



lawful interception

LIS 2+3

Key Features :

- supports 40G/100G Ethernet interfaces,
- operating on networks with multiple access: GSM (GPRS, 3G), LTE, WiMax, CDMA, fixed networks, etc.,
- passive network connection via a SPAN-port or TAP devices,
- processing all basic L2-L7 networking protocols,
- operating with the third-party API: ASN.1 and p. 83,
- a bounded buffer to record traffic flow at speed of the channel capacity,
- handling datalink protocols with attachments as deep, as the maximum nesting depth is; data decoding, collection and visualization,
- scalability of the storage subsystem.

traffic monitoring on fixed and mobile telecom networks: GPRS and LTE mobile communication lines and broadband service access

Challenges to Meet:

- lawful traffic interception,
- content and metadata storage,
- instant access to data and statistics.

Criteria-Based:

- IP-address of the server, subscriber,
- subscriber's login, IMSI, IMEI, MAC address,
- URL – website address,
- FTP user login,
- e-mail address,
- subscriber's location,
- nickname on messenger, etc.,
- search by uncertain parameters.

Certified Solution, Complies With Requirements of Russian Legislation:

- Resolution of the Government of the Russian Federation of August 27, 2005 No. 538, Moscow
- Orders of the Ministry of Communications No. 83, No. 268, No. 174, No. 169, No. 645

Enforces the Anti-terrorism Package of Laws Initiated by I. Yarovaya and V. Ozerov:

- Federal Act of July 6, 2016 No. 374-FZ
- Federal Act of July 6, 2016 No. 375-FZ

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Traffic monitoring systems, providing accumulation of statistical data, processing and mass data storage on subscribers.

The screenshot shows the LIS 2 web interface. At the top left, it says "LI2" and "Administrator" with options for "Change password" and "Logout". Below this is a navigation bar with icons for "LI 2" (Putting on the control of abonents of the operator), "Directory of abonents" (Detailed information about abonents. The directory is provided by the telecommunications operator. Records in the database: 2003, Refresh: 25.07.2018), and "Basic stations" (Coordinates of basic stations allow to determine the location of subscribers. The directory is provided by the telecommunications operator. Records in the database: 2032, Refresh: 25.07.2018). The main content area is titled "Directories" and includes "Directory of operators" (Identification the operator by the known first digits of the telephone number (MSISDN). Number of operators: 1000, Refresh: 18.02.2014), "Phone models" (Identification the model of the mobile phone by the first digits of the IMEI. Number of records: 92796, Refresh: 19.08.2014), "Information about the work of system" (Monitoring: State of the equipment of the complex, load on the processors, memory, free space on hard drives, etc.; User Activity Log: Information about the actions of users in the system; the creation of requests, tasks, authorization, management of accounts.), and "Administration" (Users: Managing user accounts.; Devices: Controlling the putlers connection, database servers, prefilters.).

The screenshot shows the LIS 3 web interface. On the left is a sidebar menu with options: "IPDR requests" (selected), "Abonent", "Basic stations", "Operators directory", "Mobile phone model", "Monitoring", "User action", "Users", "Devices", "Manual", and "Log out". The main content area is titled "IPDR requests" with a yellow plus icon. It contains a form for configuring requests. The form fields include: "Request name" (text input), "Interval" (from [input] to [input]), "Search criteria" (Login dropdown), "IP-address" (10.12.1.23:80), "Website URL" (example.org/some/*), "Login FTP" (text input), "Email" (petya@google.com and vasya@mail.ru), "IM number or nickname" (text input), "VoIP number or nickname" (text input), and "Nickname In social network" (text input). Below the form are sections for "Traffic type", "Basic station ID", and "Request description". At the bottom of the form, it says "Select no more than: 100 entries" and has "Cancel" and "Run" buttons. Below the form is a search bar and a table with columns "Request name" and "Found entries". The table currently shows one entry: "All VoLP". At the bottom left, it says "LocalBuild 25 Jul 2018 14:24" and "Total: 1".