Gateways

Section overview

This section allows you to configure and integrate all switches into billing via RADIUS, SIP or xDR-files upload.

The section is presented in a form of a table of all created gateways in the system with the following columns (see screenshot):

Screenshot: Gateways section
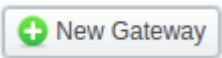
Column	Description
ID	ID number of a gateway
Name	Name of a gateway
RADIUS Server	Description of current status and collector type of RADIUS Server (if such is applied)
Files Collector	Description of current status and collector type of applied Files Collector (if such is applied)
LNP Files Collector	Description of current status and collector type of applied LNP Files Collector (if such is applied)
Files Downloader	Description of current status and collector type of applied Files Downloader (if such is applied)
SIP Server	Description of current status and collector type of applied SIP Server (if such is applied)

The following **functional buttons/icons** are present in the section:

Button/Icon	Description
New Gateway	Allows to create a new gateway
(traffic icon)	Allows to set up traffic processing rules
● / ○	Displays a current status - **enabled** or **disabled** - of RADIUS/SIP Server, Files Collector, etc.
✖	Allows to delete a gateway from the system. Requires confirmation

Adding a New Gateway

To add a gateway to the list, click the **New Gateway** button and specify parameters in a pop-up window with settings. You can access the advanced settings by clicking on a downwards arrow 🔽 icon next to the name of a respective information block.

Screenshot: Adding new Gateway

Information Block	Fields and Descriptions	
General Information	General gateway and events processing information	
	Name	Gateway name
	IP Address	Gateway IP address
	Allowed for	Specify here, which resellers can use current gateway
	Service	Select a service (calls, SMSs, data, etc.) for a current gateway
	Tag	Indicate a particular tag to filter events by gateways while creating invoices and using reports.
	Code Deck	The selected code deck will be used to pick codes and destination names for the Mobile Number Portability feature. By browsing information from the selected code deck, VCS will be able to perform appropriate number translations, which are processed by a current gateway.
	Click the downwards arrow ⬇ icon next to the **General Information** information block to access the following advanced settings: **Ident Priority -** a hierarchy of account identification. By default, the field value priority is **IP, name, ANI.** **ORIG ANI Ident -** select ANI identification of originating events (available options : **Src number ext, Src number bill, Dst ext, Dst number bill**) **TERM ANI Ident -** select ANI identification of terminating events (available options: **Src number ext, Src number bill, Dst ext, Dst number bill**) **Rate ORIG events by Dst In code** checkbox **-** activation/deactivation of originating events billed by DST PARTY ID IN **Rate TERM events by Dst Out code** checkbox **-** activation/deactivation of terminating events billed by DST PARTY ID OUT **Rate event only with "success" status** checkbox **-** activation/deactivation of processing of events that have "success" end code. If it's activated, events with error disconnect code won't be billed	
Files Collector	Information block regarding the **File Collector** settings. Files Collector gathers event data from xDR-files (activate this option if you plan to use integration via xDR-files)	
	Collector Type	Select a collector type you plan to use from the list

	• *D a t a S o u r ce*	Specify a data source, where xDR files are stored
	• *F r o m P a th*	Specify xDR-files path (mask paths are allowed). Available only for **SSH** and **FTP** ⚠️ **Attention** If there are **/var/cdrs** folder with the latest CDR files and **/var/archive_cdrs/** folder with outdated ones, and a user needs to download CDR files from both of them, he can use **;** (semicolon) to separate paths or /**/ for recursive download. New paths may have the following look: **/var/cdrs/**/bill*; /var/archive_cdrs/bill*.**
	• *S e n d e r M a t ch*	Indicate the sender name or email. Solely for **IMAP**
	• *S u b je c t M a t ch*	Use a regular expression to search by message titles. Solely for **IMAP**
	Click the downwards arrow 🔽 icon next to the **Files Collector** information block to access advanced settings: • *Overwrite TZ -* timezone selection (if you select a different timezone, the system will ignore a timezone stored in an xDRs-file and use **current** value) • *Skip Zero Events* checkbox - activation/deactivation of zero duration events ignoring • *Skip Released Events* checkbox - activation/deactivation of released events ignoring	
RADIUS Server	Information block regarding **RADIUS Server** settings. RADIUS Collectors gather packets from RADIUS-server via RADIUS-protocol (activate this option if you plan to use integration via RADIUS-protocol)	
	• *C o ll e c t o r T y pe*	Select a collector type you plan to use from the list

		RADIUS-server password
	• **Secret**	
		Click the downwards arrow icon next to the **RADIUS Server** information block to access advanced settings: • **Overwrite TZ -** timezone selection (if you select a different timezone, the system will ignore a timezone information stored in an xDR file and use **current** value) • **Track Active Events** checkbox - activation/deactivation of monitoring active events and event packets. This option is required for "Active Sessions" section to work and for RADIUS capacity control. Please note, it could slow down RADIUS for about 10-30% • **Skip Zero Events** checkbox - activation/deactivation of zero duration events ignoring • **Skip Released Events** checkbox - activation/deactivation of released events ignoring • **Collect Accounting Data** checkbox - if disabled, information from STOP packets will not be collected by database and *Radius Accounting* will be used only for *Active Sessions monitoring*. If enabled, information from STOP packets will be collected by database. By default, this checkbox **is marked**.
SIP Server		Allows acceptance of SIP packets from current gateway. Required for SIP Redirect routing feature
	• **Collector Type**	Select a collector type you plan to use from the list
LNP Files Collector		This collector processes downloaded LNP/MNP files and stores them in the database. It's accessible **only** when you **select the *LNP /MNP* type** of gateway.
	• **Collector Type**	Select a collector type you plan to use from the list

Files Downloading History

To view files downloading history, where gateway name, filename, download date and file size will be specified, open the **Downloads History** tab. Also, you can remove files from the list by selecting them and clicking the **Delete** button above the table.

Knowledge Base Articles

Error rendering macro 'contentbylabel'

parameters should not be empty