



SETTINGS FOR MITEL AND FLEXI

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1. Settings for Mitel and Flexi

Voice Network – Network elements

The screenshot shows a web browser window titled "Webpage Dialog" with the URL "http://192.168.50.210". The main content area is titled "Network Elements" and contains a configuration form for a network element named "Datatal". The form includes the following fields and values:

- Name: Datatal
- Type: Other
- FQDN or IP Address: 192.168.50.190
- Local Version: False
- Zone: 1
- ARID: (empty)
- SIP Peer:
- SIP Peer Specific:
 - SIP Peer Transport: UDP
 - SIP Peer Port: 5060
 - External SIP Proxy FQDN or IP Address: (empty)
 - External SIP Proxy Transport: default
 - External SIP Proxy Port: 0
 - SIP Registrar FQDN or IP Address: (empty)
 - SIP Registrar Transport: default
 - SIP Registrar Port: 0
 - SIP Peer Status: Auto-Detect/Normal

At the bottom of the form, there are "Save" and "Cancel" buttons.

Trunks – SIP – SIP Peer Profile

Basic | Call Routing | Calling Line ID | SDP Options | Signaling

SIP Peer Profile Label Datatal
Network Element Datatal

Local Account Information

Registration User Name
Address Type IP Address:
192.168.50.210

Administration Options

Interconnect Restriction 1
Maximum Simultaneous Calls 2
Outbound Proxy Server
SMDR Tag 0
Trunk Service 5
Zone 1

Authentication Options

User Name
Password *****
Confirm Password *****
Authentication Option for Incoming Calls No Authentication
Subscription User Name
Subscription Password *****
Subscription Confirm Password *****

Basic | Call Routing | Calling Line ID | SDP Options

Alternate Destination Domain Enabled No
Alternate Destination Domain FQDN or IP Address
Enable Special Re-invite Collision Handling Yes
Only Allow Outgoing Calls No
Private SIP Trunk No
Reject Incoming Anonymous Calls No
Route Call Using To Header No

Basic | Call Routing | Calling Line ID | SDP Options | Signaling

Default CPN
Default CPN Name
CPN Restriction No
Public Calling Party Number Passthrough Yes
Use Diverting Party Number as Calling Party Number No

Basic | Call Routing | Calling Line ID | SDP Options | Signaling

Allow Peer To Use Multiple Active M-Lines No
Allow Using UPDATE For Early Media Renegotiation No
Avoid Signaling Hold to the Peer No
Enable Mitel Proprietary SDP No
Force sending SDP in initial Invite message No
Force sending SDP in initial Invite - Early Answer No
Limit to one Offer/Answer per INVITE No
NAT Keepalive No
Prevent the Use of IP Address 0.0.0.0 in SDP Messages Yes
Renegotiate SDP To Enforce Symmetric Codec No
Repeat SDP Answer If Duplicate Offer Is Received No
RTP Packetization Rate Override No
RTP Packetization Rate 20ms
Special handling of Offers in 2XX responses (INVITE) No
Suppress Use of SDP Inactive Media Streams Yes

Basic	Call Routing	Calling Line ID	SDP Options	Signaling and Header Manipulation	
Trunk Group Label					
				Allow Display Update	No
				Build Contact Using Request URI Address	No
				De-register Using Contact Address not *	No
				Disable Reliable Provisional Responses	No
				Disable Use of User-Agent and Server Headers	No
				E.164: Enable sending '+'	No
				E.164: Add '+' if digit length > N digits	0
				E.164: Do not add '+' to Emergency Called Party	No
				E.164: Do not add '+' to Called Party	No
				Force Max-Forward: 70 on Outgoing Calls	No
				Ignore Incoming Loose Routing Indication	Yes
				Only use SDP to decide 180 or 183	No
				Require Reliable Provisional Responses on Outgoing Calls	No
				Use Privacy: none	No
				Use P-Asserted Identity Header	No
				Use P-Preferred Identity Header	No
				Use Restricted Character Set For Authentication	No
				Use To Address in From Header on Outgoing Calls	No
				Use user=phone	No

Basic	Call Routing	Calling Line ID	SDP Options	Signaling and Header Manipulation	Timers	
					Keep-Alive (OPTIONS) Period	120
					Registration Period	3600
					Registration Period Refresh (%)	50
					Registration Maximum Timeout	90
					Session Timer	9999
					Subscription Period	3600
					Subscription Period Minimum	300
					Subscription Period Refresh (%)	80

Basic	Call Routing	Calling Line ID	SDP Options	Signaling and Header Manipulation	Timers	Key Press Event	
						Allow Inc. Subscriptions for Local Digit Monitoring	No
						Allow Out Subscriptions for Remote Digit Monitoring	No
						Force Out Subscriptions for Remote Digit Monitoring	No
						Request Outbound Proxy to Handle Out Subscriptions	No
						KPML Transport	default
						KPML Port	0

Trunks – SIP – SIP Peer Profile Assignment by Incoming DID

The screenshot shows a web browser window titled "-- Webpage Dialog" with the URL https://192.168.50.210/uwi/uwi_AddChange.asp?ApplicationID=GenericForm. The page title is "SIP Peer Profile Assignment by Incoming DID". The form contains the following fields:

Incoming DID Range	0*
SIP Peer Profile Label	Datatal
Comment	

At the bottom of the form, there are "Save" and "Cancel" buttons.

Trunks – Trunk Attributes

The screenshot shows a web browser window titled "-- Webpage Dialog" with the URL https://192.168.50.210/uwi/uwi_AddChange.asp?ApplicationID=GenericForms&FunctionID=. The page title is "Trunk Attributes". The form contains the following fields:

Trunk Service Number	5
Release Link Trunk	No
Call Recognition Service	Off
Class of Service	55
Class of Restriction	3
Baud Rate	300
Intercept Number	1
Non-dial In Trunks Answer Point - Day	
Non-dial In Trunks Answer Point - Night 1	
Non-dial In Trunks Answer Point - Night 2	
Dial In Trunks Incoming Digit Modification - Absorb	0
Dial In Trunks Incoming Digit Modification - Insert	
Trunk Label	Datatal

At the bottom of the form, there are "Save" and "Cancel" buttons.

System Properties – System Feature Settings – System Options

System Options	
AC system	No
ACD - Auto Logout Last Agent On No Answer	No
ACD Event Statistics Refresh Rate	4
ACD Make Busy On Login Reason Code	0
ACD Make Busy Walk Away Codes	No
ACD Number of Threshold Alert Indicators Rate	30
ACD Real Time Events Feature Level	0
Advice of Charge - Multiplier	0
Advice of Charge - Surcharge	0
Advice of Charge Feature Active	No
Alpha Tagging Enabled	Yes
Att Cancel-All Feature Access	None
Battery Backup	No
Battery Cabinet Alarm Information	No
BLF - Busy Indication based on set enabled	Yes
BLF - CFA Indication based on set enabled	Yes
Call Forwarding Always - Line Status Indicator ON	Yes
Call History - Default Call History Records	20
Call History - Disable Record Generation	No
Call Rerouting Timer	22
Callback Activation	Group
Callback Cancel Timer	8
Campon Repetitive Tone Timer	0
Conference/Call Intrusion Repetitive Tone Timer	0
Data Line Error Threshold	100
Default Language	Dutch
Dialed Number Editing For Trunks	Yes
DISA Failed Attempts before Lock-Out	3
DISA Number Lock-Out Timer	15
Disable End of Dial Character (#)	No
Do Not Override DND for Public Network DID/DDI Callers	No
DPNSS/QSIG Diversion Enabled	No
DTRX Autobaud Timeout	60
DTRX DSA Response Format	Comment
DTRX Herald Message	SX2000:
DTRX Inactivity Timeout	60
Email Server	
Email - Sender's Address	
External Hot Desking - Single Digit Mid Call Features	Yes
Feature Active Dial Tone - Call Forwarding	No
IDS sync maximum sets of results	5
Interconnect Checking for Conference Calls	Yes
Last Number Redial Source	All Calls
Layer 2 Switch - Spanning Tree Enabled	Yes
Loop Signalling Trunks - Invalid DN Handling	Immediate
Maximum CO Trunks In A Conference	8
Maximum Parties In A Conference	8
Maximum Trunks In A Conference	8
Multiline Set Display 24 Hour Format	Yes
Music On Hold	Yes
Night Answer Prompt for Network Configuration	No
Number Of Forward Here	2

Night Answer Prompt for Network Configuration	No
Number Of Forward Hops	2
Outgoing External Call Prefix For Applications	
Remote Help Server	
Resource Tuning Threshold	0
Ringing Cadence for Tie Line Calls	External
Route Optimization Attempts	3
Route Optimization Establishment Timer	10
Route Optimization Network Id	
Route Optimization Trailing Digits	2
Send Travelling Class Marks	No
Set Registration Access Code	***
Set Registration Security	
Set Replacement Access Code	###
Site Preference for Hot Desk Device	5212 dual mode
Speed Call Pause Duration	3
SUPERSET Callback Message Cancel Timer	24
System Data Synchronization	Yes
System Name	Mitel
Voice Encryption Enabled	No

System Properties – System Feature Settings – System Options

General	Advanced
Class Of Service Number	1
Comment	
ACD	
ACD Logout Agent No Answer Timer	15
ACD Make Busy on Login	No
ACD Silent Monitor Accept	No
ACD Silent Monitor Allowed	No
ACD Silent Monitor Notification	No
Follow 2nd Alternate Reroute for Recall to Busy ACD Agent	No
Work Timer	0
Announce	
Call Announce Line	No
Off-Hook Voice Announce Allowed	No
Handsfree AnswerBack Allowed	No
Busy Override	
Busy Override Security	No
Disable Executive Busy Override Tone	No
Executive Busy Override	No
Call Control Timer	
Busy Tone Timer	30
Dialing Conflict Timer	3
First Digit Timer	15
Inter Digit Timer	10
General	
Inter Digit Timer	10
Lockout Timer	45
Call Duration	
Call Duration	10
Call Duration Forced Cleardown Timer	0
Enable Call Duration Limit on External Calls	No
Enable Call Duration Limit on Internal Calls	No
Call Forwarding/Rerouting	
Call Forward - Delay	0
Call Forward No Answer Timer	15
Call Forward Override	No
Call Forwarding (External Destination)	No
Call Forwarding (Internal Destination)	Yes
Call Forwarding Accept	Yes
Call Reroute after CFFM to Busy Destination	No
Call Forwarding Reminder Ring (CFFM and CFIAH only)	No
Disable Call Reroute Chaining On Diversion	No
Group Call Forward Follow Me Accept	No
Group Call Forward Follow Me Allow	No
Third Party Call Forward Follow Me Accept	No
Third Party Call Forward Follow Me Allow	No
Use Held Party Device for Call Re-routing	Yes
Call Hold	
Call Hold	Yes
Call Hold - Retrieve with Hold Key	No
Call Hold Remote Retrieve	Yes
General	
Call Hold	
Call Hold	Yes
Call Hold - Retrieve with Hold Key	No
Call Hold Remote Retrieve	Yes
Call Hold Timer	30
Local Music On Hold source	No
Music on Hold on Transfer	No
Use Called Party Call Hold Timer	No
Call Park	
Call Park Timer	180
Call Park-Allowed To Park	No
Call Pickup	
Allow Directed Call Pickup Of Attendant Call	No
Call Pickup Dialed Accept	Yes
Call Pickup Directed Accept	Yes
Call Privacy	
Call Privacy	No
Calling Party Name Substitution	No
Name Suppression on outgoing Trunk Call	No
Privacy Released	No
Public Network Identity Provided	No
Call Waiting	
Call Waiting Swap	No

General	Advanced	
Call Waiting		
Call Waiting Swap		No
ONS CLASS/CLIP: Visual Call Waiting		Yes
Campon		
Auto Campon Timer		10
Campon Recall Timer		10
Direct Voice Call		
Direct Voice Call - Accept		No
Direct Voice Call - Allow		No
Direct Voice Call - Maximize Volume		No
Display		
After Answer Display Time		
Calling Name Display - Internal - ONS		Yes
Calling Number Display - Internal - ONS		Yes
Display ANI/DNIS/ISDN Calling/Called Number		No
Display ANI/ISDN Calling Number Only		No
Display Caller ID on Multicall/Keylines		No
Display Caller ID On Multicall/Keylines Timer		5
Display Dialed Digits during Outgoing Calls		No
Display DNIS/Called Number Before Digit Modification		No
Display Held Call ID on Transfer		No
Display Transfer Destination on Recall		No
Hot Desk External User - Display Internal Calling ID		No
Maintain Ringing Party During Recall		No
General		
Advanced		
Hot Desk External User - Display Internal Calling ID		No
Maintain Ringing Party During Recall		No
Non-Prime Public Network Identity		No
Originator's Display Update In Call Forwarding/Rerouting		No
Suppress Delivery of Caller ID Display between Sets		No
Suppress Delivery of Caller ID Display between Sets - Override		No
Suppress Display Of Account Code Numbers		No
Suppress Redial Display		No
Fax		
Campon Tone Security / FAX Machine		No
External Trunk Standard Ringback		No
Return Disconnect Tone When Far End Party Clears		No
HCI		
HCI/CTI/TAPI Call Control Allowed		Yes
HCI/CTI/TAPI Monitor Allowed		Yes
Hot Desk		
Green BLF Lamp for Logged in Hotdesk User		No
Hot Desk External User - Allow Mid-Call Features		Yes
Hot Desk External User - Answer Confirmation		Yes
Hot Desk External User - Dial Tone on Call Complete		Yes
Hot Desk External User - Permanent Login		No
Hot Desk External User - Remote MWI Enable Feature Access Code		
Hot Desk External User - Remote MWI Disable Feature Access Code		
Hot Desk External User - Reseize Timer		180
Hot Desk Login Accept		Yes
Hot Desk Remote Logout Enabled		No

General	Advanced
Miscellaneous	
Clear All Features Remote	No
Force Device Busy If Any Line In Use	No
Handset Volume Adjustment Saved	No
Head Set Switch Mute	No
Phone Lock	No
Multi-Color LED Support - Disable	No
Timed Reminder Allowed	Yes
User Inactivity Timer	0
Paging	
Group Page Accept	No
Group Page Allow	No
Loudspeaker Pager Equivalent Zone Override Security	No
Loudspeaker Pager Override	Yes
Pager Access All Zones	Yes
Pager Access Individual Zones	No
PC Port	
PC Port On IP Device - Disable	No
RAD	
Answer Plus Delay To Message Timer	20
Answer Plus Expected Off-hook Timer	30
Answer Plus Message Length Timer	10
Answer Plus System Reroute Timer	0
Recorded Announcement Device	No
Recorded Announcement Device - Advanced	No
Ringing	
Delay Ring Timer	10
No Answer Recall Timer	17
Ringing Line Select	No
Ringing Timer	180
SMDR	
SMDR External	No
SMDR Internal	No
Trunk	
ANI/DNIS/ISDN Number Delivery Trunk	No
DASS II OLI/TLI Provided	No
Public Network Access via DPNSS	No
Public Network To Public Network Connection Allowed	No
Public Trunk	No
R2 Call Progress Tone	No
Suppress Simulated CCM after ISDN Progress	No
Trunk Calling Party Identification	Yes
Trunk Flash Allowed	No
Two B-Channel Transfer Allowed	No
Voice Mail	
COV/ONS/E&M Voice Mail Port	No
ONS VMail-Delay Dial Tone Timer	5
General	Advanced
Account Code	
Account Code Length	12
Account Code Verified	No
Forced Non-Verified Account Code	No
Forced Verified Account Code	No
Non Verified Account Code	Yes
Attendant	
Attendant Busy Out Timer	10
SC1000 Attendant Basic Function Key	No
Conference	
Conference Call	Yes
Disable Conference Join Tone	No
DND	
Do Not Disturb	Yes
Do Not Disturb - Access to Remote Phones	Yes
Do Not Disturb Permanent	No
Emergency	
Emergency Call - Audio Level for Set	Ringer
Emergency Call Notification - Audio	No
Emergency Call Notification - Visual	No
Group Presence	
Group Presence Control	No
Group Presence Third Party Control	No

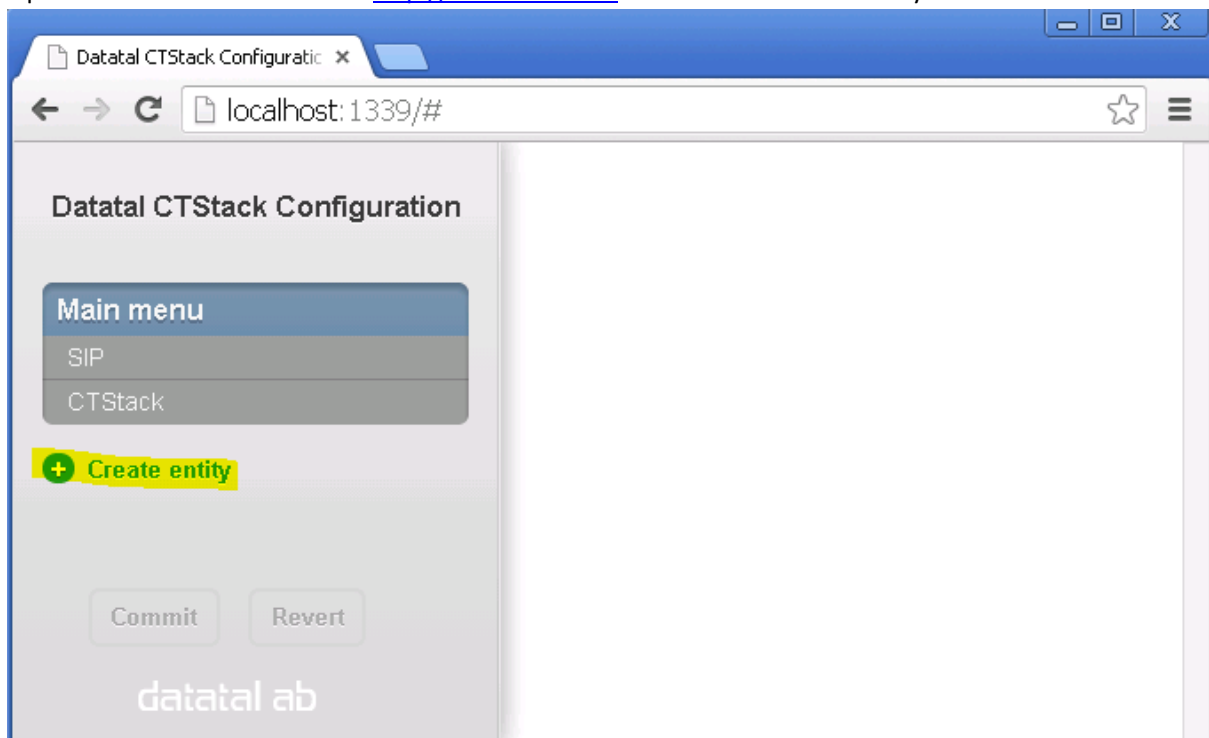
General	Advanced	
Group Presence		
Group Presence Control		No
Group Presence Third Party Control		No
Hotel		
Display VIP		No
Hotel Room Monitor Setup Allowed		No
Hotel Room Monitoring Allowed		No
Hotel/Motel Room Personal Wakeup Call Allowed		No
Hotel/Motel Room Remote Wakeup Call Allowed		No
Message Waiting		
Message Waiting		Yes
Message Waiting - Disable Ringing Lamp Notification		No
Message Waiting Audible Tone Notification		No
Message Waiting Deactivate On Off-Hook		Yes
Message Waiting Inquire		Yes
Message Waiting Ringing Start Time Hour		
Message Waiting Ringing Start Time Minute		
Message Waiting Ringing Stop Time Hour		
Message Waiting Ringing Stop Time Minute		
Multiline Set Voice Mail Callback Message Erasure Allowed		No
ONS CLASS/CLIP: Message Waiting Activate/Deactivate		No
Miscellaneous		
Auto Answer Allowed		Yes
Brokers Call		No
Called Party Features Override		No
Called Party Features Override		No
Check COR after PSTN Dial Tone		No
Dialled Night Service		Yes
Disable Send Message		No
Flexible Answer Point		No
Individual Trunk Access		Yes
Key A		
Key B		
Key C		
Key D		
Multiline Set Loop Test		No
Multiline Set Message Center Remote Read Allowed		No
Multiline Set Music		No
Multiline Set On-hook Dialing		Yes
Multiline Set Phonebook Allowed		Yes
Non DID Extension		No
ONS CLASS/CLIP: Set		No
ONS/OPS Internal Ring Cadence for External Callers		No
Override Interconnect Restriction on Transfer		No
Recall If Transferred to Original Call Destination		No
Redial Facilities		Yes
Speak@Ease Preferred		No
Voice Mail Softkey		No
Phonebook		
Phonebook Lookup - Default to User Location		No
Phonebook Lookup - Display User Location		No
Record A Call		
Record-A-Call - Save Recording on Hang-up		No
Record-A-Call - Start Automatic Incoming Call Recording		No
Record-A-Call - Start Automatic Outgoing External Call Recording		No
Record-A-Call Active		No

2. Datatal CTstack

Require: Internet explorer 10 or higher, Chrome or Firefox, websockets support

If upgrade for < Flexi 5.9, Dialogic Diva will be replaced with Datatal CTstack and configuration is imported from Dialogic diva softIP

Open a browser and browse to <http://localhost:1339> and click on "Create entity"



Enter a name

Sidan på localhost:1339 säger :

Name of the entity

OK Avbryt

Click on Telephony

Address: Default extension

Name: Enter a namn

Default: SIP URI host: PBX-IP address

Trunk mode: Check

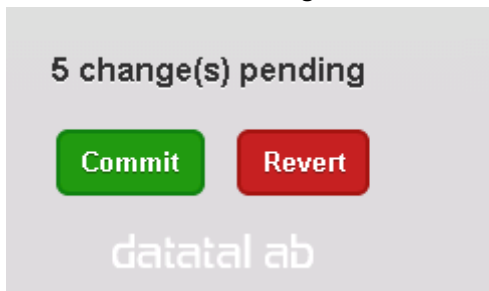
Lines: Enter number of lines that is order, if entered 20 lines and the license is valid for 16 lines, CTstack will only use 16 lines simultaneous

The screenshot shows the 'Datatal CTStack Configuration' web interface. The browser address bar shows 'localhost:1339/#'. The main content area is titled 'Mitel - Telephony' and contains the following configuration sections:

- Line configuration**
 - Standard
 - BlindCall source mode: All
 - INVITE expires: 25
 - Lines: 16
- SIP**
 - Address
 - Address: 6000
 - Default domain: string
 - Default SIP URI host: 192.168.50.210
 - Default SIP URI port: 5060
 - Name: Flexi
- Profile**
 - Apply: None
 - Current: None
- Trunk**
 - Trunk mode:

At the bottom of the sidebar, it indicates '5 change(s) pending' and provides 'Commit' and 'Revert' buttons.

Commit and commit changes



Click on SIP

Park other calls on Makecall: unchecked

Play "ring" at other calls on Makecall: checked

The screenshot shows a web browser window with the URL "localhost:1339/#". The page title is "Datatal CTStack Configuration". On the left is a sidebar menu with "Main menu" (containing CTStack and SIP), "Mitel" (selected, with a close button), "Media", "SIP", and "Telephony". A "+ Create entity" button is at the bottom of the sidebar. The main content area is titled "Mitel - SIP" and contains configuration options for Dialogs, Outbound, and Transfer. At the bottom of the sidebar, it shows "2 change(s) pending" with "Commit" and "Revert" buttons and the "datatal ab" logo.

Dialogs	
Always create early dialogs:	<input type="checkbox"/>
Retry-After 4xx:	<input type="text" value="25"/>
Use OPTIONS for keep-alive:	<input type="checkbox"/>
Outbound	
Always use proxy:	<input type="checkbox"/>
Outbound proxy:	<input type="text" value="string"/>
Set 'Diversion' header on MakeCall:	<input checked="" type="checkbox"/>
Set 'History-Info' header on MakeCall:	<input type="checkbox"/>
Transfer	
Park other calls on MakeCall:	<input type="checkbox"/>
Play 'ring' at other calls on MakeCall:	<input checked="" type="checkbox"/>
Terminate local call transfer on INVITE:	<input type="checkbox"/>
Treat BYE as transfer success:	<input type="checkbox"/>
Use 'Remote-Target' in 'Refer-To':	<input checked="" type="checkbox"/>
Wait for park complete on MakeCall:	<input checked="" type="checkbox"/>

Datatal CTStack Configuration

Main menu

- CTStack
- SIP

Mitel

- Media
- SIP
- Telephony

+ Create entity

2 change(s) pending

Commit Revert

datatal ab

Use 'Remote-Target' in 'Refer-To':

Wait for park complete on MakeCall:

Registrations Users

Registrations:

ADD EDIT REMOVE

SIP Dialogs

Use 'From' header:

RFC 3325

P-Identity mode: Both

Use P-Asserted-Identity:

Transport

Transport: UDP

Press commit to commit changes

2 change(s) pending

Commit Revert

Media,

Send silent RTP frames: unchecked

Codec	
RTP	
Default RTP codec:	PCMA ▼
Conference	
Play file	
Member joined:	? string
Member left:	? string
RTP	
Audio	
Disable audio ping:	? <input checked="" type="checkbox"/>
EIRTPWNR:	? <input type="checkbox"/>
Random sampling rate:	0
Sampling rate:	0
Send silent RTP frames:	? <input type="checkbox"/>
Networking	
Max RTP port:	? 50000
Min RTP port:	? 40000
RtpIPAddress:	string
RtpIPPort:	0

STOP and START CTStack and CTENGINE services, when number of lines are change these two service has to be restarted

