

Customer:



Field

University and science research

Challenge:

- ▶ Couple of hundred employees
- ▶ Several thousand students with their own devices
- ▶ Six locations in 2 towns
- ▶ Requirement of visibility into the network
- ▶ Simple and intuitive solution for maintenance and network monitoring
- ▶ Monitoring of university policies in the network

Solution:

- ▶ Flowmon probes
- ▶ Flowmon ADS

Benefits:

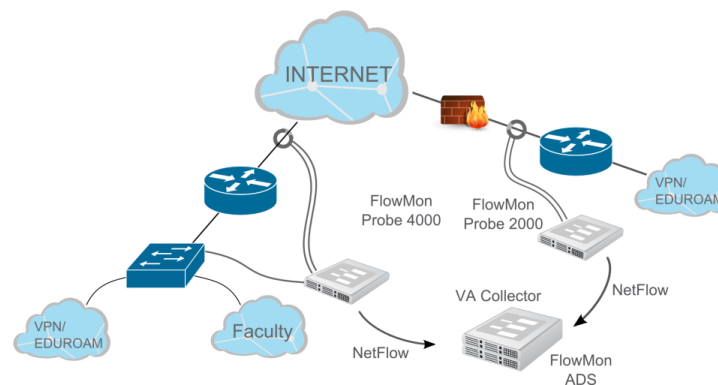
- ▶ Higher visibility in complex network in two locations
- ▶ Automatic detection of anomalies
- ▶ Monitoring of violence of university policies
- ▶ Simplification and improvement of CIT (Centre of IT)
- ▶ Full solution for operational and security network monitoring for affordable price for academic field

The Silesian University in Opava is the only university in Czech Republic founded after 1989 without any previous history of faculties. It was established in 1991 out of two Masaryk University faculties, one in Opava and one in Karvina, which makes it one of the youngest universities in Czech Republic. From that time the university has grown and nowadays consists of three faculties, Faculty of Philosophy and Science in Opava, School of Business Administration in Karvina, Faculty of Public Policy in Opava and Institute of Mathematics.

Infrastructure

The network infrastructure of the university consists of two locations 60 km apart, Opava and Karvina. Centre of IT (CIT) covers the network administration of facilities in Opava and the Department of IT (DIT) administers the network of faculty in Karvina. Besides the Network Management Department, CIT is composed of IT Systems Department and eLearning Department. The mission of CIT is to create a concept of advancement and the coordination of ICT service deployments.

Deployment



Two Flowmon probes were deployed for network monitoring, one of which was **Flowmon Probe 2000** with two ports to monitor traffic in Karvina and the second was **Flowmon Probe 4000** with four ports located in the headquarters of university. NetFlow data are exported by these probes to the virtual collector and stored for couple of months. **Flowmon Monitoring center** is running on the collector as well as **Flowmon ADS**, which automatically detects operational and security anomalies. The solution saves significant amount of time of network administrators.

Customer review

Jiří Slézka, the head of network administration department CIT Silesian University, evaluates using Flowmon and ADS system:

„It is quite difficult to monitor and control the network effectively when it is divided into two geographically distant locations with separate internet access. Everything has changed after we deployed Flowmon probes to both locations. Thanks to that, the visibility of the network is more accessible and also the solution of problems more effective. In addition, ADS system alerts us automatically about possible anomalies, so we can work on other important tasks.”