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# Connections

To go to the section, click the **LAWFUL INTRCEPTION** menu item, then click the **CONNECTION** menu item.

VAS Experts

Search

SSG control

PCRF control

QoS analytics

VAS cloud services

Lawful interception

Connections

Traffic generation

Traffic capture

Traffic decode

Traffic decode logs

Cloning a website

Network audit

Health map

Administrator

Hardware SSH terminal

Version 2.23.5 B

Lawful interception > Connections

Reports

Requests

| Request | Date | User | Status | Data |
|---------|------|------|--------|------|
|---------|------|------|--------|------|

On the page 100

Results

Create subquery

App Http Ftp Mail Im Voip Pstn Flows

| Operator | Connection | IP address | Username | Calling | Called | Connection | Session ID |
|----------|------------|------------|----------|---------|--------|------------|------------|
|----------|------------|------------|----------|---------|--------|------------|------------|

On the page 100

## Reports

### Add Request

To add a connection request, click on the **"Add Request"** button.

**Connections search request**

Description

Period

Operators

Max number of entries

Max number of records in query results

**Resources and services**

**Aaa subscribers sessions**

☐ Aaa subscribers session

☐ Http

☐ Ftp

☐ E-mail

☐ Im

☐ Voip

☐ Pstn

☐ Terminal sessions

☐ Flows

☐ Enable search

☐ Connection point

Connection point

☐ Connection type

Connection type

☐ Subscriber login

☐ Subscriber password

Subscriber login

Subscriber password

☐ IP address

IP address

☐ Protocol code

Protocol code

Cancel Save

- **Description.** This field contains the name or description of the request.
- **Period.** This field is filled in by selecting the start and end dates of the period in the calendar.
- **Operators.** This field is filled in by selecting an operator from the drop-down list.
- **Maximum number of entries.** This field is filled in by selecting the number of entries from the drop-down list
- **Resources and Services.**

## Aaa session subscribers

**Resources and services**

**Aaa subscribers sessions**

☒ Aaa subscribers session

☐ Http

☐ Ftp

☐ E-mail

☐ Im

☐ Voip

☐ Pstn

☐ Terminal sessions

☐ Flows

☐ Enable search

☐ Connection point

Connection point

☐ Connection type

Connection type

☐ Subscriber login

☐ Subscriber password

Subscriber login

Subscriber password

☐ IP address

IP address

☐ Protocol code

Protocol code

Cancel Save

- **Enable search.** This option allows you to enable the search for subscribers.
- **Connection point.** ID of the data connection point.
- **Connection type .**
- **Subscriber login.** The subscriber's login is entered in this field.
- **Subscriber's password.** The subscriber's password is entered in this field.
- **IP address.** The subscriber's password is entered in this field.

- **Protocol code.** The protocol code is entered in this field.
- **Phone card number UPD ping.** The phone card number is entered in this field.
- **Calling number.** The calling number is entered in this field.
- **Called number.** The called number is entered in this field.
- **Код зоны обслуживания (SAC).** В данное поле вводится код зоны обслуживания.
- **Mobile station ID.** Enter the mobile station ID in this field.
- **Access Point (APN).** An access point is entered in this field.
- **NAS server.** Enter the IP address of the NAS server and the port of the NAS server in this field.
- **GPRS/EDGE SGSN IP address.** Enter the GPRS/EDGE SGSN IP address in this field.
- **GPRS/EDGE GSM IP address.** The GPRS/EDGE GGSN IP address is entered in this field.
- **IMEI of the mobile subscriber.** The IMEI of the mobile subscriber is entered in this field.
- **Mobile subscriber's IMSI.** The IMSI of the mobile subscriber is entered in this field.
- **Modem pool number.** The number of the modem pool is entered in this field.
- **User equipment.** Enter the MAC address, ATM Network Virtual Path Number (VPI) and ATM Network Virtual Channel Number (VCI) in this field.
- **Base station (connection established).** In this field, enter the base station area code (connection established), the base station code (connection established) and the base station time compensation (connection established).
- **Base station (connection completed).** In this field, enter the base station area code (connection completed), the base station code (connection completed) and the base station time compensation (connection completed).

## Http

- **Enable search.** This option allows you to enable the search for subscribers.
- **Connection point.** ID of the data connection point.
- **Url.** Enter the url in this field.
- **Http method.** The http method is selected from the drop-down list.
- **Source IP.** In this field, enter the source Ip and the source port.
- **Recipient's IP.** In this field, enter the recipient's Ip and the recipient's port.
- **Reason for termination.** The reason for connection termination is entered in this field.
- **Subscriber ID.** The subscriber ID is entered in this field.

## FTP

The screenshot shows a configuration window titled 'Resources and services' with a sub-tab 'Ftp'. On the left, a list of services includes 'Aaa subscribers session', 'Http', 'Ftp' (selected), 'E-mail', 'Im', 'Voip', 'Pstn', 'Terminal sessions', and 'Flows'. The main area contains the following fields:

- ☐ Enable search
- ☐ Connection point
- Connection point: \_\_\_\_\_
- ☐ Ftp-login      ☐ Ftp-password
- Ftp-login: \_\_\_\_\_      Ftp-password: \_\_\_\_\_
- ☐ Server name
- Server name: \_\_\_\_\_
- ☐ Source IP
- Source IP: \_\_\_\_\_      Source port: \_\_\_\_\_
- ☐ Destination IP
- Destination IP: \_\_\_\_\_      Destination port: \_\_\_\_\_

At the bottom are 'Cancel' and 'Save' buttons.

- **Enable search.** This option allows you to enable the search for subscribers.
- **Connection point.** ID of the data connection point.
- **Sender.** The sender's e-mail address is entered in this field.
- **Recipient.** The recipient's e-mail address is entered in this field.
- \* **Copy.** In this field, enter the e-mail of the recipient of the copy of the mail message.
- **Subject.** The subject of the message is entered in this field.
- **Message.** The text of the message is entered in this field.
- **Server name.** In this field, enter the name of the server through which the email was sent.
- **Attachments.** You must select the option of having attachments from the drop-down list.
- **Source IP.** In this field, enter the source IP and the source port.
- **Recipient IP.** The recipient's IP address and the recipient's port are entered in this field.
- **Reason for completion.** The reason for connection termination is entered in this field.
- **Subscriber ID.** The subscriber ID is entered in this field.

## E-mail

The screenshot shows a configuration window titled 'Resources and services' with a sub-tab 'E-mail'. On the left, a list of services includes 'Aaa subscribers session', 'Http', 'Ftp', 'E-mail' (selected), 'Im', 'Voip', 'Pstn', 'Terminal sessions', and 'Flows'. The main area contains the following fields:

- ☐ Enable search
- ☐ Connection point
- Connection point: \_\_\_\_\_
- ☐ Sender      ☐ Recipient
- The sender, for example petya@gmail.      The recipient, for example, vasya@gmail
- ☐ Copy
- The recipient of a copy of the email message
- ☐ Subject
- The message subject
- ☐ Message
- The message text

At the bottom are 'Cancel' and 'Save' buttons.

- **Enable search.** This option allows you to enable the search for subscribers.

- **Connection point.** ID of the data connection point.
- **Sender.** The sender's e-mail address is entered in this field.
- **Recipient.** The recipient's e-mail address is entered in this field.
- **Copy.** In this field, enter the e-mail of the recipient of the copy of the mail message.
- **Subject.** The subject of the message is entered in this field.
- **Message.** The text of the message is entered in this field.
- **Server name.** In this field, enter the name of the server through which the email was sent.
- **Attachments.** You must select th

## Im

- **Enable search.** This option allows you to enable the search for subscribers.
- **Connection point.** ID of the data connection point.
- **Sender ID.** In this field, the user ID of the sender.
- **Recipient ID.** In this field, the user ID of the recipient.
- **Sender's name.** The sender's public name is entered in this field.
- **Recipient's name.** The recipient's public name is entered in this field.
- **Message.** The text of the message is entered in this field.
- **User name.** The user's password is entered in this field.
- **Protocol.** This field is filled in by selecting the protocol from the drop-down list.
- **IP source.**

## Voip

| Resources and services                           | Voip  |
|--|---|
| <input type="checkbox"/> Aaa subscribers session | <input type="checkbox"/> Enable search                      |
| <input type="checkbox"/> Http                    | <input type="checkbox"/> Connection point                   |
| <input type="checkbox"/> Ftp                     | Connection point  |
| <input type="checkbox"/> E-mail                  | <input type="checkbox"/> Calling number                     |
| <input type="checkbox"/> Im                      | <input type="checkbox"/> Called number                      |
| <input checked="" type="checkbox"/> Voip         | Calling number  |
| <input type="checkbox"/> Pstn                    | <input type="checkbox"/> Calling number after conv.         |
| <input type="checkbox"/> Terminal sessions       | <input type="checkbox"/> Called number after conv.          |
| <input type="checkbox"/> Flows                   | Calling number after conversion                             |
|  | <input type="checkbox"/> Calling number in the E164 network |
|  | <input type="checkbox"/> Called number in the E164 network  |
|  | Calling number in the E164 network                          |
|  | <input type="checkbox"/> Duration of conversation           |
|  | Duration of conversation                                    |
|  | Cancel Save   |

- **Enable search.** This option allows you to enable the search for subscribers.
- **Connection point.** ID of the data connection point.
- **Calling number.** The calling number is entered in this field.
- **The called number.** The called number is entered in this field.
- **The calling number after conversion.** The calling number is entered in this field after conversion.
- **The called number after conversion.** The number to be called after conversion is entered in this field.
- **The calling number in the E164 network.** The calling number in the E164 network is entered in this field.
- **The called number in the E164 network.** In this field, enter the called number in the E164 network.
- **Duration of the conversation.** The duration of the conversation in seconds is entered in this field.
- **Connection method.** The connection method is entered in this field.
- **Initiator's name.** Enter the name of the initiator of the communication in this field.
- **Conference ID.** The conference ID is entered in this field.
- **Incoming beam for GSM Network.** The incoming beam identifier for the GSM network is entered in this field.
- **Incoming beam for W/CDMA, UMTS network.** Enter the MAC address, ATM Network Virtual Path Number (VPI), and ATM Network Virtual Channel number (VCI) in this field.
- **Outgoing beam for GSM Network.** The outgoing beam identifier for the GSM network is entered in this field.
- **Outgoing beam for W/CDMA, UMTS network.** Enter the MAC address, ATM Network Virtual Path Number (VPI), and ATM Network Virtual Channel number (VCI) in this field.
- **Protocol.** This field is filled in by selecting the protocol from the drop-down list.
- **I P-source.** In this field, enter the source IP and the source port.
- **Recipient IP.** The recipient's IP address and the recipient's port are entered in this field.
- **Reason for completion.** The reason for connection termination is entered in this field.
- **Subscriber ID.** The subscriber ID is entered in this field.

## Pstn



| Resources and services                           | Pstn   |
|--|--|
| <input type="checkbox"/> Aaa subscribers session | <input type="checkbox"/> Enable search                                     |
| <input type="checkbox"/> Http                    | <input type="checkbox"/> Caller's phone number                             |
| <input type="checkbox"/> Ftp                     | <input type="checkbox"/> Phone number of called                            |
| <input type="checkbox"/> E-mail                  | Caller <input type="text"/> Phone number of called <input type="text"/>    |
| <input type="checkbox"/> Im                      | <input type="checkbox"/> Caller's internal number                          |
| <input type="checkbox"/> Voip                    | <input type="checkbox"/> Internal number of called                         |
| <input type="checkbox"/> Pstn                    | Caller <input type="text"/> Internal number of called <input type="text"/> |
| <input type="checkbox"/> Terminal sessions       | <input type="checkbox"/> Duration of conversation                          |
| <input type="checkbox"/> Flows                   | Duration of conversation <input type="text"/>                              |
|  | <input type="checkbox"/> Connection method                                 |
|  | Connection method <input type="text"/>                                     |
|  | <input type="checkbox"/> Caller type                                       |
|  | <input type="checkbox"/> Type of called                                    |
|  | Caller type <input type="text"/> Type of called <input type="text"/>       |
|  | <input type="button" value="Cancel"/> <input type="button" value="Save"/>  |

- **Enable search.** This option allows you to enable the search for subscribers.
- **Caller's phone number.** The caller's phone number is entered in this field.
- **The phone number of the called.** The phone number of the called person is entered in this field.
- **Caller's internal number.** The caller's internal number is entered in this field.
- **Internal number of the called.** The internal number of the called person is entered in this field.
- **Duration of the conversation.** The duration of the conversation in seconds is entered in this field.
- **Connection method.** The connection method is entered in this field.
- **Caller type.** This field is filled in by selecting the type from the drop-down list.
- **Type of the called subscriber.** This field is filled in by selecting the type from the drop-down list.
- **Switch code.** The switch code is entered in this field.
- **Border switch code.** The code of the border switch is entered in this field.
- **DVO at connection.** The DVO is entered in this field when connecting.
- **Forwarding number.** The forwarding number is entered in this field.
- **Phone card number.** The phone card number is entered in this field.
- **Incoming beam.** The ID of the incoming beam is entered in this field.
- **Outgoing beam.** The ID of the outgoing bundle is entered in this field.
- **Reason for completion.** The reason for connection termination is entered in this field.

## Terminal sessions



## Add a subquery

To add a subquery to the connection, the user must click on the **"Add subquery"** button.



In the window that opens, set the parameters. The data entry procedure is described above.

## Update

To update the list of requests, click on the **"Update"** button.



## Change

To change the request parameters, click on the **"Edit"** button, which is located to the left of each list request.

|                                     |  |       |                  |            |                  |   |  |
|-------------------------------------|--|-------|------------------|------------|------------------|---|--|
| <input checked="" type="checkbox"/> |  | TEST  | 19.06.2022 18:58 | John Smith | Data is not read | 0 |  |
| <input checked="" type="checkbox"/> |  | TEST1 | 19.06.2022 18:58 | John Smith | Data is not read | 0 |  |

## Delete

To delete a request, click on the **"Delete"** button, which is located to the right of each list request.

|                                     |  |       |                  |            |                  |   |  |
|-------------------------------------|--|-------|------------------|------------|------------------|---|--|
| <input checked="" type="checkbox"/> |  | TEST  | 19.06.2022 18:58 | John Smith | Data is not read | 0 |  |
| <input checked="" type="checkbox"/> |  | TEST1 | 19.06.2022 18:58 | John Smith | Data is not read | 0 |  |