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 the 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)
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
	Allows to set up [traffic processing](#) rules
/	Displays a current status - **enabled** or **disabled** - of RADIUS/SIP Server, Files Collector.
	Allows deleting 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 downward arrow icon next to the name of a respective information block.

Information Block	Fields and Descriptions	
General Information	General gateway and events processing information	
	Name	Gateway name
	IP Addre ss	Gateway IP address
	Allow ed 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.
	Click the downward 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, D st 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	
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)	
	• **C o ll e c t o r T y pe**	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 the 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 downward 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
	• *S e c r et*	
	Click the downward 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 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 the database. By default, this checkbox **is marked**.	
SIP Server	Allows acceptance of SIP packets from the current gateway. Required for SIP Redirect routing feature	
	• *C o ll e c t o r T y pe*	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.	
	• *C o ll e c t o r T y pe*	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

In this article

- Section overview
- Adding a New Gateway
- Files Downloading History
- Knowledge Base Articles
- Section overview
- Adding a New Gateway
- Files Downloading History
- Knowledge Base Articles

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 the 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)
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
	Allows to create a new gateway
	Allows to set up traffic processing rules
	Displays a current status - **enabled** or **disabled** - of RADIUS/SIP Server, Files Collector.
	Allows deleting 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 downward 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.
	Click the downward 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
	• ***Data Source***	Specify a data source, where xDR files are stored
	• ***From Path***	Specify the 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 downward 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
	• **S e c r et**	RADIUS-server password
	Click the downward 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 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 the database. By default, this checkbox **is marked**.	
SIP Server	Allows acceptance of SIP packets from the 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.

	ID	Name	Filename	Download Date	File size
☐	11	Gateway	tmpysYWfv	01/25/2018 08:49:09 +0000	360.98 Kb
☐	10	Gateway	tmpPctDgm	01/25/2018 08:44:13 +0000	360.98 Kb
☐	9	Gateway	tmp8ukyJl	01/24/2018 15:59:04 +0000	360.98 Kb
☐	8	Gateway	tmpwEYa0B	01/24/2018 15:58:45 +0000	360.98 Kb
☑	7	Gateway	tmpHhIQoq	01/24/2018 15:50:10 +0000	360.98 Kb
☐	6	Gateway	tmp17fwZq	01/24/2018 15:49:47 +0000	360.98 Kb
☑	5	Gateway	tmpGtD8Zk	01/24/2018 15:49:35 +0000	360.98 Kb
☐	4	Gateway	tmpJKKpHb	01/24/2018 15:49:05 +0000	360.98 Kb
☐	3	Gateway	tmp1khURr	01/24/2018 15:42:45 +0000	360.98 Kb
☐	2	Gateway	tmpFcBHwW	01/24/2018 15:28:39 +0000	360.98 Kb
☐	1	Gateway	tmp6B_mqf	01/24/2018 14:33:50 +0000	360.98 Kb

Gateways | **Downloads History**

Delete — Rows **1 – 11** of **11** — 20 ▼ — Page 1 of 1

About | Get Support | 0.1178s

Knowledge Base Articles

Error rendering macro 'contentbylabel'

parameters should not be empty