

CCM Express version 4.1 - How to interconnect with CCM Express version 4.1?

- 2N[®]VoiceBlue Next has these parameters:
 - IP address 192.168.22.42
 Incoming port: 5060
 - Cisco Unified Communication Manager Express parameters:
 - IP address 192.168.22.35
 - Incoming port: 5060

2N[®] VoiceBlue Next Settings

1. SIP Trunk Interconnection

For the setting of the trunk between the $2N^{\textcircled{R}}$ VoiceBlue Next and your PBX you need to configure SIP proxy (GSM \rightarrow IP) for GSM incoming calls. SIP proxy (IP \rightarrow GSM) is designed for secure communication with traffic from your CME only. You can specify the IP address and port from which SIP packets will be accepted.

In case you leave there 0.0.0.0 it will be open for all traffic.



2. Configuration of the LCR (Least Cost Routing)

The GSM operator has e.g. in our country prefix 6 and 7 with a nine digits in the number. The setting is below.



ZN TELECOMMUNICATIONS		Gateway
Gateway control	Prefixes	
Gateway configuration	GSM prefix lists	
System parameters		
 VoIP parameters GSM basic parameters 	Prefixlist 1 Prefixlist 2 Prefixlist 3 Prefixl	list 4 Prefixlist 5 Prefixlist 6 Prefixlist 7 Prefixlist 8
 GSM basic parameters GSM groups assignment 	Basic settings	
GSM outgoing groups	GSM network ID:	
GSM incoming groups	Default count of digits:	9
Prefixes	-	
= LCR table	Table of replaced prefixes	Table of accepted prefixes
CLIP Routing table	Only 0123456789*#+ characters are allowed	Ask 04224567001%, abarastera ara allawad
Mobility Extension	Univ 0123456789 #+ characters are allowed	Only 0123456789*#+ characters are allowed
Ethernet configuration	Prefix:	7 Prefix
Login configuration	Prem.	Frenx.
Web configuration	Replace with:	[Digits count]:
Report configuration		<u>×</u>
Configuration backup	Add	Add
	Remove	Remove
	Remove all	Remove all
	×	_
Logout ①		
rogout ()		

You need to create LCR rule for defined prefixes. The GSM group defines a way for the outgoing call routing. An appropriate SIM card is selected based on the GSM groups assignment.



Gateway configuration							
	Des dia Mat				Gauss	0.11	Demonstra
System parameters	Prefix list	Time limitation	Weekend usage	Max. length of call	Groups	Add	Remove all
 VolP parameters 	1/	0:00/24:00	Use as in week	110	1	Edit	Remove
GSM basic parameters	2/	0:00/24:00	Use as in week	Off	2	Edit	Remove
 GSM groups assignment 							
 GSM outgoing groups 							
GSM incoming groups							
• Prefixes							
LCR table							
CLIP Routing table							
Mobility Extension							
Ethernet configuration							
Login configuration							
* Web configuration							
Report configuration							
Configuration backup							
Logout ()							

GSM basic parameters

3. Configuration of GSM outgoing groups:

You are able to set up different settings for each GSM group (CLIR, free minutes, virtual ring tone, roaming and others).

2. Group

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1. module

1. Group

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SN		1	Gateway
TELECOMMUNICATIONS		Gatev	way Update Restart
Gateway control	GSM outgoing groups		E
Gateway configuration	oom outgoing groups		
 System parameters 	1. GSM group 2. GSM group		
VoIP parameters			
GSM basic parameters	General settings		
 GSM groups assignment 	Delay for CONNECT [s]:	Off 🗾	
GSM outgoing groups	Minimal ring duration to send "SMS at no answer" [s]:	Off 🗾	
GSM incoming groups	Delay for ALERTING [s]:	4 💌	
* Prefixes	'Minute' parameter:	Count of minutes	
LCR table	Day of deleting statistics in group (every month):	1	_
CLIP Routing table	Generate virtual ring tone:	<u> </u>	
* Mobility Extension	Call length counting:	Seconds	-
Ethernet configuration			
Login configuration	Disconnect call		
Web configuration			
Report configuration	SIM limit exceeded:		
Configuration backup	Time limit exceeded: No ALERTING before CONNECT:		
	Send CLIP from VoIP to GSM/UMTS		
			wyour GSM / UMTS operator. In SM (11MTS can be released)
Logout ()			

4. Incoming calls

For incoming calls you can define 2 groups with the different behavior and assign them to the GSM modules. The settings are similar with GSM groups assignment for outgoing calls.

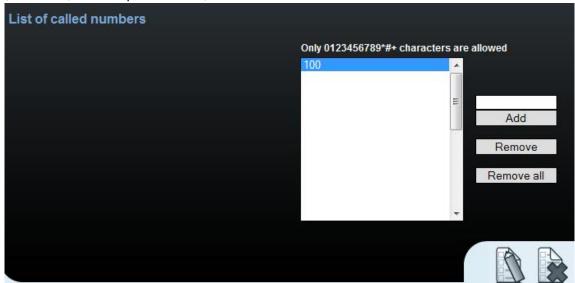
GSM groups a	issignme	ent		
Module:	Outgoing:		Incoming:	
0. module	1. Group	-	1. Group	•
1. module	2. Group	•	1. Group	•

In GSM incoming groups you can define the behavior for each GSM incoming group. Choose the mode to Reject, Ignore, Accept incoming calls or Callback.





You can define the list of called numbers which will be automatically dialed after DTMF dialing timeout if the customer does not press any button within the specified time. From the configuration you can see 10 seconds for DTMF dialing and after that the call will be routed to the extension 100 to your CME (if you set up SIP proxy (GSM->IP) in VoIP parameters).



Cisco Unified Communication Manager Express setting



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- Freeware program was used for the configuration- Cisco Configuration Professional version 2.3. For configuration enter the menu: Configure \rightarrow Voice \rightarrow Dial Plan \rightarrow VoIP and set up the prefix and IP ٠
- address to the $2N^{(\!8\!)}$ VoiceBlue Next gateway. The prefix 6.T in the example means that prefix is 6 plus other digits after 6 without limit. ٠

General Digit Manipulation	Calling Restrictions
Dial Peer Number *: Description : Priority :	2 2N_VoiceBlue_Next (1-64 Characters) Priority 0
Remote Site :	192.168.22.42 SIP Trunk
Destination Number : Incoming Called Number : Answer Address : Shutdown Dial Peer :	6.T
Protocol : Codec : DTMF Tone Relay Type :	 H.323 ● SIP ● g711alaw ▼ ○ Voice Class Codec 1 ▼ ■ rtp-nte ▼
	abled, only speech voice data packets are sent over the network, are dropped optimizing the network bandwidth usage. on
Indicates a mandatory field	

• In the picture below you can see the configuration program with the saved routing to the 2N[®] VoiceBlu e Next.

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Cancel



Application Help							
🟠 Home 🔯 Configure 📓 Monitor 🛛 😤 🎨 💮 🎯 Cisco Configuration Professional							al altala cisco
Select Community Member: 192.169.22.21 +		e > Dial Plans > Vo	IP				3
	Pilter						2 rows retrieved
Voice	Dial Peer Tag	Description	Destination Numbers	Incoming Called Numbers	Translation Profile Outgoing	Translation Profile	Remote Site
Voice Mode	1	Helios IP	3336				192.168.22.26
Advanced Telephony Setting	2	2N_VoiceBlue_Ne:	6.T				192.168.22.42
🕨 🧰 Users, Phones and Extension							
🕨 🚞 Trunks							
🕫 📴 Dial Plans							
POTS							
VoIP							
Calling Restrictions							

- Incoming calls are automatically enabled by a new trunk. All incoming calls from 2N[®] VoiceBlue Next will be routed to stations in CME or you can create your own dial plan. In the CME version 4.1 you are not able to register SIP phones. ٠
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!!! Download the PDF by clicking on the arrow on the left side!!!

More product information: 2N[®] VoiceBlue Next (Official Website 2N)