Flowmon
Driving Network Visibility

Customer:

ČD-Telematika

Industry

Telecommunications

▶ *Extensive data network covering region of the Czech Republic*

▶ *Provider of ICT solutions, telecommunications and ERP system services*

▶ *Among the most important customers belong Ministry of transportation, Ministry of defence, České dráhy, GTS Czech, MVV Energie CZ, T-Mobile, UPC, České Radiokomunikace, CESNET and more subjects from public, academic and private sector*

Solution benefits:

▶ *Real-time network monitoring*

▶ *Fulfillment of Data Retention Directive issued by EU and legalized by the Czech Republic*

▶ *Automatic detection of ISP network security threats and attacks*

Products:

▶ *Flowmon Probe*

▶ *Flowmon Collector*

▶ *Flowmon Collector VA*

▶ *Flowmon Data Retention*

▶ *Flowmon ADS ISP*

ČD Telematika is one of the most significant provider of telecommunication services and ICT solutions in the Czech Republic. It specializes in the sector of rail transportation, but it also successfully cooperates with customers of many other industries.

Infrastructure

The ČD Telematika's data network, with access points in more than 350 towns and villages, covers region of the Czech Republic. It is connected to the internet through four 10Gbps and two 1Gbps lines with typical network traffic exceeding tens of gigabits per seconds and 2.5 millions of packets per seconds. The internet connectivity provided by the ČD Telematika's data network serves more than 300 internet service providers in the Czech Republic.

The Deployment of Flowmon Solution

The Flowmon solution deployed in ČD Telematika provides lossless monitoring of all upstream and downstream transit lines. The solution also provides long-term storage of collected IP traffic information using Flowmon Collector with 32 TB storage capacity to fulfill Data Retention requirements.

The Flowmon solution is also used for security monitoring in ČD Telematika. The second Flowmon Collector with Flowmon ADS system, deployed as a virtual appliance, detects any nonconformity, threats or anomalies in the network and sends email reports and alerts about it to administrators.
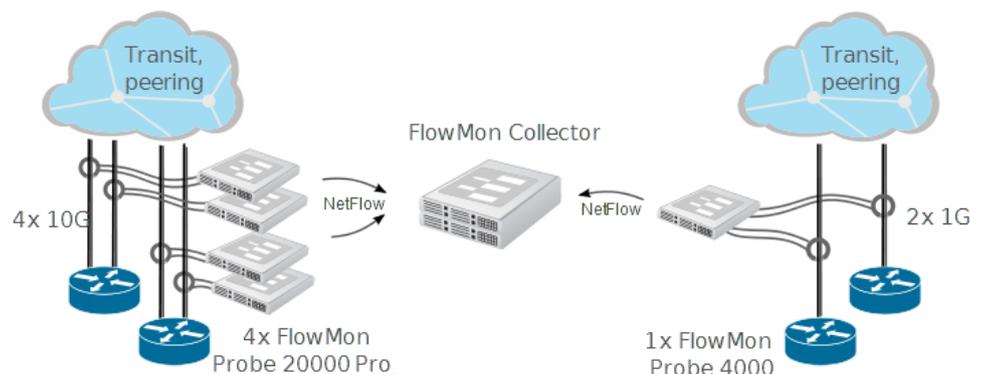
Customer Review

Ing. Mikuláš Labský, the head of Telecommunications department stated:

„We have chosen the Flowmon solution with objective of fulfilling Data Retention Directive issued by EU and legalized by the Czech Republic. The main reason of our choice was the best feature/quality to price ratio. Later in 2012 we extended the solution with Flowmon ADS for automatic detection of threats, malware and other anomalies to meet high demand of our customers for security. During the first three months we have detected our customers' infected computers instructed by botnet server to systematically attack computers all over the world. Our customers had not been aware of such malware in their network. Therefore, today we provide automatic reports containing detected anomalies and threats to our customers as added value to increase security and quality of provided services."