

Customer:



Industry:

Internet, cloud and other ICT services provider

Challenges:

- ▶ 100 000+ IPs in the network
- ▶ Multiple 10Gbps channels
- ▶ 10Gbps backbone network
- ▶ Large amount of traffic needed to be captured and monitored
- ▶ Ensure handling increased traffic with ongoing DDoS attacks
- ▶ Capturing and monitoring DDoS attacks

Benefits:

- ▶ Detection, protection and mitigation of attacks into network
- ▶ Excellent visibility into the network traffic
- ▶ Reporting based on collected information from uplinks
- ▶ Flexibility for system upgrade such as upgrading infrastructure or adding new uplinks

Solution:

- ▶ Flowmon Probes 20000 SFP+
- ▶ Arbor PeakFlow SP

Contact:

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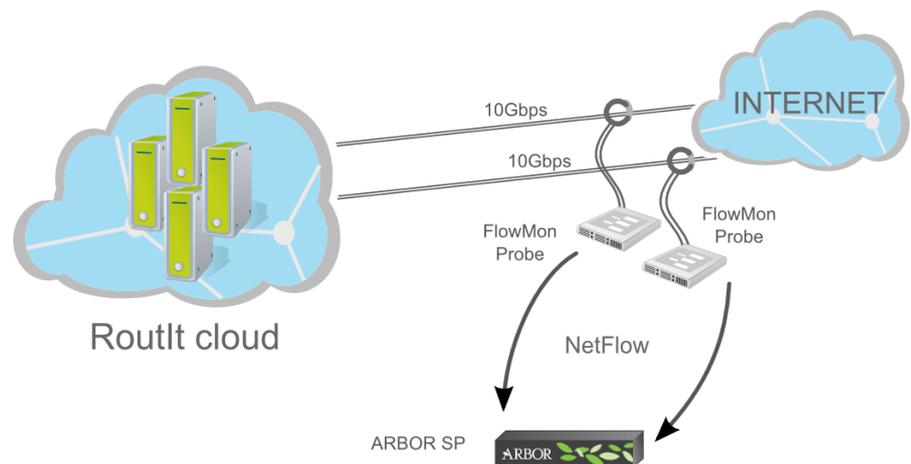
RoutIT provides wide range of internet and cloud services such as virtual private servers, internet connectivity, virtual private networks, VoIP services, mobile services and security solutions. If needed, RoutIT also provides marketing services for their partners. Its activities are well known in Netherlands as a large player in a field of ICT services providers for SME.

Infrastructure

As a huge ICT services provider, RoutIT's network infrastructure requires ability to process massive volume of data flows and constant availability at top quality level. To ensure all the necessary transmission capacity and required services, the technology of 10Gbps Ethernet is deployed throughout the whole infrastructure including datacenter, where applications are hosted. RoutIT network is connected to the Internet via 10G lines with multiple channels. Inside this infrastructure base it is possible to provide high quality services for customers.

Deployment

The most important channels are monitored separately by hardware accelerated Flowmon Probe 20000 SFP+ providing two times 10G monitoring interface that ensures no packet loss even during volumetric attacks. The connection was implemented with TAP devices for each channel, which are copying TX and RX traffic into Flowmon probes. NetFlow data are being continuously exported from probes to Arbor PeakFlow SP 6000, which is responsible for DDoS detection and mitigation of traffic



Customer Review

"The joint solutions of Flowmon Networks and Arbor Networks have provided us with a state-of-the-art Anti-DDoS system. The deployment of the solution went really smooth and was prepared in a very professional way", says Winfred Hofman, Network Architect from RoutIT. "Looking at the complexity of the case in combination with the importance of the network, the execution of the project went great. The insights we get from the flow reports from our network really helps us in doing the best possible risk prevention."