

Reliable Network Monitoring and Anomaly Detection in a University Environment

CASE STUDY

MUNI

INDUSTRY

Higher education and scientific research

PRODUCT

Progress Flowmon Collector
Progress Flowmon Probe
Progress Flowmon ADS

OVERVIEW

Masaryk University, located in Brno, is the second-largest public university in the Czech Republic and the leading higher education institution in Moravia.

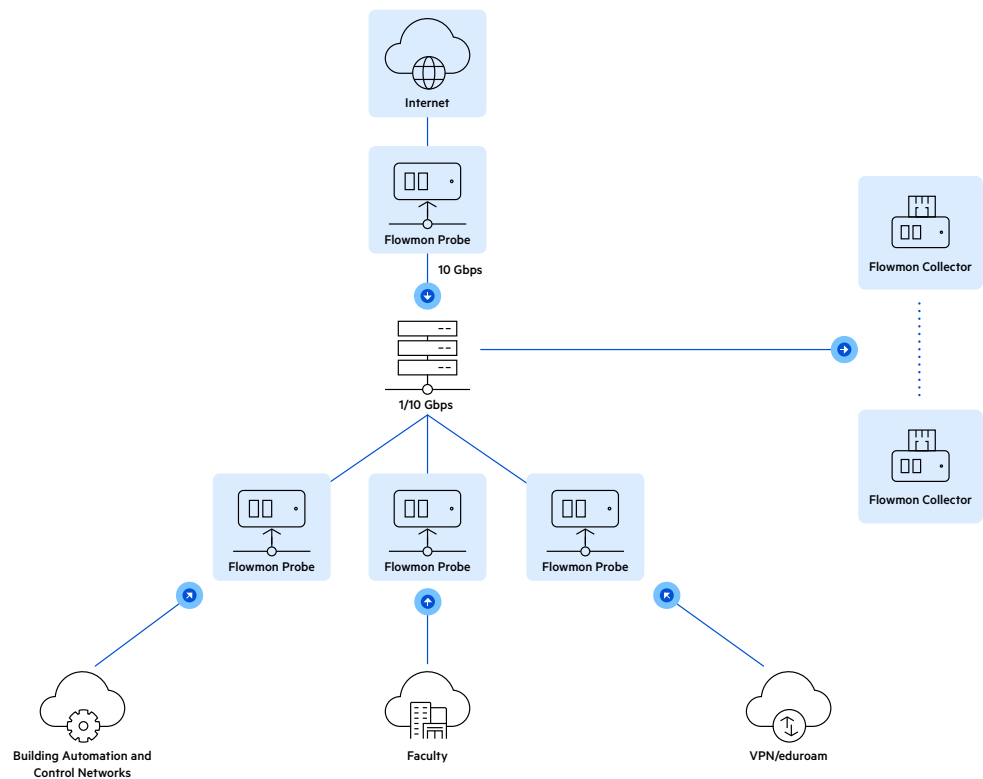
Progress Flowmon delivers outstanding network visibility and reporting combined with automatic detection of security issues and Computer Security and Incident Response Team (CSIRT) task automation. Flowmon has been used in research projects and education at the university.

Situation

The IT infrastructure of Masaryk University, with its nine faculties, three institutions and the campus, is located over whole Brno city and near surroundings. The network core is operated on 10Gbps by Institute of Computer Science. The security assurance is guaranteed by CSIRT-MU – accredited member of the European security community Trusted Introducer (TERENA). CSIRT-MU team is responsible for monitoring of in/out Internet traffic, connection of faculties and institutions to backbone, technology network, VPNs, eduroam and critical servers.

Solution

CSIRT-MU operates 25 Flowmon Probes to assure monitoring of all critical points in university network. Traffic statistics are stored on 6 different collectors to guarantee redundancy and separate development/student collectors from the operational ones.



The total Flowmon Collector capacity is 40TB. Flowmon ADS processes the network traffic statistics from selected Probes (e.g. Internet traffic, selected faculties) and automatically detects security related events and policy violations. The incident handling process is automated so events are being reported to incident handling system Request Tracker operated by CSIRT-MU.

About Masaryk University

Masaryk University, located in Brno, is the second-largest public university in the Czech Republic and the leading higher education institution in Moravia. At present it comprises nine faculties with over 200 departments, institutes and clinics. Masaryk University is recognized as one of the most important teaching and research institutions in the Czech Republic and a highly-regarded Central European university.

To learn more, please visit: www.muni.cz/en

“Although we love to create new security monitoring tools, we also need a reliable cornerstone of the monitoring infrastructure for a routine operation of a university CSIRT. Furthermore, we welcome professional support that comes with Flowmon solution. It allows us to focus on the core of our business.”






Jan Vykopal
CSIRT-MU Team Leader



Enable your IT team to never overlook abnormal security and data traffic issues with an in-depth network visualization for your company by deploying **Progress® Flowmon®**

About Progress

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