFICATIONS Send a quick one-off notification	LAST SENT NOTIFICATION Last sent notification details	
37	Scheduler		view all notifications	view all sent notification	15
֥	Configuration	×	SCHEDULED NOTIFICATIONS Summary of this week's upcoming events	RECENTLY SENT NOTIFICATIONS	
٦	System Status		view all events	recently sam included in a	
1	Users Contacts & Sites	•		Sent Date Name Sent T	
	Logging				
¢	Global Settings				
1	Profile				

Mitel Revolution Overview



Creating notifications involve the following three main steps:

- Assigning the triggers for sending notifications.
- Creating the content (image, audio, or text) to be sent.
- Assigning the endpoints that receive the notifications.

For more information about creating notifications on the Mitel Revolution interface, see Creating Notifications.

MiVoice Connect Director Configuration

This section outlines the steps to configure a Mitel MiVoice Connect Director for Mitel Revolution.

The user must configure the general MiVoice Connect settings. These configuration settings include the following:

- Creating generic SIP profiles and SIP servers See Configuring SIP Users
- Setting switches See Creating SIP Trunks

Configuring SIP Users

This section describes how to create a SIP profile and a SIP server in the MiVoice Connect Director.

Creating SIP Profiles

Perform the following steps to create a new SIP profile:

- 1. Click Administration > Appliances/Servers > Integrated Servers > SIP Profiles.
- 2. Click New to create a new SIP Profile.
- 3. In the settings tab, enter the values for the following fields:

Field	Value
Name	Enter a descriptive Name for the profile.
User agent	Used to identify devices covered by this profile. This field is not used for SIP servers.
Priority	Leave at default of 100.
Enable	Select the check box to make the profile available for use.

- a. System parameters List of device characteristics and their default settings (Use defaults).
- b. **Custom parameters** (Optional) Additional device settings or overrides for default settings listed in System parameters field (None necessary).
- 4. Click Save.

🕅 Mitel Connect Dire	ctor				⑦ Help ∣ 옴 adn	nin 🔻
Search	SIP Profiles			NEW COPY DEL	ETE BULK DELETE	
🗡 🗘 🗽 🏢 🔤 🖻	NAME	\$	ENABLED \$	USER AGENT	PRIORITY	¢
ADMINISTRATION +"=				.*	50	
 ▷ Users ▷ Trunks ▷ Telephones ▲ Appliances/Servers Platform Equipment Spare Equipment 	 Mitel Revolution SIP Profile 	3		Mitel Revolution Agent	100	
✓ Integrated Servers	4	_				•
SIP Servers	Ω		i⊲ ⊲ Page 1 of 1 ⊳>	▶ Rows / page: 50 ▼	View 1	1 - 2 of 2
SIP Profiles Options > Features	Mitel Revolution SIP Prot	file		SAVE	RESET CANCEL	
b System	Name:	1	Aitel Revolution SIP Profile			
	User agent:	1	Mitel Revolution Agent			- 1
	Priority:	ſ	100			- 1
	Enable	C				
	System parameters:	A H A E U U C A	acceptMWI=notify Accept302=sip HoldSupport=no HoldSupport=diversion EnableSymmetricDtmf=yes JSeSipProxyOut=yes JAEMedialessPort=8600 AllowedCodecs=PCMU/8000 OptionsPing=1			

Creating SIP Servers

Perform the following steps to create a new SIP server:

1. Click Administration > Appliances/Servers > Integrated Servers > SIP Servers.

- 2. Click New.
- 3. Enter the values for the following fields:
 - a. Name Enter a descriptive Name for the server.
 - b. Site From the Site drop-down list, select an appropriate site location.
 - c. **Protocol** From the **Protocol** drop-down list, select TCP. (We recommend TCP, but UDP is also acceptable.)
 - d. Host (name / address / domain) Enter Mitel Revolution server IP address.
 - e. **Override default port** Leave the field blank.
 - f. Allow external voice mail for Extension-Only user By default, the field is disabled. Do not change the selection.
 - g. Allow fax redirect to this server By default, the field is disabled. Do not change the selection.
 - h. **Extension** System automatically assigns next available number. You can enter a different extension.

- i. **Assigned user group** Select appropriate group that has access to the necessary trunks. For example, Executives.
- j. **SIP Profile** Select the new SIP profile you created.
- k. Digest Authentication By default, None is selected. Do not change the selection.
- I. Username Leave the field blank.
- m. **Password** Leave the field blank.

🕅 Mitel Connect Direct	tor						⑦ Help	admin √
Search	SIP Servers			NEW	СОРУ	DELETE	BULK DEL	ETE
Administration	NAME \$ EXTEN	SION SITE \$	HOST \$	OVERRIDE DEFAULT PORT \$	PROFILE NAME \$	PROTOCOL\$	VOICE MAIL	FAX
 Users Trunks Telephones Appliances/Servers Platform Equipment Spare Equipment Integrated Servers SIP Servers SIP Profiles Options Features System 	Mitel Revolu 200	Site1	10.211.20.111	of 1 ⊨> ⊨i Row	Mitel Revolu s / page: 50 •		SET CAN	View 1 - 1 of CEL
	GENERAL Name: Site: Protocol: Host (name / address / don Override default port: Allow external voice ma Allow fax redirect to this Extension: Assigned user group: SIP profile: Digest authentication: Username: Password:	ill for Extension-Only us s server 200 IP Telepho	▼] I11 ser			REFERENCE	S	

Creating SIP Trunks

What you need to know

- SIP Trunks are utilized to call analog paging systems.
- Trunks cannot be used for inter-site calls.
- Each site must have its own Trunk Group configured with at least one SIP Trunk, or as many trunks as the desired amount of simultaneous calls to the Mitel Revolution Server. For example: If there are two trunks in a trunk group for a specific site, then two groups can be called at the same time.

Notes:

- Allocating SIP Trunk ports on Mitel switches also requires valid Mitel SIP Trunk licenses. Contact your Mitel representative for details.
- Mitel trunk groups only support Static IP Addresses for Individual Trunks.

Create Trunk Groups

Perform the following steps to create a SIP trunk group:

- 1. Click Administration > Trunks > Trunk Groups > Trunk Groups.
- 2. Click New.

Mitel Connect Direct	Or 🛛 🌑 Connections 🌒 Trunk Groups 🌑 Bandwidth 🌑 Voice Quality 🧥 Appliances 🌑 Servers	⑦ Help Å admin▼
Search	Trunk Groups	NEW COPY DELETE
🖌 O 🗽 🎚 🖬 🖻	NAME	

- 3. In the **GENERAL** tab, enter the values for the following fields:
 - a. Name Enter a descriptive Name for the trunk. (Our example uses Syn- Apps Trunk Group.)
 - b. Site From the Site drop-down list, select an appropriate site location.
 - c. Trunk type From the Protocol drop-down list, select SIP.
 - d. Language From the drop-down list, select the appropriate language.
 - e. Enable SIP info for G.711 DTMF Signaling Select the check box to enable this option.
 - f. **Profile** From the drop-down list, select **Default Tie Trunk**.
 - g. Digest Authentication By default, None is selected. Do not change the selection.
 - h. Username Leave the field blank.
 - i. **Password** Leave the field blank.

Revolution Trunk Group		SAVE RESET CANCEL
GENERAL INBOUND	OUTBOUND	
Name:	Revolution Trunk Group	
Site:	Headquarters v	
Trunk type:	SIP T	
Language:	English(US) •	
Enable SIP info for G.711 DTMF	signaling	
Profile:	Default Tie Trunk	
Digest authentication:	-None-	
Username:		
Password:		(6 - 26 characters)
	······	
Note:		

- 4. In the **INBOUND** tab, enter the values for the following fields:
 - *a.* **Number of digits from CO** Enter a number that matches your system extension length. (Mitel Revolution does not use this setting.)
 - *b.* **DNIS** By default, the field is disabled. Do not change the selection.
 - c. **DID** By default, the field is disabled. Do not change the selection.
 - *d.* Extension Select the check box to enable this option. Select Translation Table check box and keep default of None.
 - e. **Tandem trunking** If your Mitel Revolution license includes SIP Notifier, select the check box to enable tunking; otherwise leave disabled.
 - f. User group Select group that contains analog paging system lines, if applicable.
 - g. **Prepend dial in prefix** Leave the field blank.
 - h. Destination User the default value or select one of your choice.

Revolution Trunk Group		SAVE RESET CANCEL
GENERAL Ø INBOUND	OUTBOUND	
Number of digits from CO:	2 🖉	
DNIS Edit DNIS		
DID Edit DID Range		
Extension		
Translation table:	<none> T</none>	
Prepend dial in prefix:		
Use site extension prefix		
Tandem trunking		
User group:	Executives •	
Prepend dial in prefix:		
Destination:	700 : Default	

- 5. In the **OUTBOUND** tab, enter the values for the following fields:
 - a. **Outbound** Select the check box to enable outbound feature.
 - b. Network call routing Specify appropriate access code and local area code.
 - *c.* **Trunk services** Access to the Mitel Revolution server is via Off System Extensions (OSE). Therefore, most trunk services can be disabled except:
 - i. Local

- ii. Caller ID not blocked by default
- iii. Enable caller ID name

litel Revolution Trunk Grou	IP	SAVE RESET CANCEL
GENERAL INBOUNE	OUTBOUND	
Outgoing:		
Network call routing:		
Access code:	9	
Local area code:	91	must be between 2 and 4 digits
Additional local area codes: Add		
Nearby area codes: Add		
Billing telephone number:		(e.g. +91 11-2419-8000)
Trunk services:		
Local		
Long distance		
National mobile		
International		
Enable original caller information	on	
Caller ID not blocked by defaul	It	
Enable caller ID name (Please	confirm with the carrier(s) or the serv	vice provider(s) on how the end-to-end caller name is delivered)
When Site Name is used for the Caller ID, overwrite it with:	Mitel	
Emergency		
Trunk digit manipulation:		
Dial local numbers in national f	iorm	
Dial in E.164 format		
Prepend dial out prefix:		
Translation table:	<none> Edit OSE</none>	

6. Configure OSE:



OSE defines the SIP extension range that can be configured as SIP lines in Mitel Revolution SIP Activator. This can be any extension that is currently not used on the Mitel system.

a. Click Save before proceeding to set OSE.

b. Click the Edit OSE link in the Trunk digit manipulation section. Click New.



c. From the **Trunk Group** drop-down list, select the trunk group you created and define an **extension** range within your Mitel PBX extensions.

Seneral		SAVE RESET CANCEL
Trunk group:	Mitel Revolution Trunk Group 🔻	
From:	201	8
То:	210	0

d. Click Save.

Create Individual SIP Trunks

Perform the following steps to create an individual SIP trunk:

- 1. Click Administration > Trunks > Trunks.
- 2. Click New.

风 Mitel Connect	t Direc	tor 😑 Connecti	ions I	Trunk Groups	1 😐	Bandwidth 🔵	Voic	e Quality 🛕	Appliances 🔵 Serv	ers	୧) Help 🛆 adi
Search		Trunks						_	NEW C	OPY	DELETE B	JLK DELETE
🥕 🗘 🛄 🔤	÷.	NAME	\$	GROUP	\$	TYPE	÷	SITE	SWITCH	\$	PORT/CHANNEL \$	IP/FQDN
ADMINISTRATION	+***=											
Users												
Trunks												
Trunks												

- 3. Enter values for the following fields:
 - a. Site From the drop-down list, select the appropriate Site.
 - b. Trunk group From the drop-down list, select the appropriate group.
 - c. Name Enter a descriptive Name for the trunk.
 - d. Switch From the drop-down list, select a Switch that is configured for this site.
 - e. IP address or FQDN Enter the Mitel Revolution server IP address.

Syn-apps (1)		SAVE RESET CANCEL
GENERAL		
Site:	Headquarters *	
Trunk group:	Revolution Trunk Group (SIP) V	
Name:	Syn-apps (1)	
Switch:	SG90_HQ V	
IP address or FQDN:	10.211.46.72	

Configuring Switch Settings

Perform the following steps to configure a switch:

1. Click Administration > Appliances/Servers > Platform Equipment.

Search		Pla	atform Equipmen	nt							NEW	COPY	D	ELETE BULI	C DELETE
	Ô		NAME	*	DESCRIPTION \$	SITES	SERVER	4	DATABASE SERVER	T a	TYPE \$	IP ADDRESS	\$	SECONDARY ADDRESS \$	MAC ADDRESS
ADMINISTRATION	+"50		collab			Site1	Headquarters	- 1	Headquarters	V	Collab	10.211.18.68			00-50-56-93-F7-AF
> Users > Trunks > Telephones			Headquarters site Site1		SoftSwitch SoftSwitch Softswitch	Headquarters Site1 Site1	Headquarters Headquarters Site1		Headquarters Headquarters	v	VinHQ Phone VinDVS	10.211.18.55 10.211.18.69 10.211.18.57			00-50-56-93-06-19
Appliances/Servers Platform Equipment Spare Equipment		-	Site2		Site2	Site1	Site2		Headquarters		.inuxDVS	10.211.18.66			00-50-56-93-EB-3A

- 2. Click the Name of the switch to configure.
- 3. Define one of the Port Type settings from the available ports to 100 SIP Proxy.

G90: SG90_HQ - 10.211.45.70			SAVE RESET CANCEL					
GENERAL SWITCH								
IP phone + SIP trunks = Total								
15 10 25 of 30 (100	15 10 25 of 30 (100 SIP proxy ports)							
Enable Jack based Music on hold								
Jack based Music on hold gain:	0 dB (-49 to 13)							
Use analog extension port as DID trunks	5							
Port Port Type	Trunk Group Description	Jack Number Tx Gain (dB)	Rx Gain (dB) Location					
1 100 SIP Proxy •	P01	0	0 FILL DOWN					
Trunk								
2 Available	P02		0					
3 Conference	P03		0					
4 5 SIP Trunks	P04	0	0					
5 SIP Trunk with Media Proxy	P05		0					

4. Select the desired number of SIP trunks from the ports available and click Save. Each port designated as a SIP trunk port type supports 5 individual SIP trunks.

SG9	0: SG90_HQ - 10.211.45.70						SA	VE RESET	CANCEL
	GENERAL Ø SWITCH								
IP p	hone + SIP trunks = Total								
Ċ	15 10 25 of 30 (100 SIP proxy ports)								
	Enable Jack based Music on hold								
	Jack based Music on hold gain:	0 dB (-49	to 13)						
	Use analog extension port as DID tru	unks							
Por	t Port Type	Trunk Group	Description		Jack Number	Tx Gain (dB)	Rx Gain (dB)	Location	
1	5 IP Phones	Analog tr	unk	<u> </u>					FILL DOWN
11	Ø	Ø				0	0		
2	100 SIP Proxy								
2	8	P02				0	0		
3	5 SIP Trunks								
° i	8	P03				0	0		
4	5 IP Phones 🔻	P04				0	0		
5	Trunk	P05				0	0		
6	Available	P06		5					
0	5 IP Phones					0	0		
7	Conference 5 SIP Trunks	P07]	0	0		
-	100 SIP Proxy					<u> </u>	<u> </u>		

Notes:

Virtual phone switch has built-in SIP Proxy ports.

Configuring Emergency Numbers to Monitor

Note:

If the customer site is configured to use an NG911 vendor for emergency call routing, the Mitel Revolution activator for emergency call notification must be the NG911 vendor service (for example, through an inbound email notification from the NG911 provider to Mitel Revolution, or through an API-based integration between the NG911 vendor and Mitel Revolution), and not a 911 activation from the PBX.

Perform the following steps to configure the numbers you want to monitor:

- 1. Click Administration > System > Sites [select your site] > General.
- 2. Add the numbers you want to monitor to the Emergency Number List. 911 is included by default in the Emergency number list section.
- **3.** Use default values for the other fields.

The number is configured to the Mitel Revolution Notifier page during the next phone refresh, which occurs every 15 minutes, or you can refresh the data for the Mitel notifier from the system status. This creates a new trigger that you can now add to notifications. Create notification and select trigger corresponding to 911. Any time the number being monitored is dialed; the notification is triggered.

For more details about configuring emergency number and triggering notification in the Mitel Revolution interface, see Creating Notifications.

Configuring Jack Number

Perform the following steps to configure the jack number:

- 1. Go to Administration > Users > Users.
- 2. Click on a username.
- 3. In the General tab, enter the Jack# such as building number, room number etc.
- 4. Click Save.

Enabling Phone API for User Accounts

For an IP Phone to receive notifications, the associated user account must have the Allow Phone API checkbox enabled. If this setting is not enabled, the IP phone will not be able to receive any notifications.

- 1. Click Administration > Users > Users.
- 2. Click on a username.
- 3. In the Telephony tab, select the Enable phone API (PAPI) check box.

Extension 122: admin View Escala	tion Profile View Proc	rammable Buttons		SAVE RESET	CANCEL
GENERAL TELEPHONY	VOICE MAIL	ROUTING	MEMBERSHIP	APPLICATIONS	DNIS
Enable handsfree mode Enable call waiting tone Trunk access code: 9 Mailbox for recorded calls:)				
Fax support:	User - Redire Standard 🔻	ect 🔻			
Enable telephony presence Enable shared call appearances					
 Enable use of soft phone Enable phone API (PAPI) 	·				

4. Click Save.

Authorized Server

Trusted server entries must be entered in the custom text file for each IP phone model.

IP400 series phones custom files are in C:\Inetpub\ftproot\phoneconfig.

Mitel IP Phones	Custom File Name
485g	custom_IP485g.txt
480g	custom_IP480g.txt
480	custom_IP480.txt
420	custom_IP420.txt

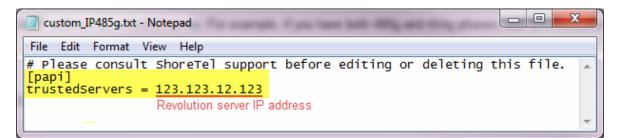
IP655 and IP5xx series phones series custom files are in C:\Inetpub\ftproot.

Mitel IP Phones	Custom File Name
655	swecustom.txt
565 / 565g	s6ccustom.txt
560g	s6gcustom.txt
560	s6custom.txt

Rules:

- Edit each custom text file for your phones to add the Mitel Revolution server IP address as a trusted server. For example, if you have both 480g and 485g phones, add Mitel Revolution as a trusted server to both custom_IP480g.txt and custom_IP485g.txt.
- For IP400 series phones, it is <u>not</u> recommended to add the trusted server to the global custom.txt file. You should add the trusted server to each phone model's custom file.
- Place the entry on a separate line.

For **IP400 series** phones:



Note: Use uppercase S in servers - trustedServers.

For IP655 and IP5xx series phones:

🧾 s60	custo	m.txt - No	otepad									x
File	Edit	Format	View	Help								
# Pl Trus	ease ted	consu Server:	lt Sh 5 <mark>123</mark>	oreTel .123.1	support	before	editing	or	deleting	this	file	2.
			Revo	lution se	erver IP add	iress						
												-

Configuring 6900 IP phones

To configure 6900 series IP phones with Mitel Revolution, add the following configuration parameters in the IP phone configuration file (*startup.cfg located C:\Inetpub\ftproot\phoneconfig*) which registers the phones on the Mitel Revolution server:

xml application post list: <<revolution server IP>>

action uri poll:http://<<revolution server IP>>/MitelRegistrar/?dn=\$\$SIPUSERNAME\$\$&ip=\$\$LOCALIP\$\$

action uri poll interval: 60

where,

- *xml application post list* is the HTTP server that is pushing XML applications to the IP phones and revolution server IP is the IP address of the Mitel Revolution server.
- action uri poll is the URI to be called every action uri poll interval seconds
- action uri poll interval is the interval, in seconds, between calls from the phone to the action uri poll. The interval between 60 and 300 seconds depending on how frequently you want the phone to register.

Note:

- Ensure to reboot the phone after the parameters are included in the configuration file.
- The IP phones display the "**Cannot display**" error message when the Mitel Revolution server is not reachable.

Mitel Revolution Configuration

This section describes how to configure Mitel Revolution with the MiVoice Connect Director.

The communication with Mitel IP phones is done based on the following settings:

- Adding the Mitel Revolution server IP address as a trusted server in each phone model custom file
- Enabling Allow Phone API for users in Mitel MiVoice Connect.

If you are using Mitel Revolution SIP Activator, so you can trigger notifications by dialing an extension number, you also need to setup a SIP trunk in your Mitel communications manager.

Note: SIP Activator is required to trigger live broadcast notifications.

Refer to the <u>Revolution WebHelp</u> for comprehensive details on configuring Mitel and Revolution functionality. The following sections are setup requirements specific to Mitel Revolution communicating with a Mitel system.

Installation and Configuration

Refer to the following topics in the Mitel Revolution WebHelp to install Mitel Revolution on Windows Server 2008, 2012/2012r2, or 2016 and configure it with your Mitel system:

- System Requirements
- Installation
- <u>Configure Your Mitel Phone System</u>
- <u>Mitel SIP Trunk</u>

Network Requirements

Firewall I	Requirements/Port	Usage
------------	-------------------	-------

Port	Description
Mitel Revolution to Mitel Connect Director	Protocol Description
5060	UDP, SIP
3306, 4308	TCP, MySQL – 3306 (Mitel v9), 4308
	(Mitel v10+)
20480-32767	RTP, UDP
2748	TCP
Mitel Revolution Server to IP	
Phones IP Phones to Mitel	
Revolution Server	
80	TCP, HTTP
20480 - 32767	RTP, UDP – unicast and multicast
Mitel Revolution to IP Speakers and	
Paging Relays	
80	TCP, HTTP
6789	UDP, Mitel Revolution IP device protocol
20480 - 32767	RTP, UDP – unicast and multicast

Multicast Requirements

If users choose to use multicast, which is strongly suggested with over 100 endpoints, then multicast must be enabled on the network. All interfaces between the Mitel Revolution server and the destination endpoints need to have IP PIM enabled. The switches should have IGMP/CGMP enabled.

If the entire network cannot be multicast enabled or enabling multicast would require a large or recurring investment, the Mitel Revolution Paging Relay should be deployed at the remote site. This allows Mitel Revolution to send a single unicast stream over the WAN connection. The Paging Relay converts the unicast stream into a multicast stream at the remote site. See the Mitel Revolution WebHelp or contact Mitel Revolution Sales for more information. Refer to your network support or your telephony partner for the best approach for implementing multicast on your network.

Configuring the MiVoice Connect Director

Perform the following steps to configure the MiVoice Connect Director in Mitel Revolution:

- 1. Go to Configuration > Notifiers > Mitel.
- 2. Click New Communications Manager.
- 3. Enter a descriptive Name to the MiVoice connect server.
- 4. Enter the MiVoice Connect Server address in the IP Address field.
- 5. Enter the Mitel server port or username/password in the Advanced Settings section if you are not using the default Mitel server port and credentials.

Note: By default, the Mitel port is set as 4308.

Do the following to change the advanced settings:

- a. Click Show Advanced Settings.
- b. Change the Port, Username, or Password.
- 6. Click Save.

X) Mitel		Revolution
B	Dashboard	COMMUNICATIONS MANAGER GENERAL SETTINGS	
	Notifications	Name * MiVoice Connect 44.50	
31	Scheduler	IP Address * 10.211.44.50	
÷	Configuration	A hostname or FQDN may also be used	
0	System Status	Advanced Settings Warning: Editing advanced settings may make Revolution stop functioning properly. If you are unsure of your changes please copy down the settings before editing.	
1	Users Contacts & Sites	4308	
Ξ	Logging	Username * st_configread	
٥	Global Settings	Password *	
1	Profile		
•	Logout	Hide advanced settings CANCEL SAVE	

SIP Activator Configuration

This section describes the Mitel Revolution configurations for MiVoice Connect Director.

Creating SIP Lines

Perform the following steps to create a new SIP line:

- 1. Go to Configuration > Activator > SIP.
- 2. Click NEW and select NEW SIP LINE.
- 3. Enter a descriptive Name for the SIP line.
- 4. In the Extension field, enter one of the SIP line number you defined in MiVoice Connect Director.
- 5. (Optional) Enter a numeric security code of your choosing. Security codes contain at least 3 digits. Leave the field with the default value 0 if you do not want to have a security code. Security codes can be repeated.
- 6. (Optional) Enter Activator Text Title and Activator Text Body text that can be used with, or in place of, a notification title and body text.
- 7. Click Save.

🕅 Mitel		Revolution
Dashboard	SIP LINE GENERAL SETTINGS	
Notifications	Name * SIP Trigger 1	
Scheduler	Vailable in All Sites	
€ Configuration ►	Extension * 850	
System Status	If your SIP Trunk requires a prefix, include it in the Extension	
Users Contacts + & Sites	Security Code 0 Enter 0 for no security code	
E Logging	Activator Text Title SIP Trigger#1 Title	
Global Settings	Activator Text Body SIP Trigger#1 Text Body	
Profile	1	
⊡ Logout	CANCEL SAVE	

SIP lines entered here can be assigned to notifications as actions that trigger sending the notifications.

SIP ACTIVATOR				EW SIP LIN
st, configure your SIP trunk and define a is here, which are made available to ass mbers on their IP phone.			communications manager. Then add SIP and those notifications by dialing extension	
ACTIONS SETTINGS				
SIP Lines				
Name 🗸	Extension	Security Code	Notification(s)	÷
Line 5100 - Campus A	5100	321	All Sites - All Hands Meeting, DailyAnnouncements	/8
Line 5101 - Campus A	5101	321	Site 1 - Network Outage, Prison Yard Carnage	/8
Line 5102 - Campus A	5102	321	Building 102 - Maintenance	/8
Line 5103 - Campus A	5103	321	Campus A - Weather Closure, Gen Pop Melee	/8
Line 5104 - Campus A	5104	321	Campus A - Lockdown	/8
Line 5105 - Campus A	5105	321	Campus A - Remote Gate Lock	/8
Line 5106 - Campus A	5106	321	Campus C - Fire Drill	/8
Line 5107 - Campus A	5107	321	Code Blue	/8
Line 5108 - Campus A	5108	321		/8
Line 5109 - Camous A	5109	321		18

Authenticating the SIP lines

If you configured authentication when you created your SIP trunk in Mitel MiVoice Connect, configure Mitel Revolution with those credentials.

- 1. Go to Configuration > Activators > SIP.
- 2. Click Settings.
- 3. Leave Inbound Digest Realm field blank. (Mitel authenticates at the trunk level. It doesn't use realms.)
- 4. In the Inbound Username field, enter the Mitel MiVoice Connect username.
- 5. In the Inbound Password field, enter the Mitel MiVoice Connect password.
- 6. Enter specific values in the following fields:

Field	Value
Pin Timeout Seconds	This is the length of time you want to allow a user to enter a security code before the system times out and ends the call. When the time limit is met, an audio message is played letting the user know that the system has timed out and the call will end.
STUN Server and Outbound Proxy Servers	Leave these fields blank. They do not apply to Mitel system setup.
SIP Port	You only need to update this field if your Mitel server is not using the default port.
Trusted Servers	Leave this field blank to accept connections from any IP. Your company security policies dictate whether you need to list specific servers.

Transport Layer Security	Your company security policies dictate whether you need to enable TLS for transferring data over your network. (TLS is the successor to SSL.)
	When Enable TLS is selected, Mitel Revolution checks the servers, certificate store for a certificate with the friendly name of SIPACTIVATOR. This can be a CA-signed certificate that your company has created and installed. If the friendly name is SIPACTIVATOR, it will be used. If Mitel Revolution cannot find a certification with the friendly name of SIPACTIVATOR, a self-signed certificate is created. You can replace this certificate, if necessary. Just make sure its friendly name is SIPACTIVATOR. The certificate is used to encrypt data from Mitel Revolution going across your network.

7. Select the **Disable Reinvites** checkbox.

🕅 Mitel	Revolution
Dashboard	► ACTIVATORS
Notifications	CAP IP Device Mitel Mobile & 3rd Party Polycom SIP SNMP Status
5 Scheduler	
Configuration	SIP First, configure your SIP trunk. Then configure SIP Activator. Next, in SIP Activator create SIP lines (within the range defined in your SIP trunk) and assign them as triggers to send notifications by dialing the line number. In
System Status	Notified enter any your 3P watting and assign before as inggers to send rouncarious by balance in the number. In Notified enter a standard of the send
L Users Contacts > & Sites	ACTIONS SETTINGS
E Logging	STUN Server
Global Settings	Outbound Proxy Servers
	Inbound Digest Realm
	Inbound Username
	Inbound Password
	Clients (e.g. PEX systems) will be prompted for the above credentials when connecting. If blank, auth will not be required.
	Trusted Servers
	Only accept requests from these IPs. Leave empty to accept connections from any IP.
	Disable Reinvites Check this if using a cloud PBX or other system that does not support REINVITEs
	Show advanced settings
	SAVE
	3591

8. Click Save.

Creating Notifications

To create and send notifications, read through the Mitel Revolution <u>WebHelp</u> for an overview of how the system works and how to configure other features. The Notification Overview topic provides a description of the different types of notifications that can be created.

On dialing a SIP Line number, the Mitel Revolution interface sends notification to contacts in the **Endpoint and Contact Selection** section.

Perform the following steps to send a notification from the Mitel Revolution interface:

- 1. Create the content (audio, image, text) to be sent.
- 2. Assign endpoint/s to receive the notification.
- 3. Click Save and Send.

Perform the following steps to create a Stored Audio notification:

- 1. Go to Notifications > Manage.
- 2. Click NEW NOTIFICATION.
- 3. Enter the following GENERAL Settings:
 - a. Provide a descriptive Notification Name.
 - b. (Optional) From the Dashboard Icon drop-down list, select an image to display with the notification.
 - c. Select a Priority level for the notification.
 - d. From the Notification Type drop-down list, select Stored Audio.

GENERAL Notification level	settings		~	
Notification Name * Fire Drill		Notification Type Stored Audio	•	
Activation Type Iteration	Iterations3	Repeat Interval (seconds) 60		
Priority		•	_ 5	
Dashboard Icon fire.png	•	QUICK NOTIFICATIONS Send a quick one off notification		0
<i>(</i>) —		Fire Drill		1
		view all notif	cations	

- 4. Click the TRIGGERS settings and enter the following values:
 - a. From the Activator drop-down list, select SIP Activator.
 - b. From the Trigger drop-down list, select the SIP line you want to use.

Select what activates	the notification		
ADD A NEW TRIGGER Activator SIP Activator	Manufacturer Avaya SIP 8280 Manufacturer Cisco SIP 11080	Select what activates the notification	~
MESSAGE CON'	Manufacturer Shoretel SIP 6280	SIP Activator - Manufacturer Cisco SIP 11080	
		ADD A NEW TRIGGER	

- 5. Click the **Message Details** settings and enter the following values:
 - a. Set Caller ID to Show.
 - b. Select an Audio tone or prerecorded message from the Stored Audio drop- down list. Repeat the process to select additional audio files, if necessary. Audios play in the order listed. Drag and drop files to rearrange the order.
 - c. Set the **Volume** for the notification. This volume overrides the volume set on the endpoint receiving the notification, such as a phone or speaker.
 - d. (Optional) Select an image from the **Stored Images** drop-down list to send with the notification. You can repeat this step to select an additional image, if desired.
 - e. Choose Font Color for the notification fonts.
 - f. Enter a **Title** for the notification.
 - g. Enter the **content** of your notification in the **Body**.
 - h. Leave 'Clear notification...' unchecked. (Checking 'Clear notification...' removes the message content from a phone endpoint display once the selected audio files finish playing).

Statt Audio: Voluma <th>Response 1 Short text " Short Text for Notification#1</th> <th>0</th> <th>Long Sect * Long Text for Notification#1</th> <th>0</th> <th></th> <th></th>	Response 1 Short text " Short Text for Notification#1	0	Long Sect * Long Text for Notification#1	0		
FV Genaral-Test.mp3 X Volume 7 Use device defauit Social image 9 10 10 10 Use device defauit 10 <					1	
FV General-Test.mp3 O X rolume 7 Use device default Secct Imaps O f Use device default Secct Imaps O f f O f O f				<u>(۱</u>	3	
FV General-Test.mp3 O X Volume 7 Use device default 5seed them 7 Use device default seed them 7	Title for Notification#1			0	3	
FV General-Test.mp3	#2222E7	ll use ther				
FV General-Test.mp3 O X volume 7 Use device default	🗘 🚺 idea_fuli,png	×				
FV General-Test.mp3	Select Image					
FV General-Test.mp3	Volume O	7	Use device default			
Estect Audio	FV General-Test.mp3	Θ×				
	Ediact Audio,					
Caller 10 O Bhow *	Shaw					

6. Select Endpoints to receive the notification:

Leave 'Allow users to add endpoints dynamically' at None.

ENDPOINT & CONTACT SELECTION Devices & Contacts that the notification will be sent to	~		
Allow users to add endpoints dynamically None			
Contact Methods Check all communication methods to use for selected contacts. Mobile Email Internal Show: Endpoints Contacts User Tags System Tags	Unselect	SELECTED ENDPOINTS & CO	NTACTS
S All Sites	33 🕥 👘	AtlasSound - 192 168 10.68	â
billy test	9 🕥	AtlasSound - 192.168.11.78	Ô
Suilding 101	3 🕥	Building 101	â
Suilding 102	3 🗿		
Suilding 103	3 🗿	CLOSE SAVE	

7. Click Save.

Configuring Emergency Number

There is no configuration required in the Mitel Revolution interface. The numbers to be monitored are configured in the Mitel communications manager, which is pulled into the Mitel Revolution interface, and displayed in the **Dial Monitor** section. The numbers are available as triggers to assign to notifications. Any time the number being monitored is dialed; the notification is triggered.

- All numbers are initially assigned to All Sites.
- You can edit numbers to change their display name and site assignment.
- You cannot change the number being monitored in Revolution. Changes must be made in your Mitel communications manager.
- To stop monitoring a number, remove it in your Mitel communications manager. On the next Revolution phone refresh, the Revolution Mitel Notifier page is updated, and the trigger is automatically removed from any notifications it is assigned to.
- To populate the endpoint location from MiVoice Connect, you must enable Populate Location; and to import unsupported SIP device models, you must enable Directory Import. To do this, navigate to Configuration > Notifiers > Mitel > SETTINGS and select the check boxes associated with Populate Location and Directory Import respectively.

MITEL bot of the communication between this application and your Mitel phone system is configured in your Mitel onomunications manager. Once configured, supported IP phones automatically register. In Mitel Activator, configured is upported in the setting tab. ACTONS SETTINGS ache Update Interval	NOT	IFIERS								
test of the communication between this application and your Mitel phone system is configured in your Mitel of an experiment of thigger notifications. Emergency numbers will not activate unless Emergency Number Monitorin enable in the setting tab. ACTIONS SETTINGS ache Update Interval ache Inter	CAP	Desktop	Email	IP Device	Mitel	Poly	SIP	SMS/Dialer	Stream	Webhook
ommunications manager. Once configured, supported IP phones automatically register. In Mitel Activator, config hone softkeys to trigger notifications. Emergency numbers will not activate unless Emergency Number Monitorin e nable in the setting tab. ACTIONS <u>SETTINGS</u> ache Update Interval ow often to update the MiVoice semunicator phone cache (in minutes) e dial monitor service must be installed on the Voice Connet server P Opulate Location pulste andpoint Location (MiVB) if available all Interrupt Priority Threshold oilidation priority must be Nigher than this blue to interrupt an active phone call 2 Directory Import import numported models and SIP devices to how advanced settings	() MITE	EL.								
ache Update Interval ov often to update the MiVolce momunicator phone cache (in minutes) E finaling Emergency Number Monitoring Populate Location pupulate Location pupulate Location (MiVB) if available all Interrupt Priority Threshold Interrupt Priority Threshold Interrupt Priority Threshold Interrupt an active phone call Directory Import port unsupported models and SIP devices to retory how advanced settings	commur phone s	nications ma oftkeys to tr	nager. On igger notif	ce configured,	supporte	ed IP pho	nes auto	omatically regist	er. In Mitel /	Activator, configure
ow often to update the MI/Voice simunicator phone cache (in indutes) Phabling Emergency Number Monitoring edial monitor service must be installed on the iVoice Connect server Populate Location pulate endpoint Location from Jack Number formect) or Directory Location (MIVB) if available all Interrupt Priority Threshold utilization priority must be higher than this fue to interrupt an active phone call Directory Import sport unsupported models and SIP devices to rectory how advanced settings	AC	TIONS	SI	ETTINGS	_					
Important Service must be installed on the Work Connect server Populate Location Oppulate Location from Jack Number Somet) or Directory Location (MWB) if available all Interrupt Priority Threshold othingting the installed on this Directory Import point of SIP devices to rectory	Cache U 5	pdate Interval	I							
Enabling Emergency Number Monitoring adial monitor service must be installed on the Voice Connect server Populate Location puble endpoint Location from Jack Number fonnet() or Directory Location (MVB) if available all Interrupt Priority Threshold otification priority must be higher than this lute interrupt an active phone call Directory Import moupported models and SIP devices to rectory how advanced settings				nutes)						
Monitoring e dail monitor service must be installed on the Voice Connect server Populate Location pulate endpoint Location from Jack Number connect or Directory Location (MIVB) if available all Interrupt Priority Threshold otification priority must be higher than this otification priority must be higher than this Directory Import upported models and SIP devices to restry										
A dial monitor survice must be installed on the Wrote Connect server Populate Location pupulate andpoint Location from Jack Number fonnect) or Directory Location (MIVB) if available all Interrupt Priority Threshold officiation priority must be higher than this officiation priority must be higher than this officiation active phone call Directory Import mort unsupported models and SIP devices to rectory			gency Nun	nber						
Populate Location pupule endpoint Location from Jack Number isonnet() or Directory Location (MVB) if available all Interrupt Priority Threshold officiation priority must be higher than this blue to interrupt an active phone call officiation of the priority isotropy isotro	The dial r	nonitor service		stalled on the						
all Interrupt Priority Threshold officiation priority must be higher than this to the to interrupt an active phone call Directory Import noort unsupported models and SIP devices to rectory how advanced settings	MiVoice C	Connect serve	r							
ionnect) or Directory Location (MIVB) if available all Interrupt Priority Threshold otification priority must be higher than this alue to interrupt an active phone call Directory Import aport unsupported models and SIP devices to rectory how advanced settings	Poj	oulate Locat	ion							
ionnect) or Directory Location (MIVB) if available all Interrupt Priority Threshold otification priority must be higher than this alue to interrupt an active phone call Directory Import aport unsupported models and SIP devices to rectory how advanced settings										
otification priority must be higher than this live interrupt and/ve phone call Directory Import mort unsupported models and SIP devices to rectory how advanced settings										
otification priority must be higher than this live interrupt and/ve phone call Directory Import mort unsupported models and SIP devices to rectory how advanced settings	0 - 11 - 1 - 1 - 1									
Uncefory Import Directory Import more unsupported models and SIP devices to rectory how advanced settings	5	rupt Priority	Inresnoid							
Directory Import port unsupported models and SIP devices to rectory how advanced settings										
nport unsupported models and SIP devices to rectory	value to i	nterrupt an ac	tive phone (sall						
rectory the settings	🗸 Dir	ectory Impor	rt							
rectory the settings	Import up	supported mo	IS hne sleb	P devices to						
	directory									
ente	Show ad	lvanced sett	ings							
CANE										
SAVE	SAVI									

Note:

If the **Dial Monitor** Service program is not installed, or is not running, on your Mitel communications manager server, notifications cannot be triggered. Emergency numbers configured to monitor in Mitel Connect Direct are still pulled into Mitel Notifier, but without the Dial Monitor Service program installed, Revolution Mitel Notifier does not know when a monitored number is dialed.

🕅 Mitel		Revolution	Tue Apr 30 01:16:40 PM IST 🕥 : powered by Constrained interview
Dashboard	GENERAL Notification level settings	>	NOTIFICATION DETAILS Confirm your notification setup
Notifications +	SELECT TRIGGERS Select what activates the notification	~	O GENERAL
Scheduler	Mitel - 911 Dialed (Headquarters @ 10.211.44.50)	8	Notification Name 911 dialed notification Notification Type
Configuration +	ADD A NEW TRIGGER		Stored Audio Priority 5
System Status	Activator 👻		Dashboard Icon SELECTED TRIGGERS
L Users Contacts → & Sites	MESSAGE DETAILS Content to send to the endpoints	>	911 Dialed (Headquarters @ 10.211.44.50)
E Logging	ENDPOINT & CONTACT SELECTION Devices & Contacts that the notification will be sent to	>	Caller ID Show
Global Settings			Sloved Audio FV_General-Test wav Volumie
1 Profile			4 Images
🕒 Logout			911 Title 911 monitoring title floor 911 dialied notification body
			C ENDPOINT & CONTACT SELECTION
			<2 Rev3-655 - 121
			CLOSE SAVE & SEND SAVE

Disable Using Mitel Call Monitoring

If you do not want to use the call monitoring feature in the Mitel Revolution interface, or your security policies prevent you from installing the **Dial Monitor** Service program on your Mitel server, go to **Configuration** > **Notifiers** > **Mitel** > **Settings** and uncheck **Enable Emergency Number**. This prevents Mitel Notifier from displaying an error message when there is no link to the Dial Monitor Service. The emergency numbers configured in your Mitel communications manager still display on the Mitel Notifier page, but they are not monitored by the Mitel Revolution interface.

Triggering Emergency Notification

Perform the following steps to create an emergency notification in Mitel Revolution:

- 1. Go to Notifications > Manage.
- 2. Click NEW NOTIFICATION.
- 3. Enter General Setting:
 - a. Provide a descriptive name that's meaningful to your users.
 - b. (Optional) Select an image to display with the notification when it's assigned to the Dashboard.
 - c. Select a Priority level for the notification.
 - d. Select the type from the Notification Type drop-down list.

GENERAL Notification level se	ettings			~
Notification Name * 911 Dialed		Notification Type Text And Images	? ▼	
Activation Type ⑦ Iteration ▼	lterations 1	Repeat Interval 60	(seco	
Priority		0		8
Dashboard Icon 911-monitoring.svg	() ×	✓ Available in All Sites		
911				

- 4. Select Triggers.
 - a. Select Mitel from the Activator drop-down list.
 - b. Select the emergency number from the Trigger drop-down list.
- 5. Enter Message details.
 - a. Set Caller ID to Show.
 - b. Select an **audio tone** or **prerecorded message** from the **Stored Audio** drop- down list. Repeat the process to select additional audio files, if necessary. Audios play in the order listed. Drag and drop files to rearrange the order.
 - c. Set the **Volume** for the notification. This volume overrides the volume set on the endpoint receiving the notification, such as a phone or speaker.
 - d. (Optional) Select an image from the Stored Images drop-down list to send with the notification. You can repeat this step to select an additional image, if desired.

- e. Enter the **Title** and content for Notification.
- f. Select variables from the drop-down list. Click on **Source>Activating Endpoint Location** {source.Location}.

Use device default
Use device default
Use device default
Use device default
Delay before clearing (seconds) 0
() -

- g. Leave 'Clear notification...' unchecked. (Checking 'Clear notification...' removes the message content from a phone endpoint display once the selected audio files finish playing).
- 6. Select Endpoints to receive the notification.

ENDPOINT & CONTACT SELECTION Devices & Contacts that the notification will be sent to	~		
Allow users to add endpoints dynamically None			
Contact Methods Check all communication methods to use for selected contacts. Mobile Email Internal Show: Endpoints Contacts User Tags System Tags Search	Unselect	SELECTED ENDPOINTS & CO	NTACTS
S All Sites	33 🕥 📩	AtlasSound - 192 168 10.68	â
billy test	9 🖸	AtlasSound - 192.168.11.78	â
Building 101	3 🕥	Building 101	â
Suilding 102	3 🗿		
Suilding 103	3 🕥	CLOSE SAVE	

7. Click Save.

On dialing 911, the Mitel Revolution interface sends the notification and Jack number to the contacts in the **ENDPOINT & CONTACT SELECTION** section.

Note:

- The endpoints do not receive the Jack info when 911 is dialed from the soft phone.
- According to Kari's law, Jack number and caller ID are mandatory for 911 notifications.
- The endpoint receives Jack info even when 911 is triggered from the unsupported phone model in Revolution.

Third-Party Troubleshooting

Basic troubleshooting can be done using the various SA-Announce log files. You can access them from Mitel Revolution > Logging. See the Mitel Revolution WebHelp > $\underline{Logging}$ topic for more information.

In addition, refer to the Mitel Revolution Web Help > <u>Troubleshooting</u> topics.

Mitel Revolution Technical Support

Technicians who have completed Mitel Revolution technical training and certification can open tickets with Mitel Technical Support for further assistance with Mitel Revolution.

Creating tickets for Non-ARID Products

This section describes the procedures to create ticket for a non-ARID product by using IVR and Mitel Web.

Creating an IVR Ticket (Americas Only)

- 1. Call the Mitel Revolution Support team at any of the following phone numbers:
 - 800-722-1301 (option 5 # 8)
 - 613-592-7849 (option 8)
- 2. When prompted to enter an ARID (License ID), press # to listen to the list of non-ARID products.
 - Press 3 for Applications (Mitel Revolution, Mitel Performance Analytics, Mitel Mass Notification, CT Gateway)

Note: These menu options may change at any time, based on the support status of the product.

3. When prompted, enter the product version number, using the * key for dots and the # key to submit.

Note: To know the version number of your product, log in to TechCentral Tracker to find the list of versions in the drop-down menu.

For example:

If you are using Mitel Revolution R2021.1, to enter this in the IVR you would select "2021*1#" on your keypad.

Creating a Web Ticket

- 1. Log in to https://www.mitel.com/login > MiAccess (partner Login) > TechCentral Tracker.
- 2. Click Create New Service Request.
- 3. Enter the Service Request Details (Severity, Summary) and Contact Information.
- 4. On the Product Information page, select Select a product.

Service Request Details	Contact Information	Product Information
O Enter a license ID	Select a product	
License ID:		
Product Name: *	Please select an eritr	y =
SW Version: * On-Site Version:	(L)	P
	Please select an ent	ny 👘
Platform:	5624 WiFi Handset	
Sub-Product:	5634 WiFi Handset	
	CT Gateway	

5. In the Site Information page, select the site from the drop-down list under Select Site.



In the Troubleshooting Notes page, enter the details of the issue and click SUBMIT.

ervice Request Details	Contact Information	Product Information	Site Information	Troubleshooting Notes	
Symptoms/Details: *				Value is r	equire

Appendix 1 Mitel Revolution Integration Notes for MiVoice Connect

The following table summarizes a list of Integrated features when Mitel Revolution is connected to the MiVoice Connect Director.

Activator/Notification		Integration Detail	
Activators			
SIP Activator	Supported through SIP trunks.		
Emergency Call Activator	DialMonitoring		
SIP Activator (Active-Standby)	MiVoice Connect utilizes multiple Trunks/Trunk Groups (one for each Revolution server) with Custom Rules configured to designate trunk priority.		
Emergency call trigger (Active-Standby)	The Dial Monitor program running on the MiVoice Connect server sends the configured Emergency numbers to each Revolution server the Connect server is added to, making emergency call triggers available in all Revolution servers.		
SIP Activator (Active-Active)	MiVoice Connect utilizes multiple Trunks/Trunk Groups (one for each Revolution server) with Custom Rules configured to designate trunk priority.		
Emergency Call trigger (Active-Active)	The Dial Monitor program running on the MiVoice Connect server sends the configured Emergency numbers to each Revolution server the Connect server is added to, making emergency call triggers available in all Revolution servers.		
Notifications			
SIP Paging Notification	MiNET	Notapplicable	
	SIP	Supports 4XX and 69XX.	
XML Text Display	MiNET	Notapplicable	
	SIP	4XX and 69XX support XML text display.	
	MiNET	Notapplicable	
XML Audio	SIP	4XX and 69XX supports two-way XML audio.	
Multicast	MiNET	Notapplicable	
	SIP	4XX and 69XX support Multicast streams.	
Location details	Location details (Jack number) are sent as part of the notification.		

	(MR-19 - No Jack info when dialed from Soft-client)
SIP Paging Notification	Supported
(Active-Standby)	
XML Notification	The phone receives XML notifications from any Revolution
(Active-Standby)	server designated in the approved server list of the phone's config file.
MulticastNotification	Supported
(Active-Standby)	
SIP Paging Notification	MiVoice Connect utilizes multiple Trunks/Trunk Groups
(Active-Active)	(one for each Revolution server) with Custom Rules configured to designate trunk priority.
XML Notification	The phone receives XML notifications from any Revolution
(Active-Active)	server designated in the approved server list of the phone's config file.
MulticastNotification	Supported
(Active-Active)	



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