



DDoS Network Protection

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Business Market

The reliable partner for
your business future



2.8 MILLION

ATTACKS IN THE FIRST
HALF OF 2018

UDP floods were used in
56% of attacks

DDoS attacks have
never been more,
innovative, dynamic
or consequential.

Today any organization, for any real
or perceived offense or affiliation, can
become a target of a DDoS attack.

Improved tools has lowered the
barrier of entry, Its easier for a
broader spectrum of attackers to
launch a DDoS attack.

INCREASE IN NUMBER
OF ATTACKS BY **35%**

AVERAGE ATTACK SIZE
ROSE **111%**

Increased innovation in DDoS
attack tools and techniques.

2018

Size of Attacks

52%

< 1Gbps

36%

> 1Gbps

12%

> 3Gbps

Largest Attack Peak Size

Volume

65Gbps

Speed

7,5 Mpps

Average of Attack Peak Sizes

1,85Gbps

Most Common Attack Type Mitigated in Q2 2018

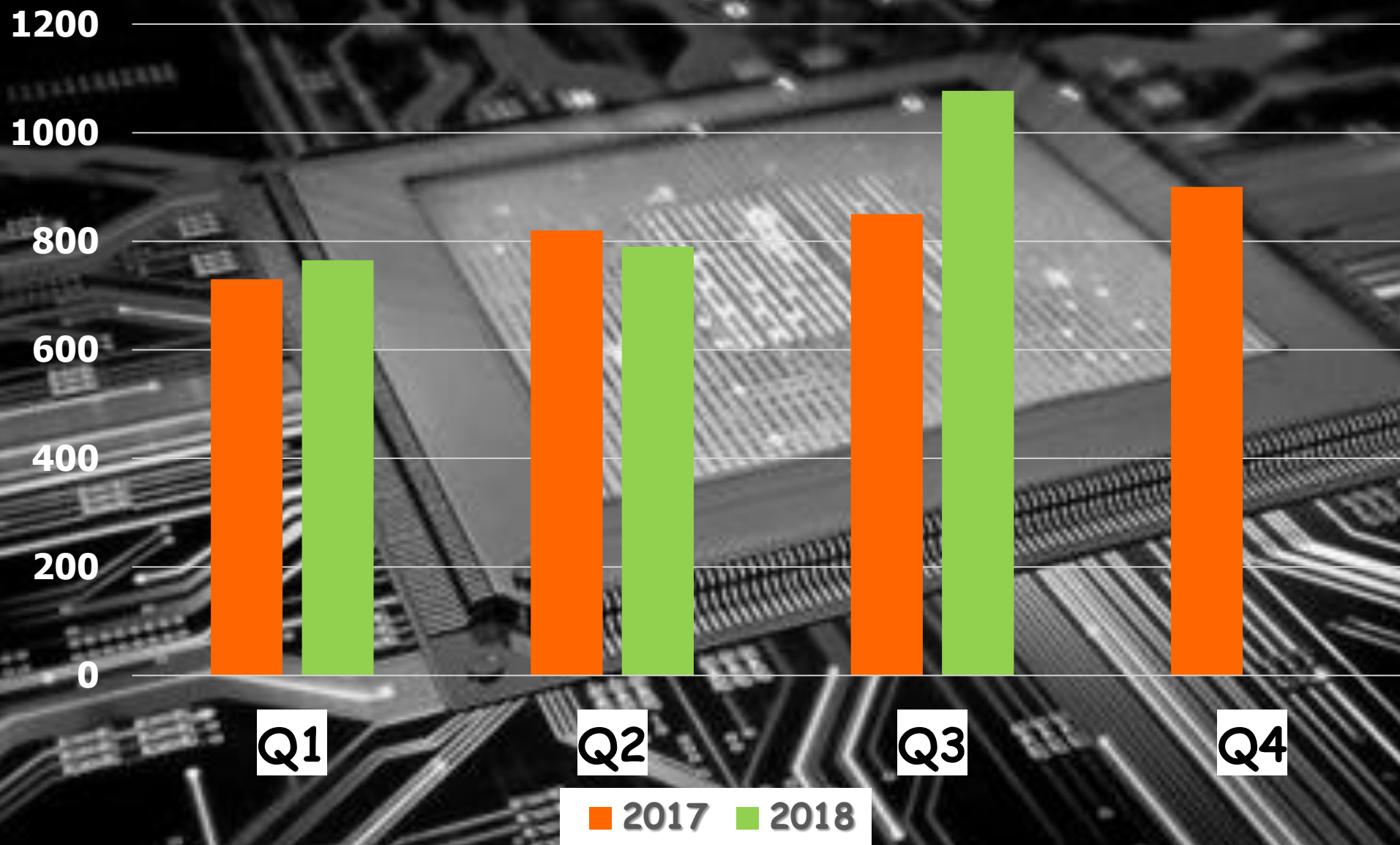
56%

of attacks were User Datagram Protocol (UDP) floods

20%

of attacks employed three or more attack types

~255 / month



What is happening during a DDoS attack ?

Lets hear an actual customer (company)
experience?



Business Continuity Management (BCM) is defined as a holistic management process that identifies potential threats to an organization and the impacts to business operations those threats, if realized, might cause, and which provides a framework for building organizational resilience with the capability of an effective response that safeguards the interests of its key stakeholders, reputation, brand and value-creating activities. (Source: ISO 22301:2012)



LOADING

MacBook Pro



Is this website broken
or just really slow?

The Potential impact of a DDoS attack is high

Loss of revenue

Worsening of competitive position

Negative Brand Impact

Impact on share price

Loss of customer reliability

Cyta DDoS Mitigation

2012 protection system against DDoS Attacks is installed at Cytas' Data Centers



2016 An additional system was installed to protect the Cytas' network and resource assets.

The two systems compliment each other to providing a complete defense against DDoS attacks.

2017 Launch of the Network DDoS protection service so that our customers can also protect their networks and services from DDoS attacks.

A sophisticated, carrier class solution built within Cyta's Internet backbone network

Cyta' DDoS Network Protection service

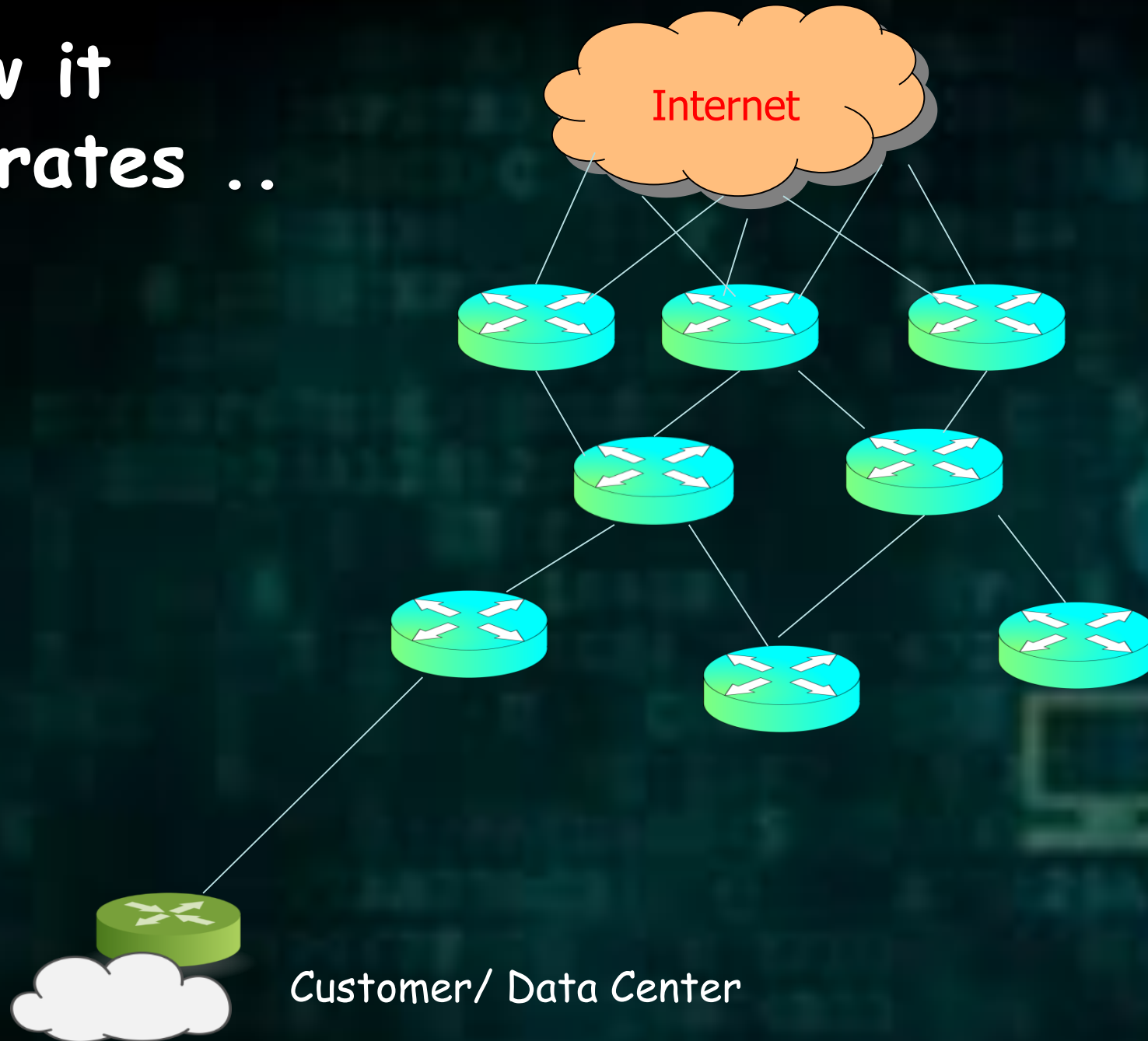
Offers companies the ability to protect their business from malicious volumetric (DDoS) online attacks that can cause data and revenue loss, erosion of brand credibility and customer confidence.



Cytas' DDoS Network Protection Service is leading-edge technology that provides powerful attack detection and traffic cleaning

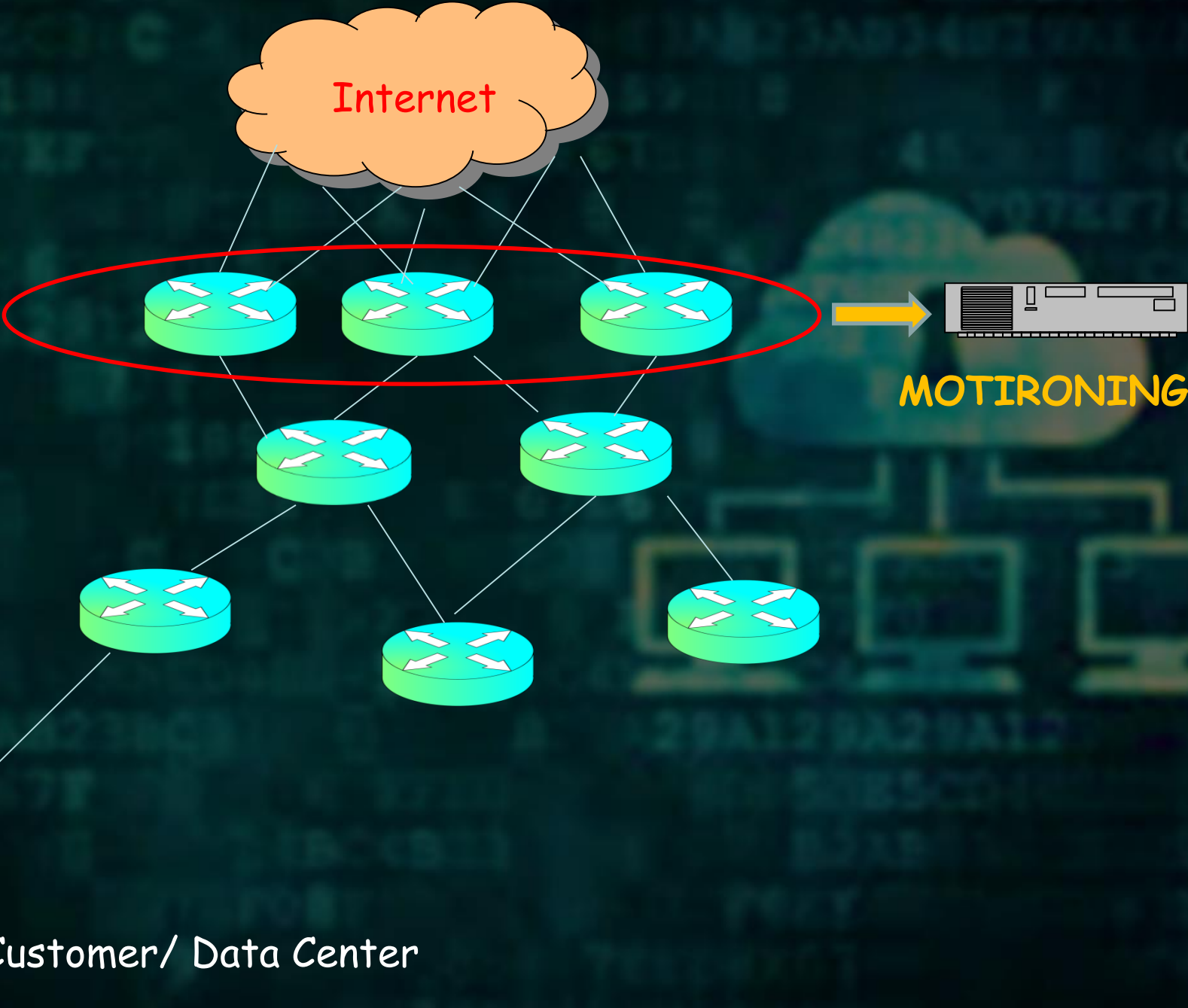
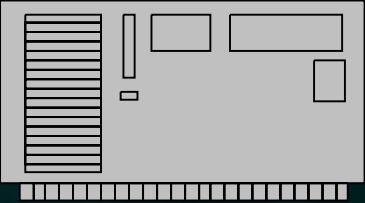
- ✓ The detection system analyzes the incoming traffic and automatically generates an alert when an attack is detected
- ✓ The infected incoming traffic is rerouted to the Cyta Clearing Center before it reaches its destination (client connection)
- ✓ "Cleaned" traffic is returned to the customer's connection.

How it
operates ..



DDoS Network Protection

Cleaning Platform

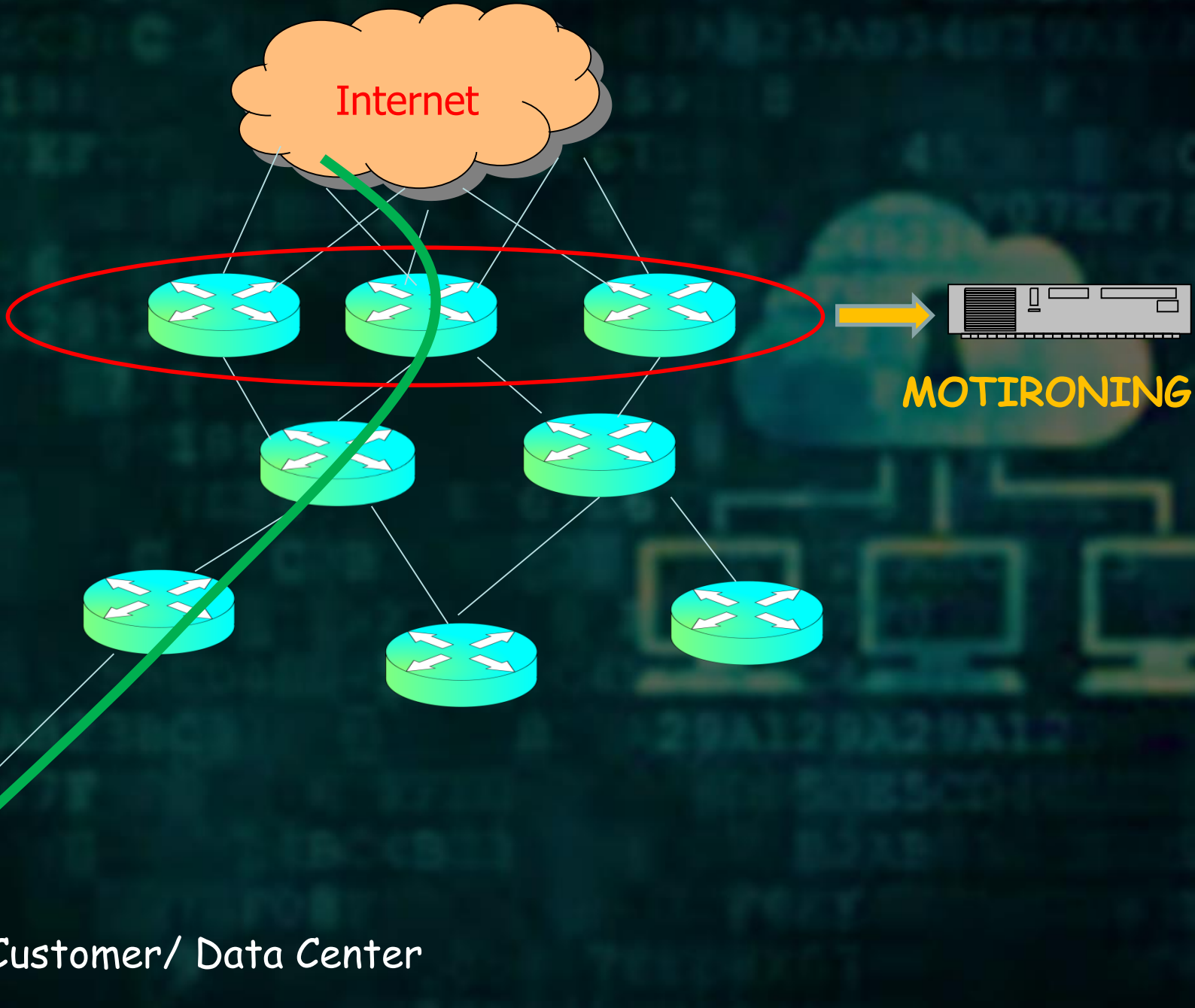
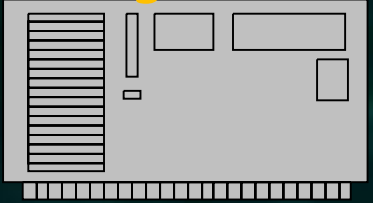


Customer/ Data Center

MOTIRONING

DDoS Network Protection

Cleaning Platform

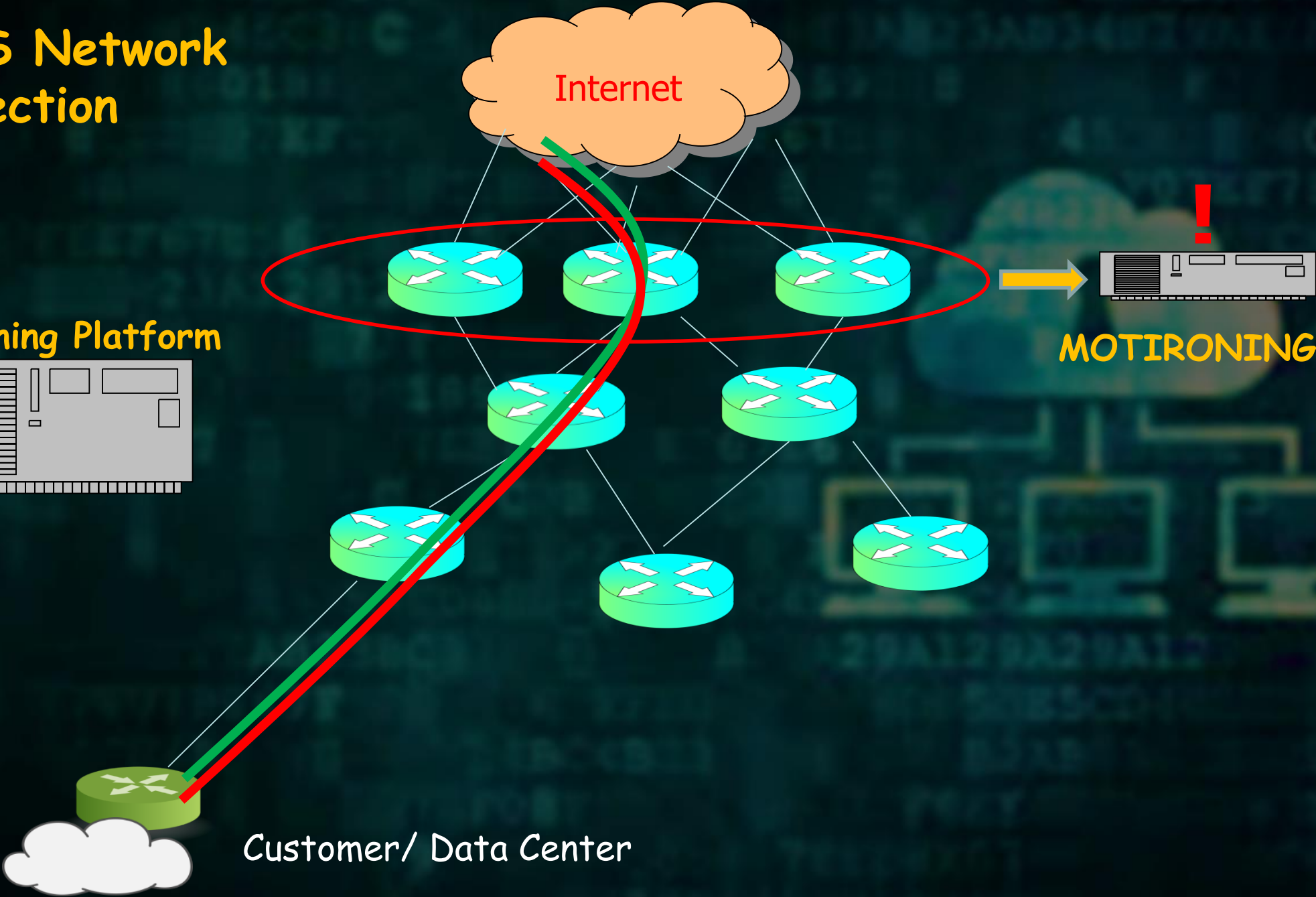
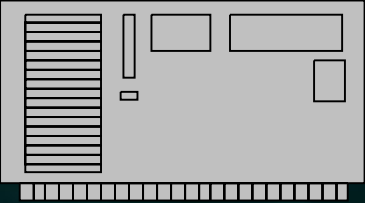


MOTIRONING

Customer/ Data Center

DDoS Network Protection

Cleaning Platform

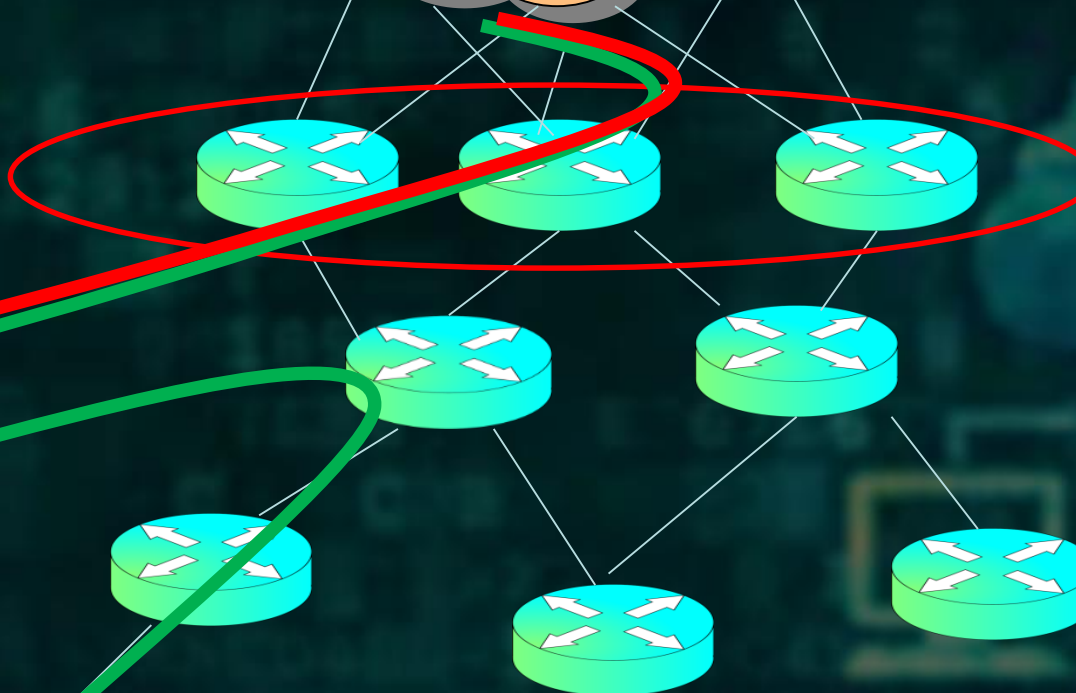
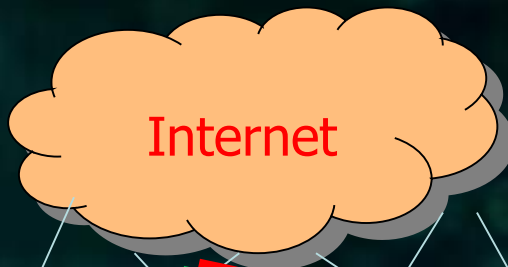
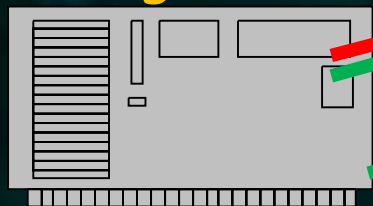


Customer/ Data Center

MOTIRONING

DDoS Network Protection

Cleaning Platform



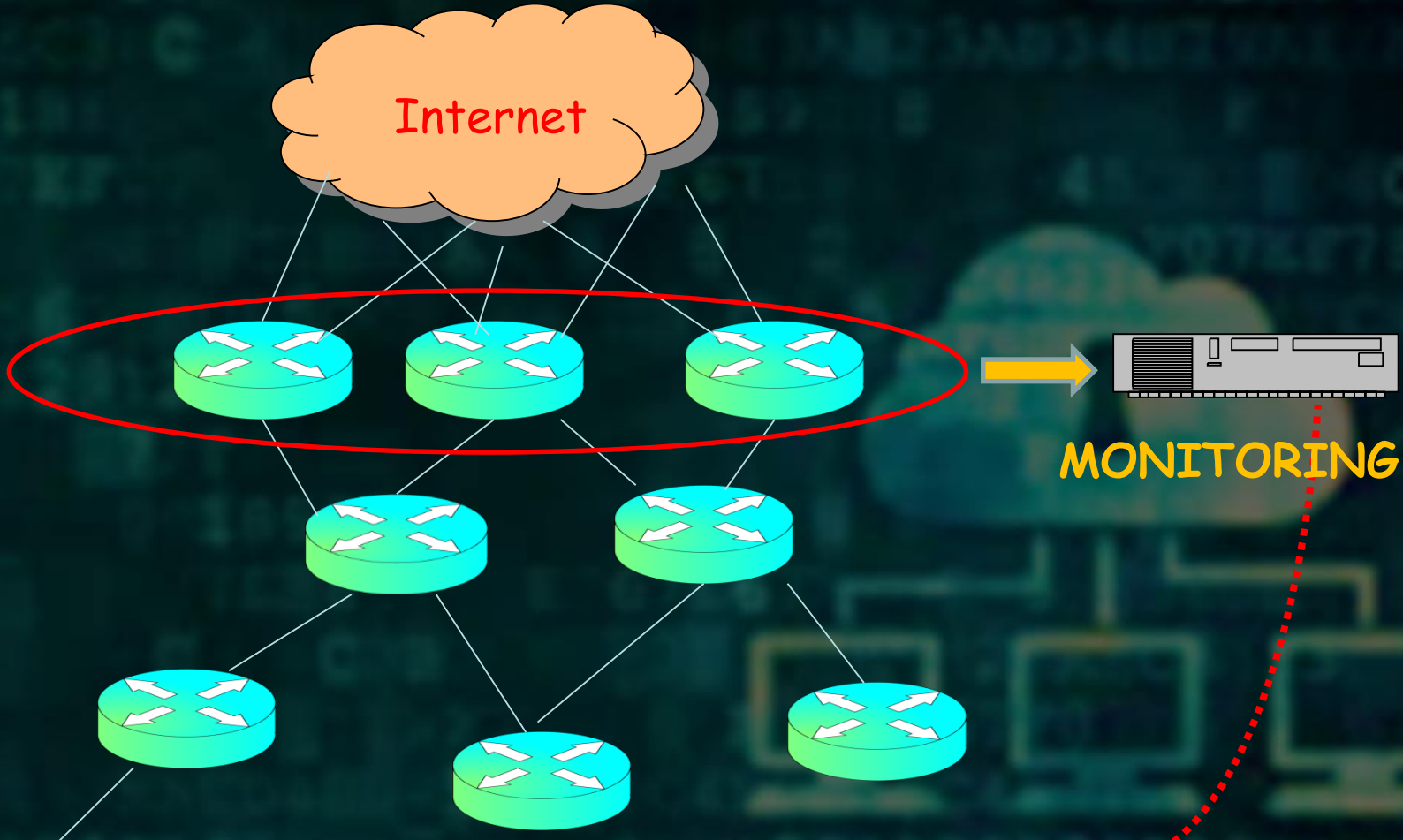
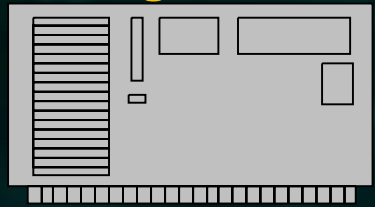
MOTIRONING

Customer/ Data Center



DDoS Network Protection

Cleaning Platform



MONITORING

Customer
Monitoring Equipment
Data Center



DDoS Data Center
Protection

Provides different service options to match a company's needs

Provided per internet connection it detects at layer 3 and 4 of TCP-IP and mitigates up to layer 7

The **BASIC** product is built for businesses that require a predefined standardized profile and fixed metrics. The configuration of the managed profile is preset.

The **STANDARD** product targets customers that require configuration and customization of the security profiles with agreed metrics built around business usage need and managed by Cyta

The **PREMIUM** product provides customized configuration of a company's security profile and up to three (3) managed profiles. It has been created for customers who will repeatedly receive multiple high volume attacks and has no limit on the number of attacks or cleaned return volume. Additionally it offers on-line access to the DDoS service portal.

Cyta DDoS Network Protection



Duration: Jun 13 00:49 - 01:52 (1:04)

TMS:

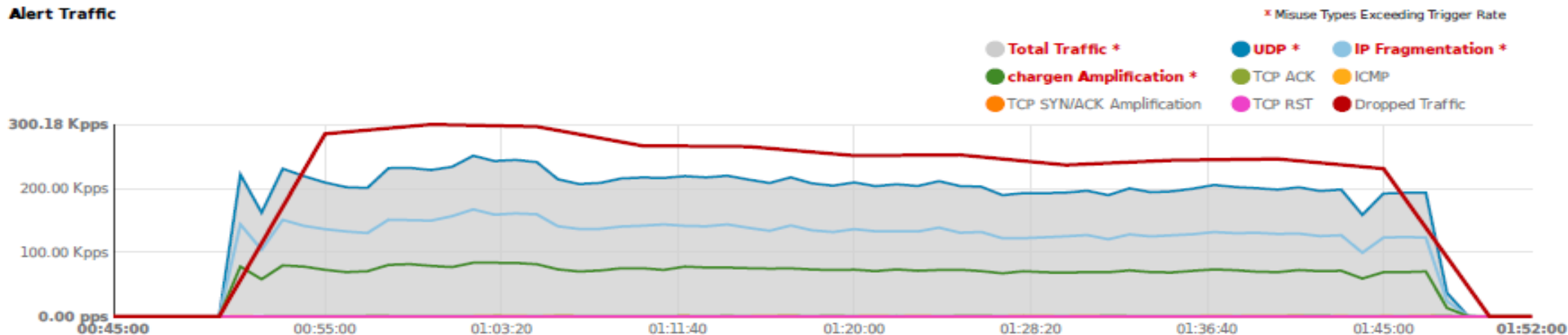
Name	Dropped	Passed
Alert 33945 Auto-Mitigation	N/A	N/A

Period: Alert Timeframe Units: bps View: Network Boundary

Summary

Severity Level: High	Max Severity Percent: 1,800.0% of 50 Mbps Top Misuse Type: chargen Amplification	Max Impact of Alert Traffic: 2.4 Gbps/252.8 Kpps at Managed Object Boundary	Direction: Incoming	Misuse Types: IP Fragmentation, Total Traffic, UDP, chargen Amplification	Managed Object:	Target: 213.7.196.18
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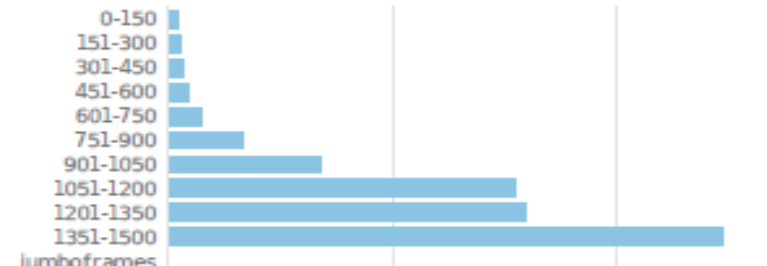
Alert Traffic



Alert Characterization

Misuse Types	Total Traffic (7)	100.00%
Misuse Types	UDP (9)	99.66%
Misuse Types	IP Fragmentation (1)	64.67%
Source IP Addresses	Highly Distributed	99.99%
Destination IP Addresses	213.7.196.18/32	100.00%
Protocols	udp (17)	99.66%
Source UDP Ports	0	64.67%

Packet Size Distribution



Why Cyta?

The only provider that provides the service locally in Cyprus.

Traffic analysis and cleaning is done within the Cyta network and NOT abroad. Therefore, all the corporate or customer data remains at all times locally.

One point of contact for all your service

Almost zero latency

A high class investment

Local Support 24x7

Competitive Price

Reliability



The reliable
partner for
your business
future

.....
With Cyta as your
partner, you can
reach all your goals.

Find out more >>

