

Customer



Industry

Petroleum Industry

Challenges

- ▶ Central monitoring and management of network with different geographical locations
- ▶ Extensibility for further sources of data flow
- ▶ Compliance with legislative requirements

Solution benefits

- ▶ Operation and assurance of safety for critical infrastructure
- ▶ Gaining visibility into application layer
- ▶ Proactive detection of anomalies in network

Deployed products

- ▶ Flowmon Probe IFP-4000-CU
- ▶ Flowmon Collector IFC-500-VA
- ▶ Flowmon ADS Business

Contact

www.ceproas.cz

About the Company

Čepro guarantees the transport, storage and sale of petroleum products. Within its area of business, the company provides transportation, storage and special services to other bodies. The mission of Čepro is also to protect stocks of State material reserves. In addition, the company operates a network of its own petrol stations under the trade name EuroOil.

Situation

The data network of Čepro has tens of elements in many locations spread throughout the whole of the Czech Republic and furthermore, the network is linked with the communication from individual EuroOil petrol stations. The data communication network of Čepro runs communication between users and the business enterprise systems as well as the highly critical communication technology systems and components. The data network of Čepro is part of the critical infrastructure of the State and for that reason the highest demands were placed from the perspective of visibility into the network and monitoring and from the side of enhancing safety.

Deployment of the Flowmon solution

The company required visibility into the application layer, which is why the Flowmon Probe was part of the deployment that mirrored data traffic from the backbone routers. After data processing, the probe exports the data to the virtual collector IFC-500-VA installed in the VMware virtual environment. Deployment in the virtual environment provides efficient use of earlier investments in hardware while meeting the requirements for future expansion. The separate collector allows expanding the monitoring of data flows and other data sources.

The data gathered into the virtual collector are permanently evaluated by the Flowmon ADS module that carries out the analysis of network behavior. Thanks to machine learning and the system Flowmon Threat Intelligence the module effectively evaluates abnormalities in behaviour, detects and reports security incidents. At the same time, it also provides relevant data for evaluation.

Customer Review

The Flowmon solution deployment was assessed by Martin Kundera, Head of the IT department in Čepro:

"The priority of our company was to ensure compliance with the requirements of the critical information infrastructure from the perspective of the law on cyber security and in compliance with paragraph 17 of the decree no. 316/2014 Coll. Due to the introduction of the Flowmon solution we have achieved the target state. We have gained visibility into network traffic in our company. Knowledge of the characteristics of the traffic in the network allows us to perform qualified purchase decisions as well as to detect and eliminate unwanted anomalies in our infrastructure. Our team members appreciate the excellent technical support from the vendor and the seamless integration within the concept of our company."