



**PERIMETER**



**GARDA**  
TECHNOLOGIES

# PERIMETER

- | DETECTION AND MITIGATION OF DDOS ATTACKS
- | TRAFFIC MONITORING IN LARGE DISTRIBUTED NETWORKS

# DDOS PROTECTION



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A CARRIER-GRADE SOLUTION FOR PREVENTION, DETECTION AND MITIGATION OF ALL TYPES OF DDOS ATTACKS ON ISP NETWORKS AND DATA CENTERS



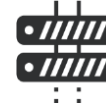
**DETECTION AND  
MITIGATION OF  
ATTACKS AND  
TRAFFIC ANOMALIES**

Detects a wide range of network events, identifies and mitigates malicious traffic at high rates.



**NETWORK  
STRUCTURE  
OPTIMIZATION,  
PLANNING AND  
MANAGEMENT**

Detailed traffic route information allows the ISP to optimize the internal network structure and interworking with other operators.



**RAW  
TRAFFIC  
ANALYSIS**

The System filters out only the malicious traffic and does not interfere with requests from trustworthy sources.

# ATTACK MITIGATION

## TRAFFIC ANALYSIS AT UP TO 10 TBPS



Round-the-clock monitoring of malicious activities, alerting to detected anomalies

## TRAFFIC CLEANING AT UP TO 640 GBPS



Automatic and manual attack mitigation options

## DEEP CLEANING

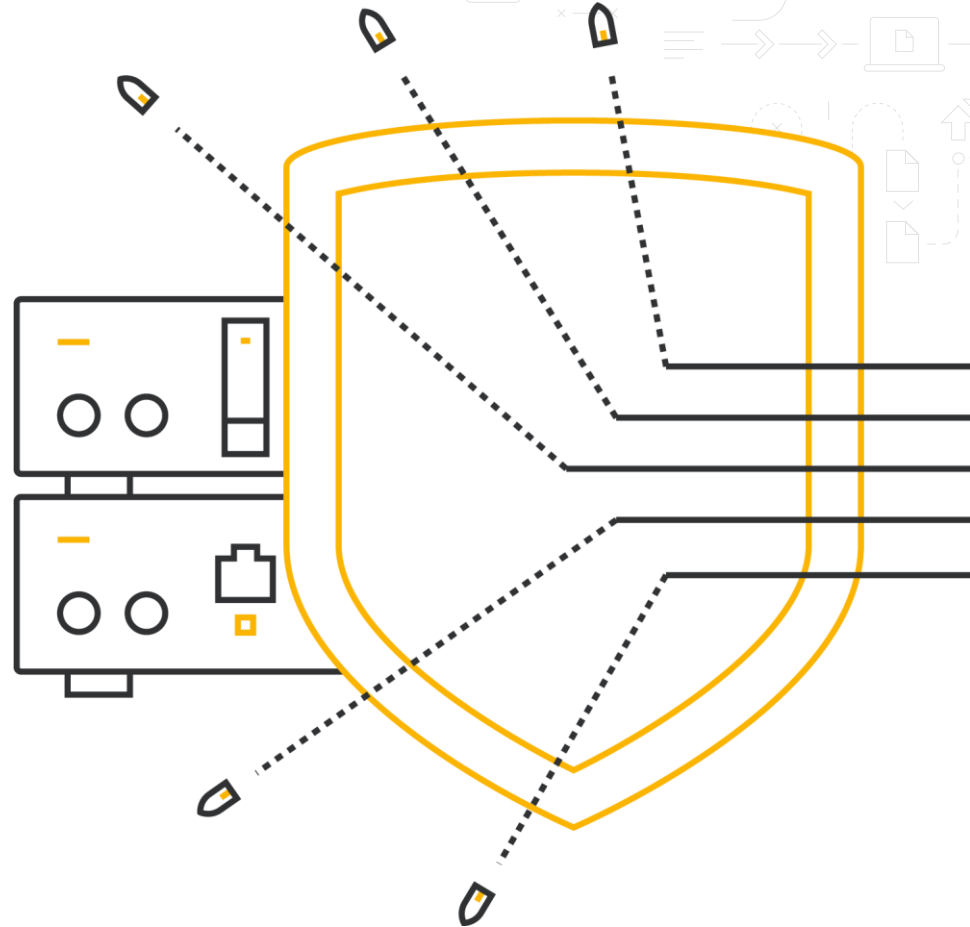


Users of the operator whose network is guarded by Perimeter can ensure additional protection of their applications by means of the Scout module.



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# REPORTING CAPABILITIES



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## DETAILED TRAFFIC DATA

Monitoring of traffic volumes by geographical areas: countries, regions, cities.



## INFORMATION ON NETWORK NODES

Monitoring of operational parameters of network equipment.



## INTER-OPERATOR TRAFFIC EXCHANGE

A set of reports on traffic passed between operators and transit carriers: volume, destinations, routes.



## NETWORK TOPOLOGY

- Interconnected autonomous systems
- Routing equipment
- Connectivity status of monitored networks

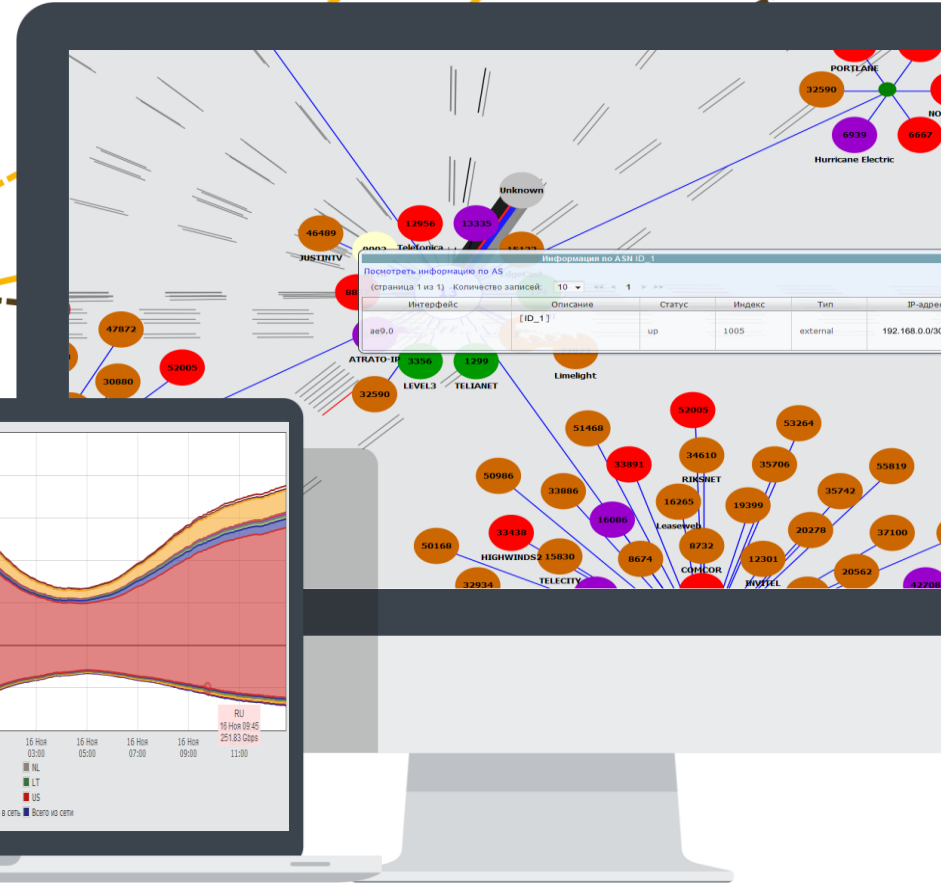
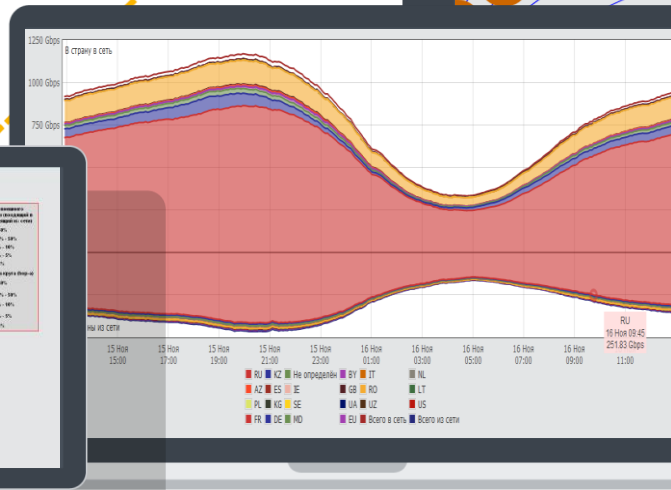
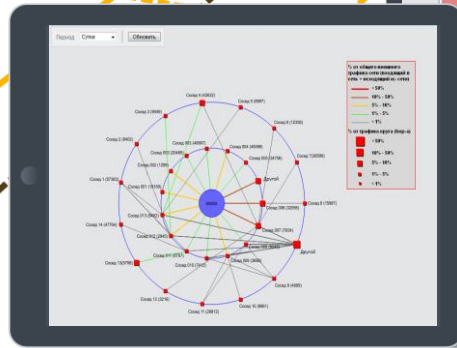
# EXAMPLES OF REPORTS



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STATISTICAL, TABLE AND GRAPHICAL REPORTS SHOW INTEROPERATION PARAMETERS OF NETWORK ELEMENTS, TRAFFIC AND NETWORK ACTIVITY



# ANALYTICS

A RICH SET OF ANALYTICAL REPORTS ENABLES QUALITY MONITORING OF NETWORKS OF OPERATORS OF ALL SIZES



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The image displays three overlapping screenshots of the analytics dashboard, illustrating the rich set of analytical reports available. Each screenshot shows a navigation menu on the left and a main content area with multiple report panels.

**Top Screenshot:**

- Соседи:** Суммарный отчёт, Сравнение соседей, Сосед, Утилиты (Диаграмма AS, Оценка договорённости соседей), Приложения (Все, ICMP, TCP, UDP, IPv6, TCP, UDP), BGP-атрибуты (AS-расстояния, ASN, Все, Origin, AS маршруты, Сообщества).
- Geography IP:** Страны, Регионы, Города.

**Middle Screenshot:**

- Client:** Суммарный отчёт, Сравнение клиентов, Клиент, DoS-аномалии (Все аномалии), Приложения (Все, ICMP, TCP).
- Geography IP:** Страны, Регионы, Города.

**Bottom Screenshot:**

- Client:** Суммарный отчёт, Сравнение профилей, Профиль, Приложения (Все, ICMP, TCP, UDP, IPv6, TCP, UDP), BGP-атрибуты (AS-расстояния, ASN, Все, Origin, Соседи, NULL, NextHops, Сообщества, IP-префиксы).
- Geography IP:** Страны, Регионы, Города.

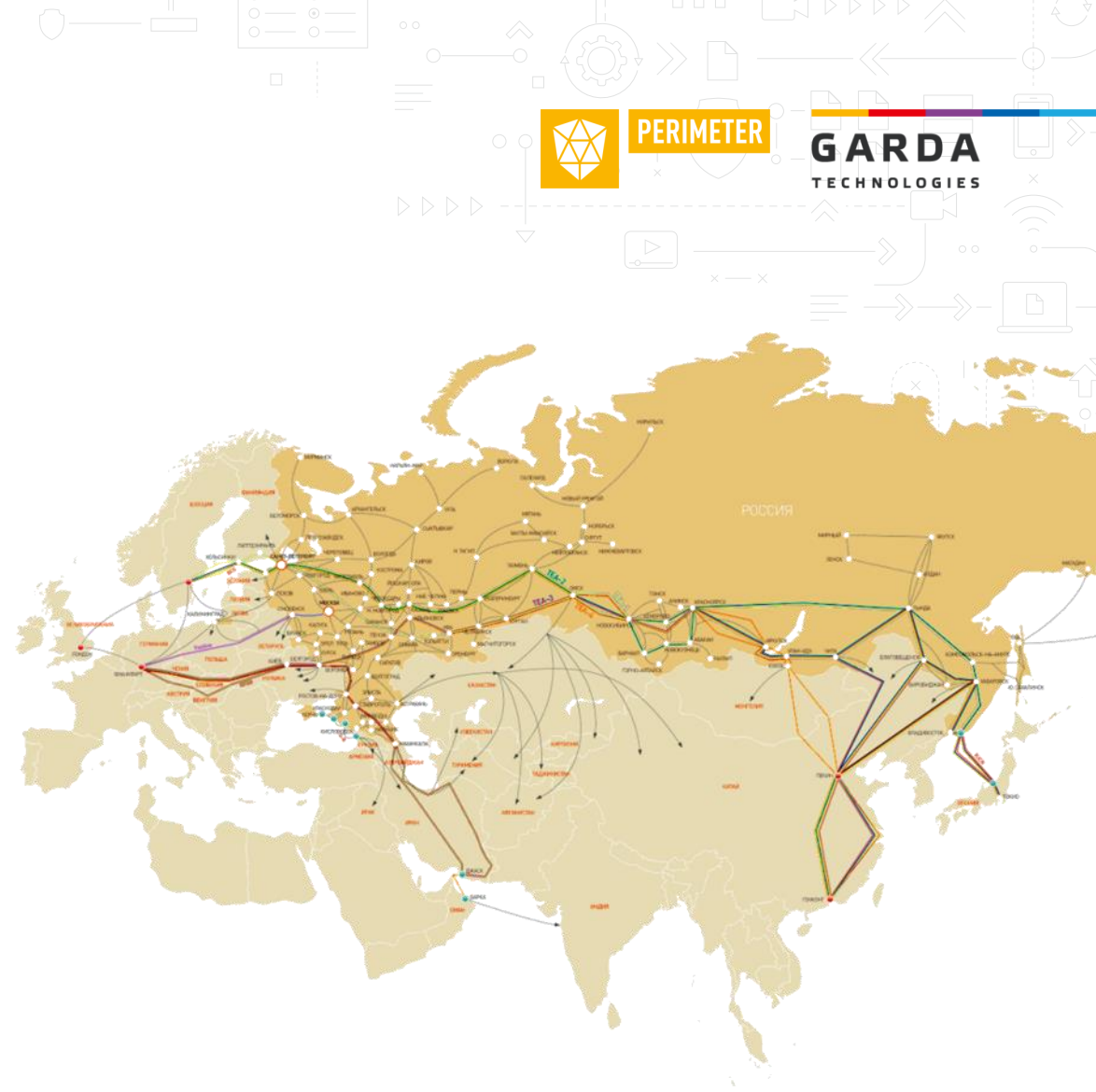
The dashboard also includes reports on traffic consumption, packet sizes, and network boundaries, as shown in the bottom-right screenshot.

# DATA ROUTES

THE OPERATOR CONFIGURES EXPORT OF TRAFFIC DATA ON ITS NETWORK (NETFLOW, BGP, SNMP). PERIMETER PROVIDES GRAPHICAL REPORTS ON TRAFFIC VOLUMES, DESTINATIONS AND ROUTES.



- No need in traffic mirroring
- No changes in the operator's infrastructure
- No impact on network operation



# SCALING

## STANDARD EQUIPMENT



Easy deployment and maintenance: the system is supplied on standard servers

## TRANSPARENT ANALYTICS

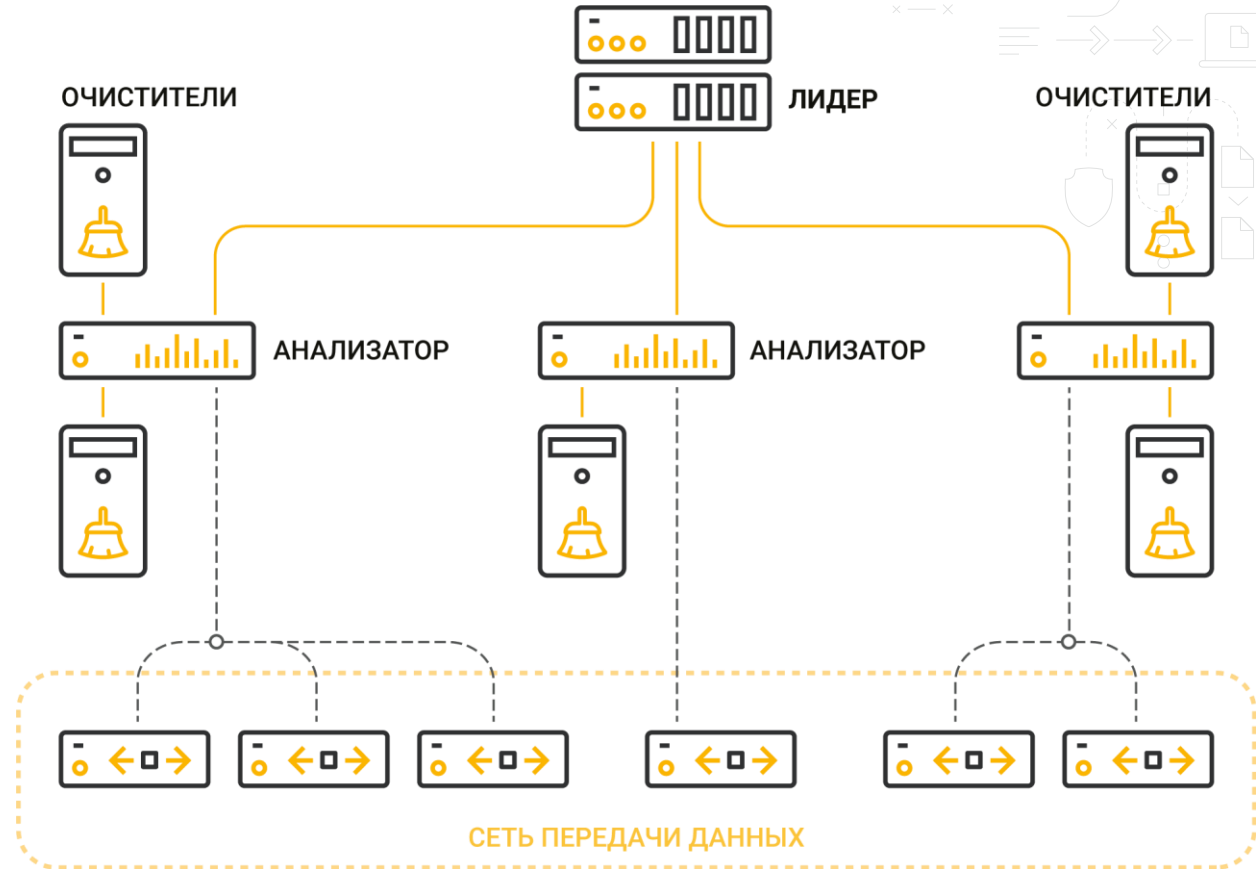


Aggregated reports on traffic and detailed reports for each network node

## FLEXIBLE MANAGEMENT



You can use several distributed Cleaners for mitigation of the same attack





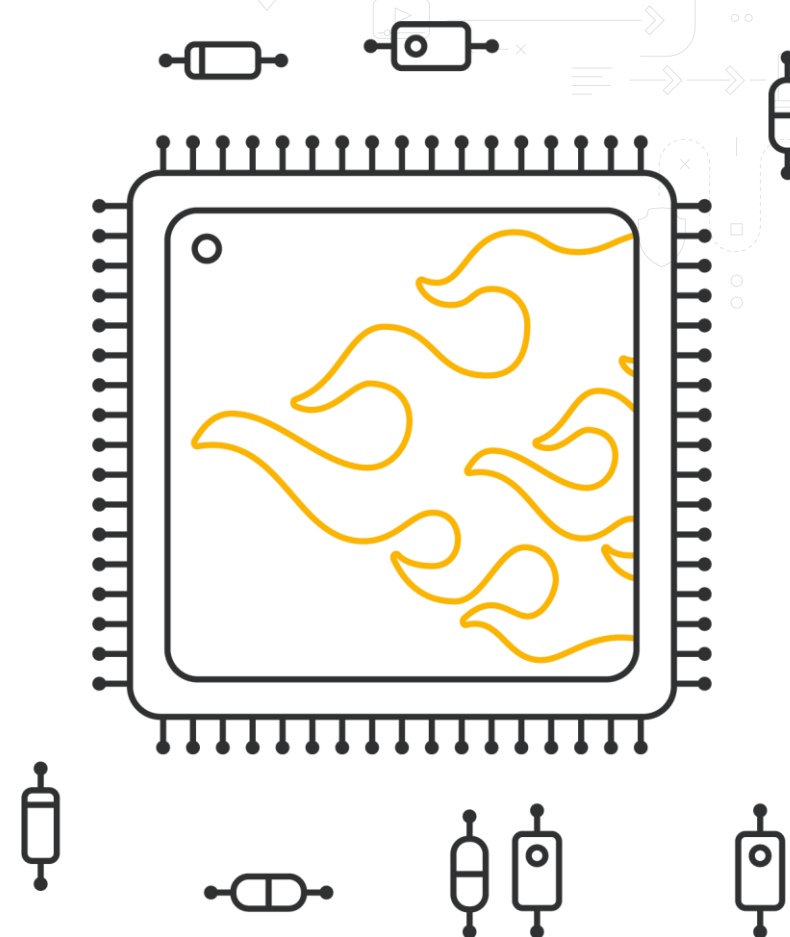
# SPECIFICATIONS

Traffic analysis	10 Tbps
Traffic cleaning	640 Gbps
Routers	300
Support of IP	V4, V6
Support of SNMP	v2c, v3
Support of Netflow protocols	IPFIX, JFLOW, NETSTREAM (HUAWEI)



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# ABOUT THE COMPANY



**Garda Technology** is a cybersecurity company with experience in developing high-load solutions since 2005. We protect critical systems from cyberattacks and insiders. Our technologies are represented in the major financial companies, industrial and energy corporations, telecom and service providers. All our solutions based on own proprietary technological platform, no third-party licenses required..

**Garda Technology** is a part of ICS Holding

## ICS HOLDING



**23 companies**



**\$1.5 billion**

700% revenue growth between 2017 and 2018



**1.000 B2B clients**

across over 20 countries worldwide



**6.000**

highly qualified specialists



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# CONTACT US FOR A DEMONSTRATION



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