

Bell DDoS Security Brief

This infographic looks at distributed denial of service (DDoS) attack trends over the past year based on the insights Bell gathers as it operates Canada's largest voice and data network.

Across Canada and around the world, the DDoS threat is on the rise. Bell detected a sharp climb in DDoS attacks in 2016, with many larger and longer-lasting than those of the previous year.



What Bell saw when monitoring and mitigating attacks for its customers in 2016:



All attacks detected within the Bell network were denied for businesses who purchased the Bell Network DDoS Security service — with mitigation having begun within **30 seconds**.

How long?

The average attack was much **longer**.

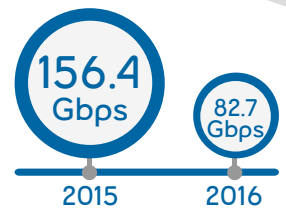


The longest attack lasted nearly two hours **longer** than in 2015.

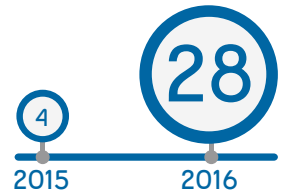


How big?

The **biggest** attack was not as large as in 2015.

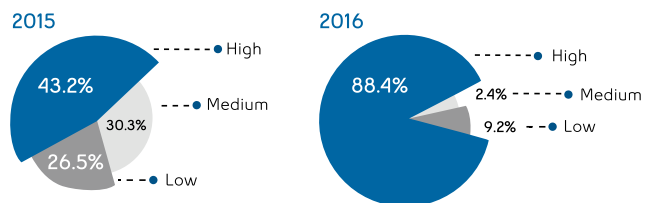


But the number of attacks greater than 10 Gbps increased by **600%**.



How severe?

High-severity attacks made up the majority of attacks in **2016**.

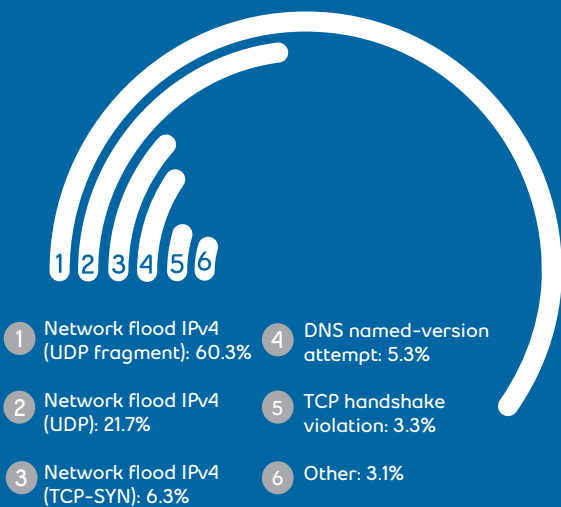


Bell has been seeing longer and more frequent DDoS attacks than ever before. The time for all Canadian businesses to look into investing in a solution that can protect their critical IT infrastructure is now.

To learn if your business may be at risk, download our DDoS risk assessment at bell.ca/ddosassessment.

What attack types are being seen?

Most attacks target the network layer, exploiting vulnerabilities in the user datagram protocol (UDP), network time protocol (NTP) and domain name system (DNS) to overload network connections and consume massive amounts of bandwidth.

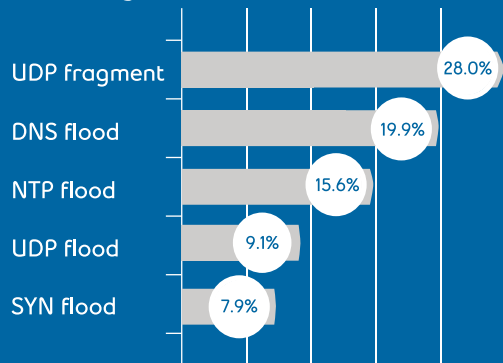


What is being seen globally?

Number of attacks: **+176%**
Largest attack: **623 Gbps**
Attacks greater than 100 Gbps: **+182%**



Attack type distribution



Global DDoS statistics were provided by Bell partner Akamai Technologies.

While Canadian business have yet to face 'mega attacks' of 500 Gbps or more, the number of large attacks are on the rise worldwide – and is something to take into consideration when preparing your business in the year ahead.

To learn about your options and the questions to ask a provider, download our buyer's guide to DDoS security at bell.ca/ddosguide.

Protect your network and your business.

Owning and operating Canada's largest voice and data network, Bell has the greatest scope of visibility into potential threats. With these insights, the fully managed Bell Network DDoS Security service can automatically detect, mitigate and filter DDoS attacks – of any size, source, destination or duration – before they can reach your corporate network, preventing malicious traffic from interrupting your operations.

For more information, visit our website at bell.ca/ddos or contact your Bell representative.

Canadian DDoS statistics were generated from Bell Network DDoS Security service reports.

