

Customer



Industry

Internet Service Providers

Challenges

- ▶ *Cost-effective NetFlow export*
- ▶ *Solution scalability across large data network*
- ▶ *Improved network visibility for peering optimization and faster troubleshooting*

Deployed Solution

- ▶ *3x Flowmon Probe 40000 SFP+ appliances 4x 10GbE*
- ▶ *1x Flowmon Collector 500 Virtual Appliance*

Solution Benefits

- ▶ *Better Price/Performance ratio compared to built-in NetFlow export capabilities of routers*
- ▶ *Improved network performance thanks to complete IPv4/IPv6 traffic visibility*
- ▶ *Drill-down to any communication flow and history without aggregation*
- ▶ *Collecting statistical data to present on customer portal*
- ▶ *Deployed solution can also offer additional security services*

Contact

info@toya.net.pl

TOYA

Toya is one of the biggest Internet Service Providers making digital TV, Internet and telephony available to 160.000 households in six cities in Poland. Its data network covers central Poland where Toya offers a complete portfolio of modern telecommunication services, mainly to Home and SOHO users.

Situation

Because of the still growing Internet connectivity and connection speeds, Toya faced the need to replace the existing CMTS (Cable Modem Termination System) routers. Toya needed a high performance solution able to generate relevant data traffic flowing through the CMTS and to collect this data in their internal NetFlow Database.

Toya considered and evaluated different solutions such as CMTS routers with NetFlow export capability and CMTS routers with standalone Flowmon Probes. The option of deploying CMTS, including netflow capabilities, was less attractive from a financial point of view. Therefore, they decided on standalone Flowmon Probes generating NetFlow traffic to obtain identification information for their security services and to visualize end user traffic.

Flowmon Solution Deployment

After an initial PoC, Toya decided to put their trust into Flowmon. This decision soon proved its worth with a solution specifically customized to the 10Gb interfaces that complement the deployed CMTS router. The implemented solution consists of three Flowmon Probes 40000 SFP+, each one attached to one CMTS router.

The deployed solution is capable of generating NetFlow/IPFIX data and fulfills the requested processing performance for 10 Gbps interfaces. By using Flowmon solution, Toya administrators gained deep network visibility, accurate and reliable data for network statistics, reporting and alerting. In addition, NetFlow data provides the necessary information for fast troubleshooting and optimization of network performance. Toya uses network statistics collected by Flowmon Probes for the customer portal as well.

Customer Review

Rafał Banas, CIO of Toya, summarizes the Flowmon solution deployment as follows:

“After conducting insightful performance tests, we decided to purchase Flowmon Probe and Collector to complement the already deployed CMTS routers. The solution met our requirements for an efficient collection of user traffic data. Also, one of the important key factors of our decision to buy Flowmon solution was the capability to add new security functionalities such as Flowmon ADS for increased network security and the ability to discover botnets and also Flowmon DDoS Defender capable of mitigating volumetric risk.”