# Interop T440/T640 2.0 ECOTEL VolP-Trunk

ECOTEL VoIP-Trunk (T440/640 SW-version 2.0.0)

11011111		
Yes		
see chart below		



- ECOTEL VolP-Trunk (T440/640 SW-version 2.0.0)
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## Gigaset T440/T640 PRO settings.

For entering a new SIP trunk into the PBX, you need some steps:

- 1. Adding a new Gateway group
- 2. Adding a new SIP gateway
- 3. Defining the inbound routes (assignment of number to extension)
- 4. Defining the outbound routes

Let's assume our SIP trunk contains the following numbers:

### 0891234567[0-9]

And we choose followwing internal numberblock:

67[0-9]

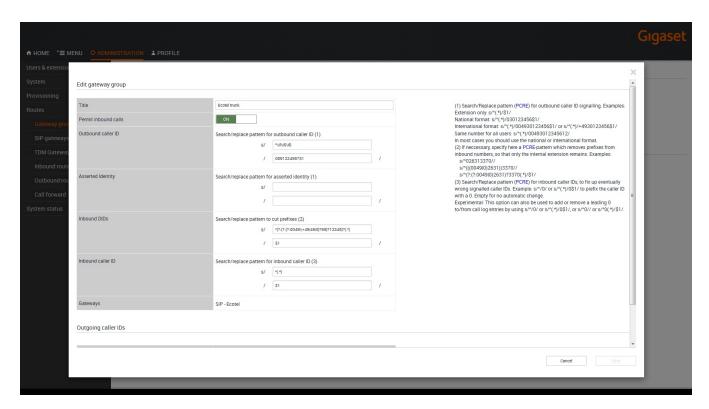
And we have no line-prefix.

#### **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.



Example of ECOTEL VoIP trunk gateway group settings.

#### Outbound caller ID

As just the last digit of the trunk number block is changing, you can select just the last digit (in brackets) and put it into the variable \$1.

As the provider wants the signalling number in the format (country-code)(city-code)(number), you have to enter this number into the next line (here: 0891234567\$1, where the \$1 represents the changing part).

For external calls, we will present e.g. **08912345678** to the provider, and he will take care about the correct representation to the called party.

#### **Asserted Identity**

These fields are used specially for external forwardings. For ECOTEL VoIP Trunk, you can leave these fields empty.

#### Inbound DIDs

For incoming calls, you can use the regular expression, generated by the setup assistant. In your case you would have to adjust the city-code and the pilot-number, according to your line-settings.

This expression cuts all possibly available country- and city-codes and the pilot-number from the incoming number and only the extension is remaining (here: **678**). This will be forwarded to the Inbound Routes.

#### Inbound caller ID

For incoming calls, we will the external number of the caller "as-is" to the phone (e.g. **089987 654321**). 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.

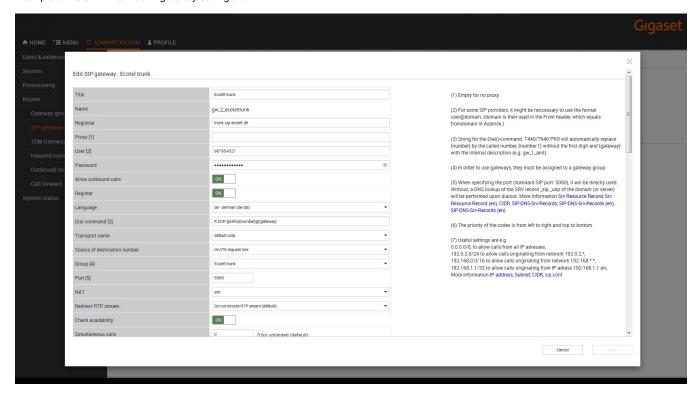
#### SIP gateway

In the Gigaset PBX go to "Administration" - "Routes" - "SIP gateways" enter a name for the new gateway and click on: Create new gateway

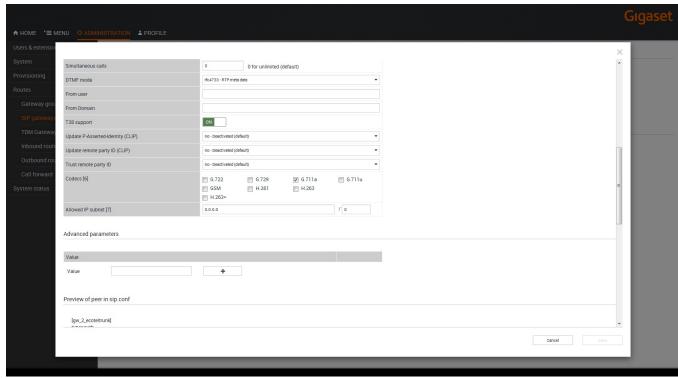
The SIP gateway contains all necessary data for the registration and dial command and how the number is delivered to/from the provider.

Just enter or choose the values according to your contract or VoIP trunk data you received from the provider.

Example of ECOTEL VoIP trunk gateway settings 1/2.



Example of ECOTEL VoIP trunk gateway settings 2/2.



#### Registrar

Use here the SIP-Server / Registrar (received by ECOTEL).

sip-ecotel.de

#### **Proxy**

In individual cases, an entry here can lead to problems, therefore This field should always remain free. (See Installation & Configuration Guide ECOTEL)

#### <u>User</u>

Enter here the **Username** (Benutzername), followed by '@sip-ecotel.de'. You have to enter the realm behind the username in order to properly register the trunk at the provider.

For example

021155007000@sip-ecotel.de

#### Dial command

The dial command is the command which is used in the asterisk software. The term {number} means, that the number (e.g. **021155007000**) is dialled as entered. If you use a line access code (in most cases '0' is used), you have to add ':1' after "number".

#### Group

Select here the previously created gateway group.

Update remote party ID or P-Asserted-Identitiy (CLIP)

These settings can be left on the default setting (no - Deactivated)

From Domain

Enter here the **Domain/Realm** delivered by ECOTEL

sip-ecotel.de

#### T38 support

In order to have a better fax-support for fax-machines, connected to the FXS ports activate this option.

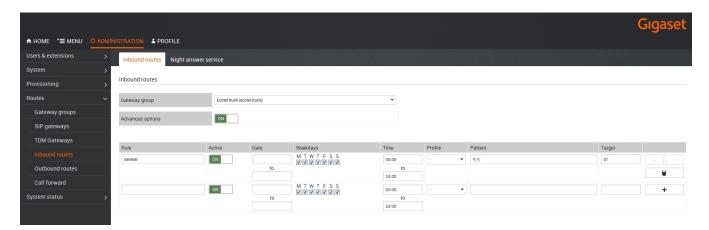
All tested scenarios were ok with this parameter activated.

Underneath the configuration parameter you will see a preview of the complete sip.conf file.

#### **Inbound routes**

In the Gigaset PBX go to "Administration" - "Routes" - "Inbound routes" select the correct Gateway group and press Show.

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



Example of ECOTEL VoIP trunk Inbound routes. 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 receive already the correct extension from the gateway group. Therefore no further number-manipulation is necessary.

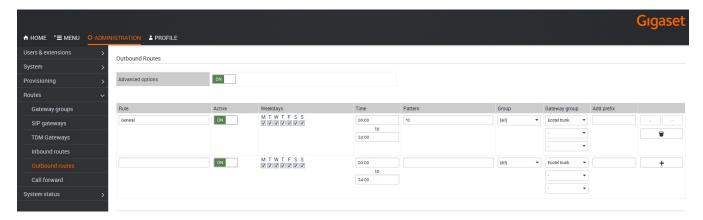
When the PBX finds an according extension it will route the call to it.

But you can add here exceptions from this rule, for example for internal fax users or waiting queues, etc.

Please have in mind the order of these rules, as the system is using First Match!!!

#### **Outbound routes**

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



Example of ECOTEL VoIP trunk Outbound routes.

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 ECOTEL VoIP trunk.

Remark: For calling anonymous to external parties, use the CLIR-setting in the HOME screen of the user!

#### **Fax support**

Following table shows you the current state (x.x.x) of supported fax constellations. These results are without a guarantee. Due to different end-devices, configuration of PBX or other settings the fax transmission might fail. More info about fax via VoIP networks can be found here.

Receiving	Sending			
	Internal FXS	Internal T38-Fax	External T38-Fax	External machine-Fax
Internal FXS			NT	NT
Internal T38-Fax			NT	NT
External T38-Fax	NT	NT		
External machine-Fax	NT	NT		

Used devices or services:

Canon Fax-L100 (internal FXS), www.minifax.de (external SW-Fax), Triumph Adler DCC 2725 (external machine-Fax)

- \* = T38 option in SIP gateway deactivated
- \*\* = T38 option in SIP gateway activated