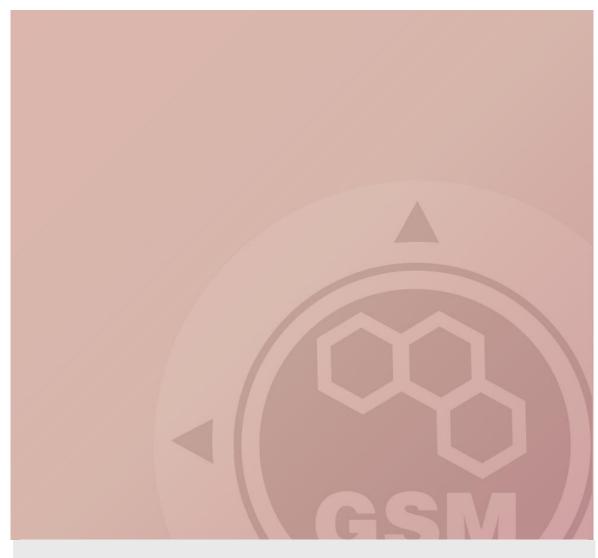


2N[®] VoiceBlue Next



2N® VoiceBlue Next & Cisco Unified Communications Manager Express verze 4.1(0)

connected via SIP trunk

Quick guide

Version 2.00

www.2n.cz

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

SIP TRUNK INTERCONNECTION

 For the setting of the trunk between the VoiceBlue Next and your PBX you need to configure SIP proxy (GSM→IP) for GSM incoming calls. SIP proxy (IP→GSM) is designed for secure communication just with traffic from your CME. You can specify the IP address and port which will accept SIP packets from.

Gateway Gateway | Update | Restart Gateway control Gateway configuration Codec Number of blocks VAD System parameters VoIP parameters 2 x 10ms - GSM basic parameters G729 2 x 10ms - GSM groups assignment The IP address Codec priority GSM outgoing groups to which the = GSM incoming groups The IP address and G711a (8) Priority 1: -Prefixes G711u (0) Priority 2: traffic is send port which will = LCR table Priority 3: CLIP Routing table accept traffic from Mobility Extension **IP** addresses Ethernet configuration Login configuration SIP proxy (IP->GSM): 0.0.0.0 Set default port 5060 Web configuration 192.168.22.35 Set default port SIP proxy (GSM->IP): 5060 Report configuration SIP registrar: 0000 5060 Set default port NAT firewall: 0.0.0.0 Configuration backup STUN server. 0.0.0.0 3478 Set default port Next STUN server request (60-6553, 0=off) [s]: 6000 Tones generated to VoIP Logout ()

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 digit the length number. The setting is below.



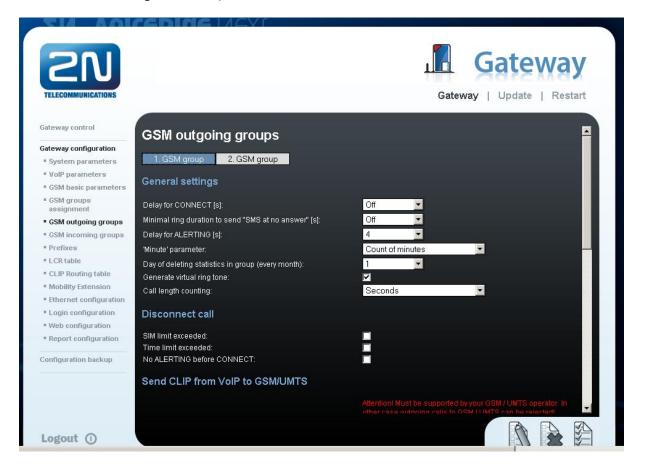
3) You need to create LCR rule for defined prefixes. The GSM group says thru with outgoing group the call will follow and in the GSM group assignment you can define, which SIM cards below to which GSM outgoing group.

TELECOMMUNICATIONS					Gate	wav I Up	date Restart
Gateway control							
	LCR ta	ble					<u>×</u>
Gateway configuration	Prefix list	Time limitation	What was during a		Course	0 al al	Demonsell
System parameters	1/	0:00/24:00	Weekend usage	Max. length of call Off	Groups 1	Add	Remove all
VoIP parameters	2/	0:00/24:00	Use as in week	Off	2	Edit Edit	Remove
 GSM basic parameters GSM groups assignment 		0.00/24.00	Use as in week		2	Cuit	Remove
GSM outgoing groups							
GSM incoming groups							
• Prefixes							
LCR table							
CLIP Routing table							
Mobility Extension							
Ethernet configuration							
Login configuration							
Web configuration							
Report configuration							
Configuration backup							

Gateway control	GSM groups assignment							
Gateway configuration		_						
System parameters	Module:	Outgoing:	Incoming:					
VoIP parameters	0. module	1. Group	 1. Group 	•				
GSM basic parameters	1. module	2. Group	▼ 1. Group ·	•				

4) Configuration of GSM outgoing groups:

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



5) 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 group	s assignm	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 don't press any button till 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).

List of called numbers		
	Only 0123456789*	#+ characters are allowed
	100	
		E
		Add
		Remove
		Remove all
		Remove all

CISCO UNIFIED COMMUNICATION MANAGER EXPRESS SETTING

For configuration was used freeware program - 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 address to the 2N VoiceBlue Next gateway.

The prefix **6.T** as in the example means that prefix is 6 plus other digits after 6 without limit.

General	Digit Manipulation	Calling Restrictions
Dial Peer I Description Priority : Remote Si	n :	2 2N_VoiceBlue_Next (1-64 Characters) Priority 0 I 192.168.22.42 SIP Trunk
Incoming Answer Ad	n Number : Called Number : dress : Dial Peer :	6.T
Woice A With voi and sile		 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.

* Indicates a mandatory field

OK Cancel	

In the picture below, you can see the configuration program with the saved routing to the 2N VoiceBlue Next.

Application Help							
🛕 Home 🔯 Configure 🌉 Monitor 🕺 😵 🔶 🙆 Cisco Configuration Professiona							
Select Community Member: 192.168.22.21 +	-	ce > Dial Plans > Vo	IP				G
Voice	P Filter Dial Peer Tag	Description	Destination Numbers	Incoming Called	Translation Profile Outgoing	Translation Profile	2 rows retrieved
Voice Mode	1	Helios IP	3336	Humbers	Profile Outgoing	Profile	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							
Translation Bules and Pro							

Incoming calls are automatically enabled by a new trunk. All incoming calls to 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.



2N TELEKOMUNIKACE a.s.

Modřanská 621, 143 01 Praha 4 tel.: 261 301 111, fax: 261 301 999, e-mail: sales@2n.cz www.2n.cz