



The Security Division of NETSCOUT

- Arbor introduction and ATLAS Initiative
- The DDOS cyber threat and impacts
- Albania traffic trend from last year (2015)
- How to address DDOS challenges

Arbor - Securing the world's largest networks

90+%

Percentage of world's Tier 1 service providers who are Arbor customers

#1



15

Number of years Arbor has been delivering innovative security and network visibility technologies & products

8 of 10

8 of the 10 largest Cloud service providers

Arbor market position in Carrier, Enterprise and Mobile DDoS equipment market segments.



January 14 2015

Showing All Countries

Show Attacks ?

Large attacks on United States, China, Denmark, + 14 others

Color Attacks By

- TCP Connection
- Volumetric
- Fragmentation
- Application

Size (Bandwidth, in Gbps)

25
 5
 1

Shape (source + destination)

between two countries

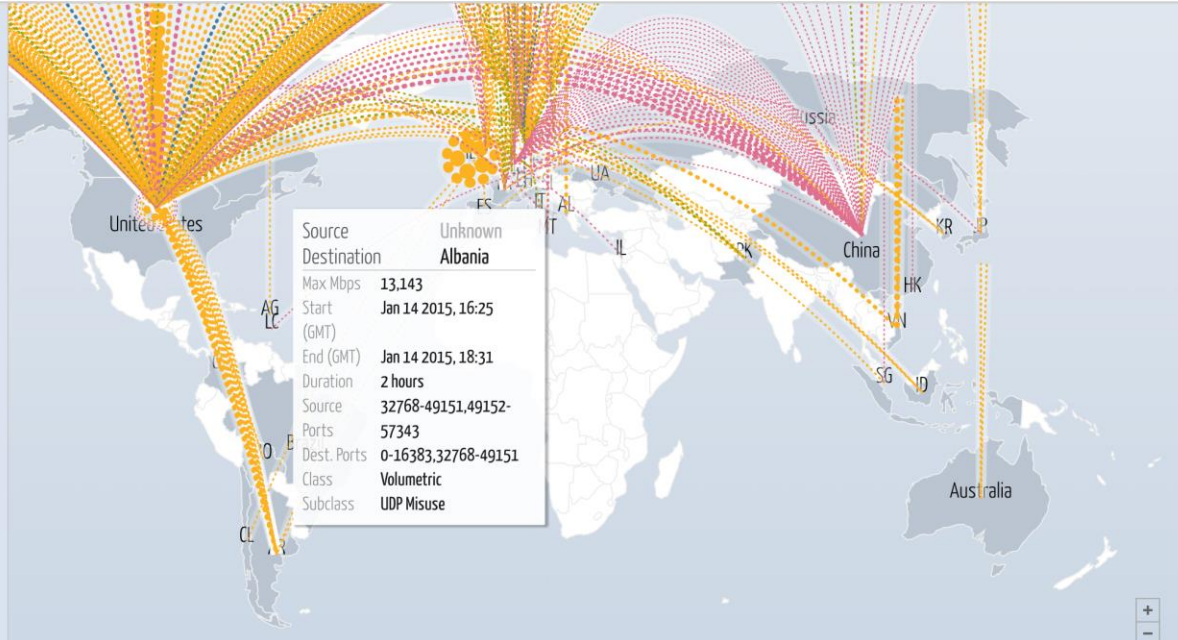
internal

either source or dest. unknown

<Get Embed Code>

Map

Table

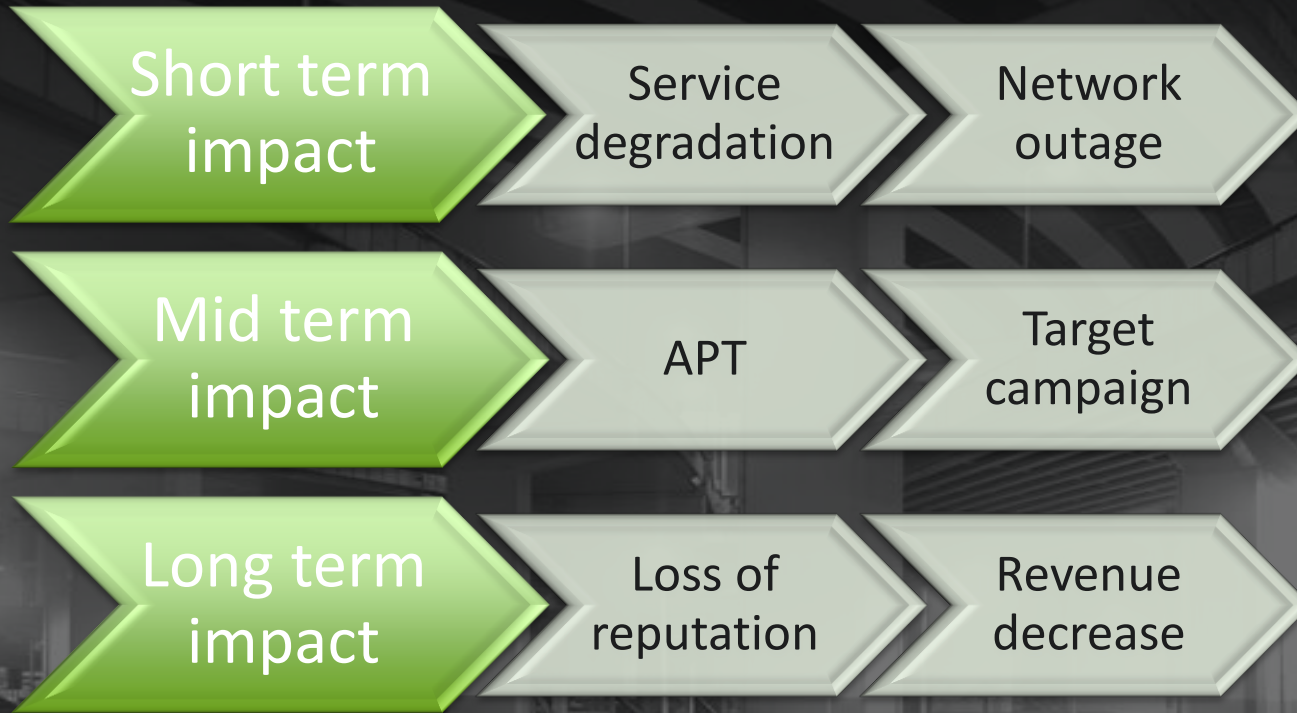


Attack Bandwidth (All Countries), Gbps Dates are shown in GMT



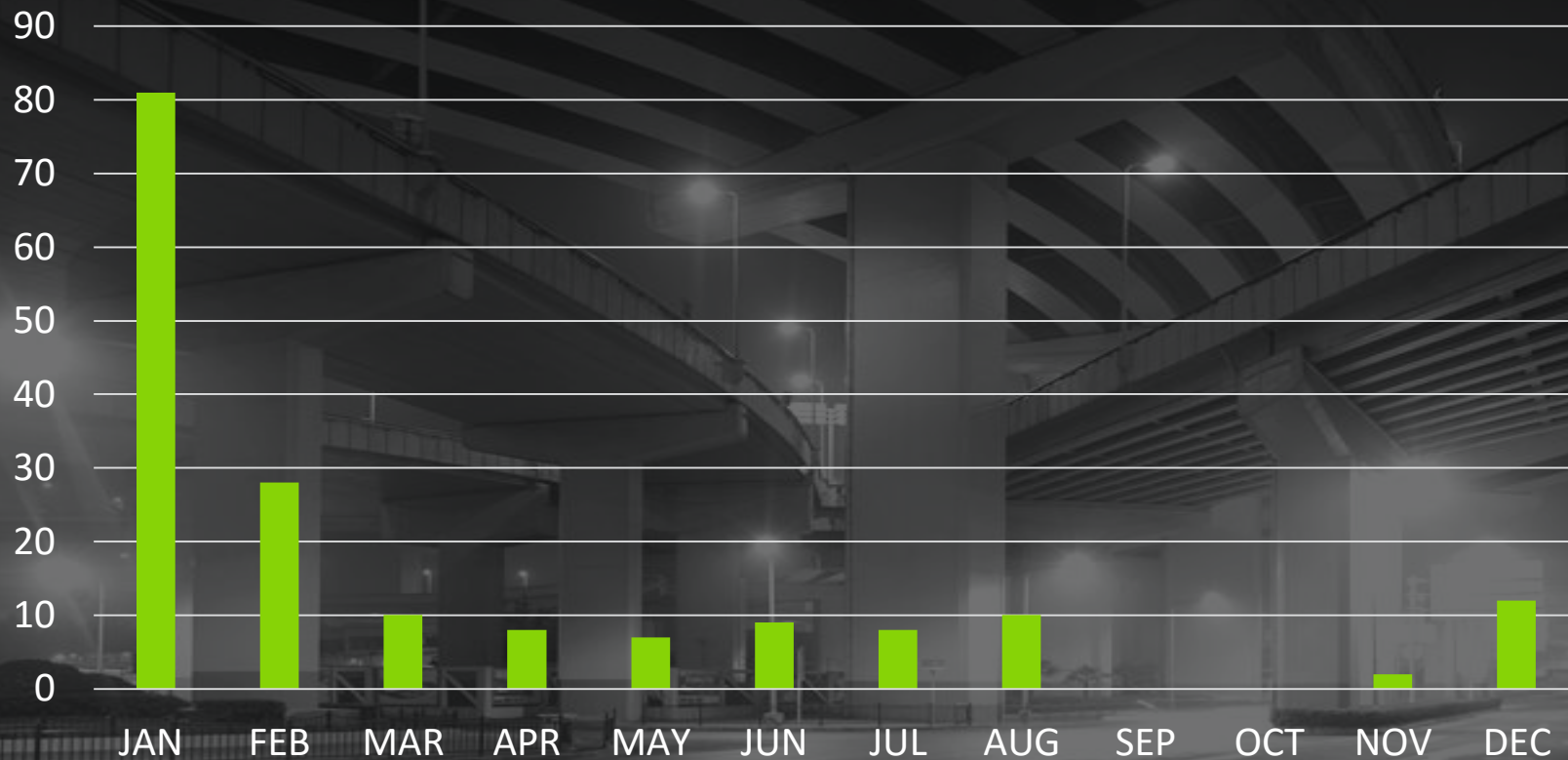
Data shown represents the top ~2% of reported attacks

- A Distributed Denial of Service (DDoS) attack is an attempt to make an online service or network unavailable by overwhelming it with traffic from multiple sources, about 30% of networks and datacenters fault is from DDOS
- When everything is working but you can understand why something is not working, then you may be under attack.
- DDOS Attacks can stop service and hide large attacks campaign



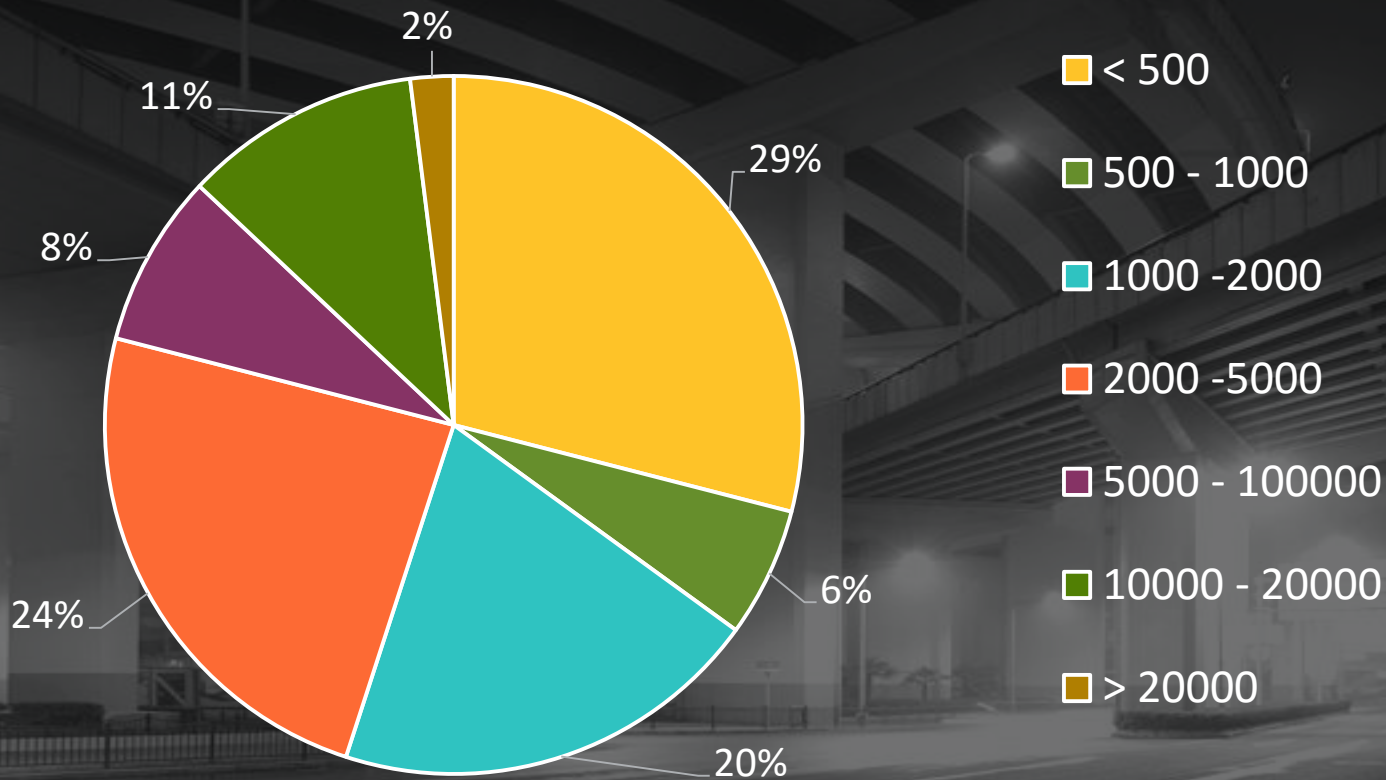


Events over Time 2015



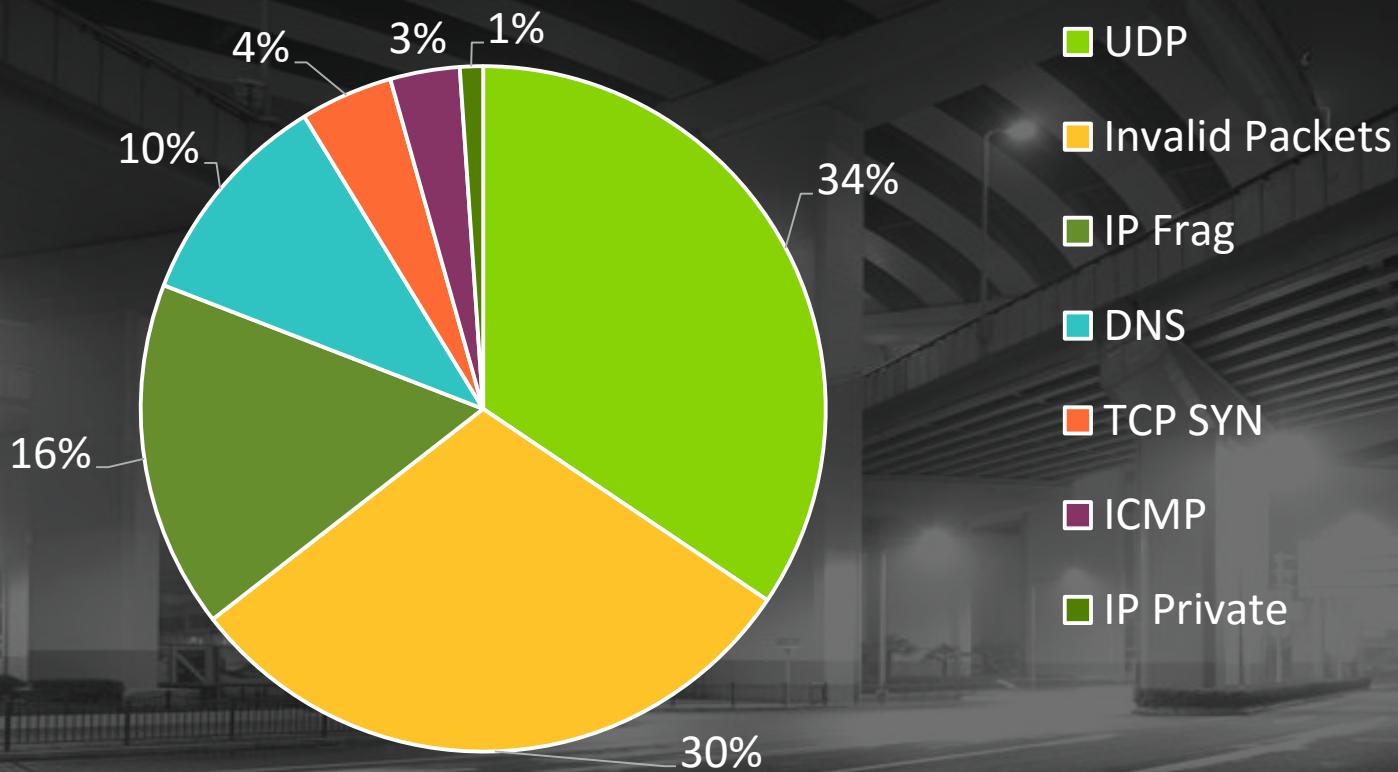


Attacks BPS Breakout (Mbps)



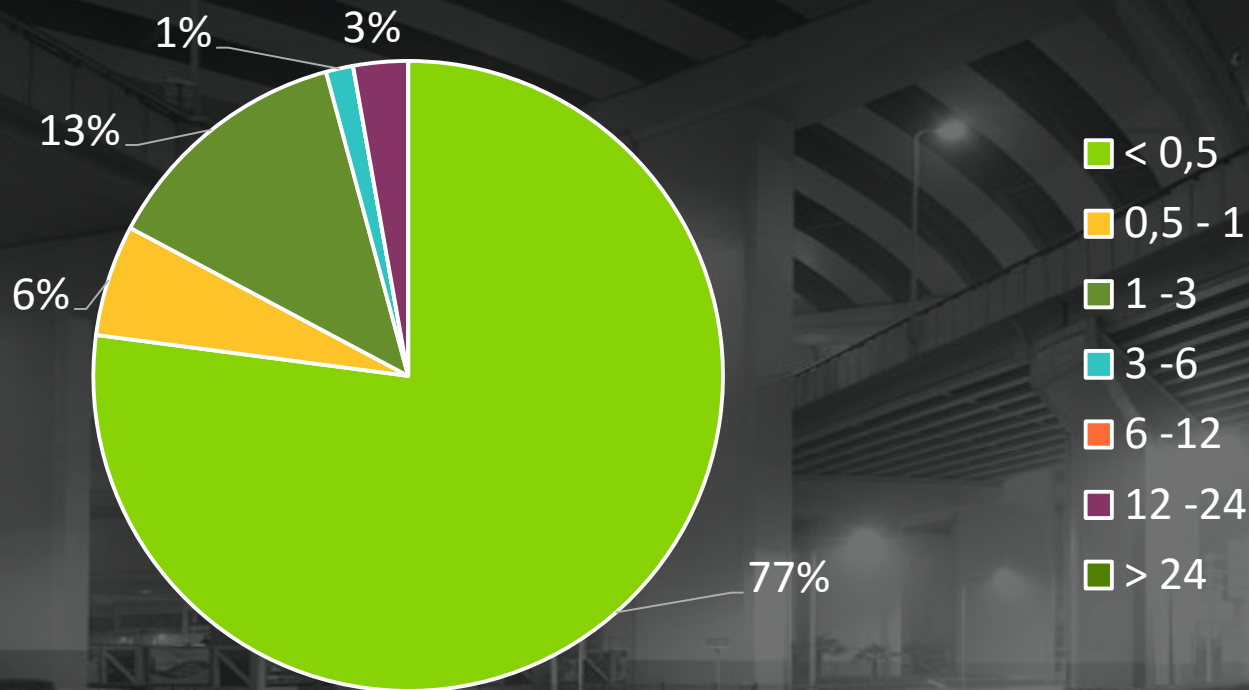


Attacks Type breakout





Attacks Duration Breakout (HH)



Arbor Know How

See

- Continuous traffic analysis: ATLAS, NetFlow

Understand

- AIF, ASERT network trend and application analysis

Protect

- Mitigation of all attacks on premises and cloud.
- Automated protection workflow
- Managed service

Widest Coverage

- Able to detect and mitigate the full scope of DDoS attacks

High Accuracy

- Minimal false positive signatures, selective challenge-response and deterministic/behavioral mechanisms for high mitigation accuracy

Shortest Time

- All attacks can be detected on-premise in real-time
- Protection starts in seconds

Complete Solution

- ASERT's security experts to manage attacks
- Fully-managed service option
- Integrated reporting system

Thank you!