Beronet berofix 400/1600/6400

This guide will show you how to connect the bero*fix gateway to T440 /T640

- 1. Open the web configuration interface by pointing a browser to the IP Address of the Beronet gateway and login .(The default credentials for the Beronet web interface are Username: admin, Password: admin blocked URL
- 2. Click on the "Easy Configuration Wizard" Butto

bero*fix	Languages: 就 🖌
STATE	
Dialpian Sip+ PSTN+ Hardware Preferences+ Management+ Logout Easy Configuration Wizard Starting Telephony Services	
	Help beroNet i

3. Choose senario Gateway

bero*fix	
Easy Configuration Wizard	
After ending of this wizard the system will be restarted.	
Scenarios:	
Gateway VolP PBX	
Test scenario	
Cancel	Next
	Help
	bero Net

4. Setup the following parameters: Name = PRI E1

Server Address (IP T440 or T640 / default 192.168.0.50) = 192.168.0.50

3X firmware uses PJSIP, target po	rt has to be defined after server addre	ess : 192.168.0.50 :5070
SIP CONFIGURATION		
Name:	BeroT0	
Server Address:	192.168.1.200:5070	
	3X firmware uses PJSIP, target po URATION Name: Server Address:	3X firmware uses PJSIP, target port has to be defined after server addre URATION Name: BeroT0 Server Address: 192.168.1.200:5070

Use Sec	er (Username to register T440 or T640 to Ber rret (Pwassword to register T440 or T640 to B	ronetgatway) = I 3eronetgatway)	beronetpri =beronetsecret		
	bero*fix				
	E	asy Configuration Wiz	zard		
	After ending of thi	s wizard the syste	em will be restarted.		
		Sip configuration			
	Name:	PRI E1			
	Server Address:	192.168.0.50			
	Secret:	beronetsecret			
				Cancel	Next
					Help
					bero <mark>Net</mark> 🏭

5. Select the PRI Port and enter Group Name= BeronetPort1

bero*fix		
Easy Co	nfiguration Wizard	
After ending of this wize	rd the system will be restarted.	
PSTN-Net	vork-Group (TE-Ports)	
Group Name:	PRI PRI	
Ports:		
	Port 1	
		Cancel Next
		Help bero Net i

6. Finish the Beronetgateway configuration

bero*fix		
	Easy Configuration Wizard	
	After ending of this wizard the system will be restarted.	
Sip Entry: Name: PRI E1 Server Address: 192.168.0.50 User: beronetscret Secret beronetscret Register: 0		
PSTN Entry: Group Name: PRlport1 Ports: 1		
Dialplan Entries: From direction: sip To direction: sidn From ID: p:PRI E1 To ID: g:PRI PRI off Destination: (*) New destination: 1 Source: (*) New source: 1		
From direction: isdn To direction: sip From ID: grPRIport1 To ID: p:PRIE1 Destination: (*) New destination: 1 Source: (*) New source: 1		
		Cancel Finish
		Help
		bero Net 🏭

7. Open the web configuration interface by pointing a browser to the IP Address of the T440 or T640. (The default credentials for the Beronet web interface are Username: admin, Password: 1234)

	Gigase	t
Login Usename PN Login Login		

For entering a new SIP trunk to connect the Beronet gateway into the PBX, you need some steps:

- Adding a new Gateway group
- Adding a new SIP gateway
 Defining the inbound routes assignment of number to extension)
- Defining the outbound routes

Let's assume our provider allocate the following numbers: 0891234567[0-9] and we choose following internal numberblock 67[0-9]

8. Create a new gateway group

In the Gigaset PBX go to "Administration" - "Routes" - "Gateway groups" enter a name for the new group and click on: Create new group In the Gateway group you have to define the Outbound Caller ID, the Inbound DIDs (how the number is forwarded to the Inbound routes) and the Inbound caller ID (number presentation of external caller). in addition you can permit here inbound calls in general for this gateway group.

A Home '≡ Menu	Gall Center	
Users & extensions		
System	Gateway groups	
Provisioning		Caller IDa
Routes	Gateway group Gateways Gineset (SDN Line (nineset-isdn-line)	
	organet foor time (giganet foor mit)	
SIP gateways		
TDM Gateways	Gateway group	Create new grou
Inbound routes		
Outbound routes		
Call forward queues		
System status	>	

Outbound caller ID

As the last 3 digits of the provider number blocks are matching the user extensions (e.g. 678), we just add the full extension to the trunk part 08912345. For external calls, we will present e.g. 08912345678 to the calling party.

Inbound DIDs

For incoming calls, we will route the complete number to the Inbound routes (e.g.08912345621).

Inbound caller ID

For incoming calls, we will add an additional 0 in front of the external number of the caller, in order to use the callback-feature of the phone (e.g. 008912345678). During the call-setup the additional 0 will be automatically removed.

Gateways

This field will be empty when you create this Gateway group. It will show later the assigned SIP gateways

A Home [*] ≡ Menu → Call	Center O Administratio	'n	Gigaset ?Help ▲Profile
Users & extensions >	Edit gateway group		
System >			
Provisioning >	Title	Pri External	(1) Search/Heplace pattern (PCHE) for outbound caller ID signalling, Examples: Extension only: s/(1)(\$1/
Routes ~	Permit inbound calls	ON	National format: a/*(.*)/030123456\$1/ International format: a/*(.*)/004930123456\$1/ or
Gateway groups	Outbound caller ID	Search/replace pattern for outbound caller ID (1)	s/*(.*)/+493012345651/ Same number for all users: s/*(.*)/00493012345612/
SIP gateways		s/ ^(.*)	format. (2) If necessary, specify here a PCRE-pattern which
TDM Gateways		/ 08912345\$1 /	removes prefixes from inbound numbers, so that only the internal extension remains. Examples:
Inbound routes	Inbound DIDs	Search/replace pattern to cut prefixes (2)	a/*026313370// a/*(((0049(0)2631))3370// g/*(?(?0049(0)2631)?3370(.*)/S1/
Outbound routes		s/ ^(.*)	(3) Search/Replace pattern (PCRE) for inbound caller IDs, to fix up eventually wrong signalled caller IDs. Example:
Call forward queues		/ \$1 /	s/*/0/ or s/*(.*)/0\$1/ to prefix the caller ID with a 0. Empty for no automatic change.
System status >	Inbound caller ID	Search/replace pattern for inbound caller ID (3) a/ ^(.^) / 0\$1 //	networke a leading 0 to/form call tog sensitive to both at networke a leading 0 to/form call tog sensitive by using at/YO/ or str(")/051/.or str0// or str0// 1/S1/.
	Gatewaya		

9. Create a new Sip gateway

The SIP gateway contains all necessary data for the registration and dial command and how the number is delivered to/from the provider.

Registra

IP Address of Beronet gateway

<u>User</u>

User (Step 4 Beronet gateway) = beronetpri

Password

Password (Step 4 Beronet gateway = beronetsecret

Dial command

The dial command is the command which is used in the asterisk software. The term {number:1} means, that at the dialled number (e.g. 0089987654321) the first digit is removed. If you don't use a line access code (in most cases '0' is used), you have to remove the ':1'!!!

<u>Group</u>

Select here the previously created gateway group.

Update remote party ID (CLIP)

To display the correct extension at external parties, you have to use the P-Asserted-Identity (PAI) setting. If this is not selected, only the headnumber (e.g.0891234567-0) will be presented, no matter which extension is used to dial.

			Gigaset
A Home ► Menu O Ca	all Center O Administration		? Help 🔺 Profile
Users & extensions >			
System >			
Provisioning >	Edit SIP gateway: PRI beronet		
Routes ~	Title	PRI beronet	(1) Empty for no proxy.
Gateway groups	Name	aw 4 priberonet	(2) For some SIP providers, it might be necessary to use the format user@idomain (domain is then used in the
SIP gateways		3 m_r_processor	From header, which equals fromdomain in Asterisk.)
TDM Gateways	Registar	192.168.0.20	(3) String for the Dial()-command. Gemeinschaft will automatically replace (number) by the called number,
Inbound routes	Proxy [1]		{number:} without the first digit and {gateway} with the internal description of gw_1_amt.
Outbound routes	User [2]	beronetpri	(4) In order to use gateways, they must be assigned to a gateway group.
Call forward queues	Password	beronetsecret	(5) When specifying the port (standard SIP port: 5060), it
ystem status >	Allow outbound calls		will be directly used. Without, a DNS lookup of the SRV record _sip_udp of the domain (or server) will be
			Record, Srv Resource Record (en), CIDR, SIP-DNS- Srv-Record, SIP-DNS-Srv-Records (en), SIP-DNS-
	Register	ON	Srv-Records (en)
	Language	de - German (de-DE) 👻	(6) Useful settings are e.g. 0.0.0.0/0, to allow calls from all IP adresses,
	Dial comand [3]	SIP/{number}@{gateway}	192.0.2.0/24 to allow calls originating from network 192.0.2.*, 192.168.0.0/16 to allow calls originating from network
	Source of destination number	INVITE request line	192.168.**; 192.168.**; 192.168.1.1/32 to allow calls originating from IP adress
	en un fil		192.168.1.1 etc. More Information IP address, Subnet, CIDR, sip.conf
	Group [4]	Phi external	(7) The priority of the codes is from left to right and top to
	Port [5]	5060	bottom
A Home [*] ≡Menu 0 Ci Users & extensions	all Center O Administration		Gigaset ?Help ▲Profile
Svetem	Source of destination number	INVITE request line	More Information IP address, Subnet, CIDR, sip.conf
	Group [4]	Pri External 👻	(7) The priority of the codes is from left to right and top to bottom
Routes	Port [5]	5060	
Gateway groups	NAT	yes 👻	
SIP gateways	Redirect RTP stream	Do not reroute RTP stream (default)	
TDM Gateways	Check availability	ON	
Inbound routes	,	-	
Outbound routes	Simultaneous calls	0 0 for unlimited (default)	
Call forward queues	DTFM mode	rfc2833 - RTP meta data -	
system status >	Insecure	port,invite - Options "port" and "invite" •	
	Update remote party ID (CLIP)	Use P-Asserted-Identity header -	
	Trust remote party ID	no - Deactivated (default)	
	Codecs [7]	G.722 G.729 € G.7118 G.711u	

nh Home ' ≡Menu ⊖C	ill Center 💍 Administration	GI ? He
Users & extensions >	Codecs [7] G.722 G.729 @ G.711a	G.711u
System >	GSM H.261 H.263 H.263+	
Provisioning >	Allowed IP subnet 0.0.0.0	/ 0
Routes ~		
Gateway groups		
SIP gateways	Advanced parameters	
TDM Gateways	Value	
Inbound routes	Value +	
Outbound routes		
Call forward queues	Preview of neer in sin conf	
System status >	and the second se	
	[gw.4_pribetone] type = pee host = 192.160.020 port = 500 defailutuer = benonetpui secret = benonetpui secret = benonetscret language = de insecure = portunite sendipio = pai trustrois = no	

10. Inbound routes

In addition it is advised to activate the advanced options by clicking it to 'ON' and then pressing Show.

Rule

Enter here a name for the according rule.

Date / Weekdays / Time

With these settings you can configure a time-controlled routing to different targets.

Pattern / Target

In the pattern you define which part of the incoming number is used to forward the call to the according extension. In our example we cut off the first part 08912345 and forward all additional numbers (e.g.678) to the target. When the PBX finds an according extension it will route the call to it. The shown example is the easiest way for blocks of numbers, but also other configurations or assignments are possible.

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🕇 Home ⁺≡Menu 存) Call Center 🛛 🔿 Adm	inistration				? Help	🛓 Profile
Users & extensions							
System	> Inbound routes Nigh	at answer service					
Provisioning	> Inbound routes						
Routes	~						
Gateway groups	Gateway group	Pri External (pri-external	0	-			
SIP gateways	Advanced options	ON					
TDM Gateways	_						
Inbound routes	Dute	fative Data	Mashdava	Time Deckie	0	T	
Outbound routes	Default	Active Date	M T W T F S S	nine Prome	Pattern	Target	
Call forward queues	Deraut	to	* * * * * * *	to	00912240()	31	
System status	>			24:00			-
		ON	M T W T F S S ØØØØØØØ	00:00 · •			
		to		24:00			

11. Outbound routes

In the Gigaset PBX go to "Administration" - "Routes" - "Outbound routes" activate the Advanced options by clicking it to 'ON' and then pressingSh ow.

<u>Rule</u>

Enter here a name for the according rule.

Date / Weekdays / Time

With these settings you can configure a time-controlled routing.

Pattern

In the pattern you define how the outside line is seized. In our example all dialled numbers starting with '0' will use the Gateway group External PRI.

A Home I	⊖ Call Center _ ○ Admin	istration						Сі ? неі	gaset p ▲Profile
Users & extensions									
System	> Outbound Routes								
Provisioning	>								
Routes	Advanced options	ON							
Gateway groups									
SIP gateways	Rule	Active	Weekdays	Time	Pattern	Group	Gateway group	Add prefix	
TDM Gateways	Default	ON	M T W T F S S ØØØØØØØ	00:00	<u>^0</u>	[all] • Pri Ex	Pri Ex 👻		· ·
Inbound routes				to					
Outbound routes				24.00			· •		
Call forward queues									
System status	>	ON	M T W T F S S ØØØØØØØØ	00:00		[all] •	• •		
				24:00					
							• •		