



Area of activity

Datacenter/Hosting

Challenges

Different mitigation scenarios

Traffic diversion to an external scrubbing center

Detection of attacks on IPv6

The benefits of the solution

High return on investment

Fast and reliable DDoS attack detection

Automatic mitigation orchestration

Deployed products

Flowmon Collector 2000 VA

Flowmon DDoS Defender 40

Implementation partner



Equinix connects businesses with partners and customers around the world through a global platform of high-performance data centers to help them grow their businesses, improve application performance and protect their vital digital assets. Equinix operates in 52 strategic markets across the Americas, EMEA and Asia-Pacific.

Flowmon is now helping Equinix achieve their goal: reaching world's top business markets within 10 milliseconds.

■ CUSTOMER REQUIREMENTS ■

Equinix sees security and the reliability of their service as a priority. Even before deploying Flowmon their customers were protected from DDoS attacks with the employment of multiple protection strategies.



- Traffic shaping of attacks threatening their backbone at starting volume of 1Gbps
- Attack rerouting and mitigation in an external scrubbing center for attacks of higher volume, especially when transit and peering lines are in danger.
- On-premise mitigation devices to deliver scrubbing as an optional premium service to customers.

However, with the trend of uprising attack volumes and different striking methods, Equinix faced the need to build an equivalent protection strategy on IPv6 protocol – not supported by the standing technology.

■ CUSTOMER TESTIMONIAL ■

Joost Westerbeek, IT Network Engineer at Equinix Netherlands comments on Flowmon DDoS Defender:

“Flowmon was our first and only DDoS solution to test since we’ve had a very convincing feedback on their technology. The combination of great value for money, our experience with the vendors’ support and their feature-set sealed our decision. We have customers from all industries, including healthcare and education. Flowmon provides the flexibility we need to grow with our clients’ future business needs.”



■ **THE DEPLOYED SOLUTION** ■

Flowmon is deployed on the backbone of a critical datacenter in the Netherlands where the multiple layer set-up is in use. Currently, attacks on IPv4 are covered by the standing solutions and every attack on IPv6 is detected by Flowmon using its inbuilt artificial intelligence mechanisms. After the detection, DDoS Defender is ready

to automatically orchestrate a variety of mitigation scenarios. In this case, redirection of the respective traffic to the out-of-path scrubbing center, where Flowmon is also used. Leveraging Flowmon to divert traffic to this center is quite common in the region, leading to a proven and functional solution.



■ **ABOUT THE COMPANY** ■

Equinix, Inc. (Nasdaq: EQIX) connects the world’s leading businesses to their customers, employees and partners inside the most-interconnected data centers. In 52 markets across five continents, Equinix is where companies come together to realize new opportunities and accelerate their business, IT and cloud strategies. In a digital economy where enterprise business models are increasingly interdependent, interconnection is essential to success. Equinix operates the only global interconnection platform, sparking new opportunities that are only possible when companies come together.

200+	52	283,000	99,9999%	9,800+	230+
DATA CENTERS	METROS	CROSS CONNETS	UPTIME RECORD	CUSTOMERS	FORTUNE 500

1075+ companies collocate in Equinix’s Netherlands data centers to connect to business partners and customers across their digital supply chains. Equinix in the Netherlands is home to many thriving, diverse business ecosystems, including:

- Europe’s vibrant banking, commerce, manufacturing and telecommunications leaders, which locate here to take advantage of excellent broadband connections to the rest of the world, thanks to the Netherlands’ connections to 150 global submarine cable networks
- ISPs, telecommunications carriers, content providers and hosting services from all over the world, via connections to the Netherlands Internet Exchange as well as to the Amsterdam Internet Exchange at our Amsterdam colocation facilities
- International enterprises that want to take advantage of the Netherlands’ high-speed connections to the rest of Europe: typical latency from the Netherlands to London, Paris and Frankfurt is less than fifty milliseconds

