

## Dejan Valh



After obtaining a degree in electrical engineering, he started working at IZUM as a system administrator and acquired some professional certificates from this area. After a few years, he became head of the Computer Systems Support Department. Along with his colleagues within the department, he makes sure that IZUM's services, offered to the end-users and IZUM employees, are always operational and available.

He is also a lecturer and mentor for secondary and higher education students who decide to do their work experience at IZUM, and teaches several subjects at a Information Science course at a higher vocational college.

In his spare time, he likes to do sports, mainly basketball, football and hiking.

## Overview of monitoring tools for network and data protection at IZUM

One of the key goals of computer systems support is caring for the safety of data in systems and within the network. The process of providing information safety is important as threats of data disclosure and disabling business operations are a constant feature of the information era. Providing a sufficiently high level of safety is crucial in several areas, among them preventing intrusion attempts, malware and the exploitation of safety vulnerabilities, discovered within software. The presentation will focus on the aim and description of conceptual solutions for network and data protection. Some of the solutions are: devices for securing the traffic between the local network and the Internet, solutions for the detection of unknown malicious software, particularly ransomware, solutions for detecting the safety vulnerability of devices and systems within the network, tools for detecting safety shortcomings in web applications, and a system for secure storage of access logs to personal data.