Flowmon
Driving Network Visibility

Customer:

SEZNAM.CZ

Industry:

An operator of Czech Internet portal, catalog of companies, web-sites, number of information servers and practical services including mailboxes.

Challenges:

▶ *Monitoring of incoming traffic on all operated portals and services*

▶ *A large number of users*

▶ *Large data volumes*

Benefits of Solution:

▶ *An overview of the communication and utilization of individual portals and services*

▶ *Network visibility*

▶ *Anomaly and attack detection*

▶ *Materials for the optimization of provided services*

Deployed Products:

▶ *Flowmon Probe 40000*

▶ *Flowmon Collector*

▶ *Flowmon ADS*

Realized by:

BuLL
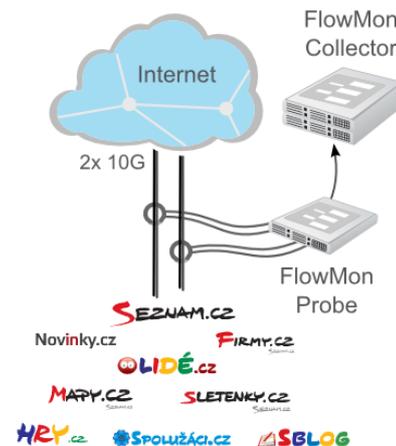
BULL
Flowmon Networks Platinum Partner

Seznam.cz is the most visited Czech Internet portal, its homepage is daily visited by over 2.5 million users. Seznam.cz services as full-text search engine, catalogue of companies, mailbox or the news are routine part of Czech Internet users. The company vision of Seznam.cz is to work in order to make Internet the most powerful Czech media and place itself of the first choice at the same time.

Customer Requirements

Company operates in two data centers where thousands of servers are placed to ensure running of provided Internet services. Each data center is connected to the Internet by speed of 50Gbps. Due to company focus the proper functioning of data center and Internet connection is absolutely essential. That is why Seznam.cz is constantly working on its improvements (improving of throughput, reliability or protection against attacks). Therefore the logical step was deployment of Data Flow Monitoring and Network Behavior Analysis technologies that provide detailed network traffic visibility and enable automatic attacks, anomalies and threats detection. Main requirements were:

▶ Long-term storage of information about communications

▶ Analysis and displaying of information in form of various outputs (overview and pie charts, tables, reports, detailed listings of communications, etc.)

▶ Detection of undesirable events, anomalies or attacks.

Deployment of Flowmon Solution by BULL Company

Customer decided for the Flowmon solution on the basis of survey of available tools. Its deployment was implemented by BULL company in cooperation with producer of the solution, Flowmon Networks company.

For monitoring of incoming traffic on two already aggregated 10Gbps lines is used 4-port 10-Gigabit probe Flowmon Probe 40000 that is deployed via passive splitters. The probe sends measured data to Flowmon Collector for its collection and analysis. Flowmon Collector also includes anomaly detection system Flowmon ADS. Total storage capacity of the collector is 24TB and enables complete data analysis for up to several months backwards. Statistic information and reports are then available for years. Flowmon ADS system analyzes all data and alert to any suspicious network situation, anomaly or attack.

Customer Review

Mr. Martin Dolecek, Manager of Operations Department, evaluates solution deployment:

"Flowmon solution has literally opened our eyes above enormous volumes of data. Simple and detailed control at the same time is directly designed for both administrators and managers too. ADS module, detecting anomalies, alert us to internal problems but also to daily attack attempts. During making decision the professional and open approach were crucial for us. That is why we can highly recommend companies BULL and Flowmon Networks."