

# Cyber Attacks Based on Data Injection

Alexandru-Marius SIMION

University Politehnica of Bucharest, Romania

alexandru.simion95@stud.etti.upb.ro

## Abstract

*Software vulnerabilities represent the most important vulnerabilities due to their impact compared to other vulnerabilities such as hardware and network ones. Throughout the years many vulnerabilities have been identified, classified, and registered by organizations such as MITRE as a CVE (common vulnerability or exposure) and assigned a Common Vulnerability Scoring System (CVSS) score to reflect the potential risk it could introduce to organizations. This paper describes, analyses, and provides solutions to the effects of the top three most dangerous system vulnerabilities such as: SQL injection and Command Injection.*

**Keywords:** software vulnerabilities, SQL injection, command injection

## References

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