

Customer:



Industry:

Healthcare

Challenges:

- ▶ extensive data network
- ▶ operation of critical systems and applications
- ▶ wi-fi for patients
- ▶ secured perimeter, but absence of internal data network monitoring

Solution benefits:

- ▶ network traffic monitoring, 1-year history
- ▶ automatization of network management and security processes
- ▶ reducing costs to network management
- ▶ excellent price/performance ratio

Products:

- ▶ Flowmon ADS Standard
- ▶ Flowmon Probe 2000

Thomayer Hospital is modern clinical center, which provides high-level specialized medicine and background for professionals from many medical fields. Expert assistance especially focuses on pediatric, traumatology, oncology, pulmonology, neurology and many others.

Infrastructure

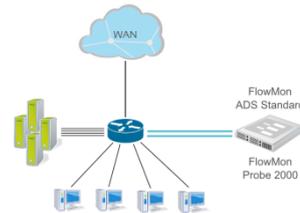
At the hospital data network, which covers an area of 18 ha, are operated critical hospital information systems, visual documentation archiving systems as well as economic and administrative systems. The network is also used by advanced diagnostic appliances for communication and by staff and patients to access to the Internet as well. High demands on reliability and safety are obvious.

The current security concept relies on a secure perimeter and separation of the traffic into virtual LANs within a single physical infrastructure.

Customer challenges

- ▶ Monitor and analyze all data network traffic automatically
- ▶ Evaluate the actual availability of critical systems
- ▶ Eliminate unwanted applications and content sharing
- ▶ Prevent potential data leakage

Solution



Flowmon Probe 2000 with two monitoring ports monitors all backbone switches. The built-in collector with a capacity of 500GB is used for long-term storage of measured data. All network traffic is automatically analyzed using tool for advanced analysis **Flowmon ADS**. Identified operational and security issues are recorded as events. Collector with

Monitoring center application creates reports for management regarding the traffic structure and characteristics.

Customer review

Martin Gonda, head of telecommunications department, evaluates more than 1 year experience with Flowmon solution as follows:

“Our objective was to improve existing security elements of Thomayer hospital data network (Firewall, IDS/ IPS, Antivirus, Spamfilter, security policies) to the next level. The probe for network monitoring based on NetFlow and software for detection of anomalies and unwanted traffic were chosen. We selected Flowmon solution from the European vendor Flowmon Networks. With this cost-effective solution we gain a detailed overview of what is happening in our infrastructure, and we improved the opportunity to face today's and future cyber threats efficiently. In addition, we appreciate easy web-based interface and fast implementation.”