– **Collection and storage of metrics and logs**
– **Data visualization in the form of dashboards, graphs, charts, and tables included in the product**
– **Sending alerts when a metric trigger is activated**
– **Autodiscovery of metric sources**
– **Autoprovision of dashboards and alerts**
– **Ready-made dashboards and alerts for each supported Eltex software product, system dashboards and alerts for Linux, Docker, Postgres, MySQL (MariaDB)**
– **Monitoring the availability and functionality of network services (HTTP/HTTPS, TCP, DNS, and ICMP)**
– **Monitoring OS security events (authentication, privilege escalation, and user management)**

Peeper is a monitoring system for Eltex software products, designed to quickly assess the internal state of the system based on its external indicators.

Peeper performs the function of early prevention of emergencies on servers and in client applications. In case of an emergency, Peeper has the necessary information collected in one place to resolve the incident.

Peeper Architecture

Peeper architecture consists of two parts:

– **Client:** installed on the same server as the product, for example, ECCM, Softswitch, or SoftWLC. The tasks include collecting metrics and sending them to the server.

– **Server:** the tasks include aggregating and storing metrics, visualizing them in graphs, and sending alerts about failures via Telegram.

Peeper Client

When installed, Peeper Client detects the Eltex software product, downloads ready-made dashboards and alerts for this product to Peeper Server, and starts collecting and sending metrics. Thus, the system is automatically prepared to monitor the product installed at the client's site.

No additional ports need to be opened on the server with the Eltex software product for Peeper to work. Metrics are sent from the client to the server. Interaction with Peeper Server is carried out entirely via HTTPs using data encryption.
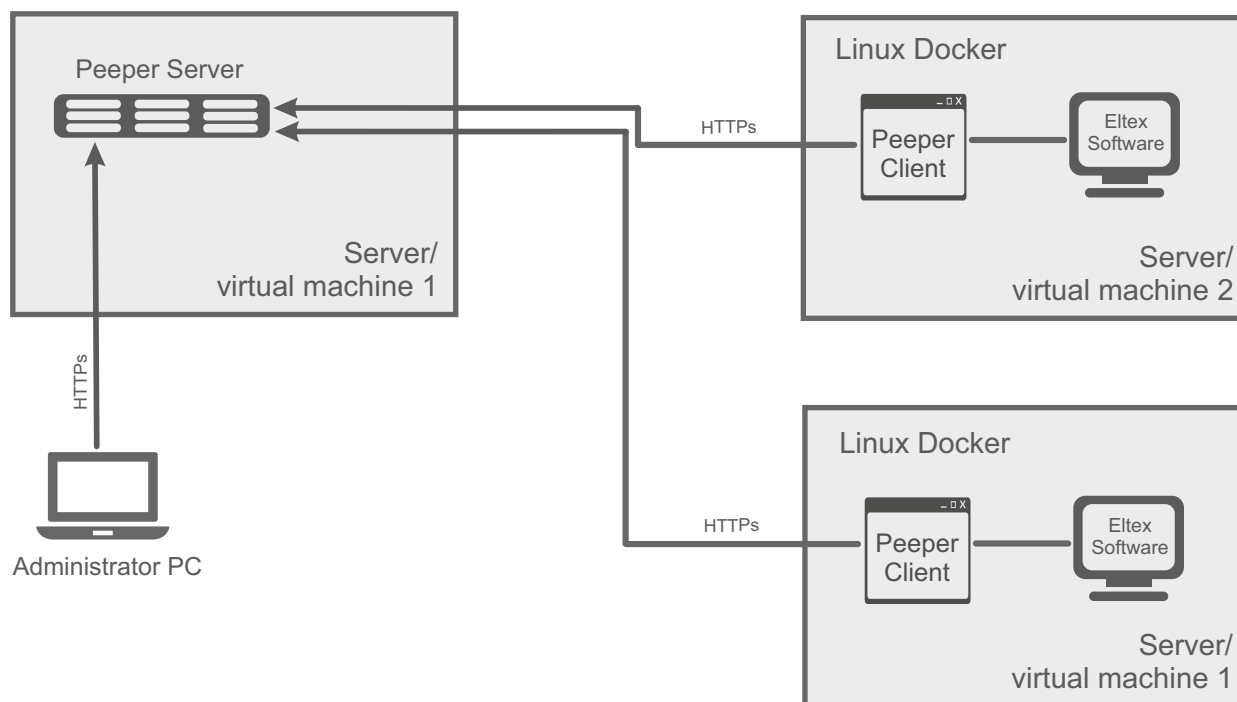
Minimum system requirements

– OS: Linux with Docker (Ubuntu Server 22.04 or higher is recommended)
– CPU: 2 cores
– RAM: 4 GB
– Hard drive: 100 GB (x2 when using peeper-backup)
– Pre-installed OS: Docker, Docker Compose

Supported products

– ECSS-10
– SoftWLC
– ECCM

Use case

Peeper Server

Server/
virtual machine 1

HTTPs

HTTPs

Administrator PC

Linux Docker

Peeper
Client

Eltex
Software

Server/
virtual machine 2

Linux Docker

HTTPs

Peeper
Client

Eltex
Software

Server/
virtual machine 1

About Eltex

Eltex Enterprise is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company.