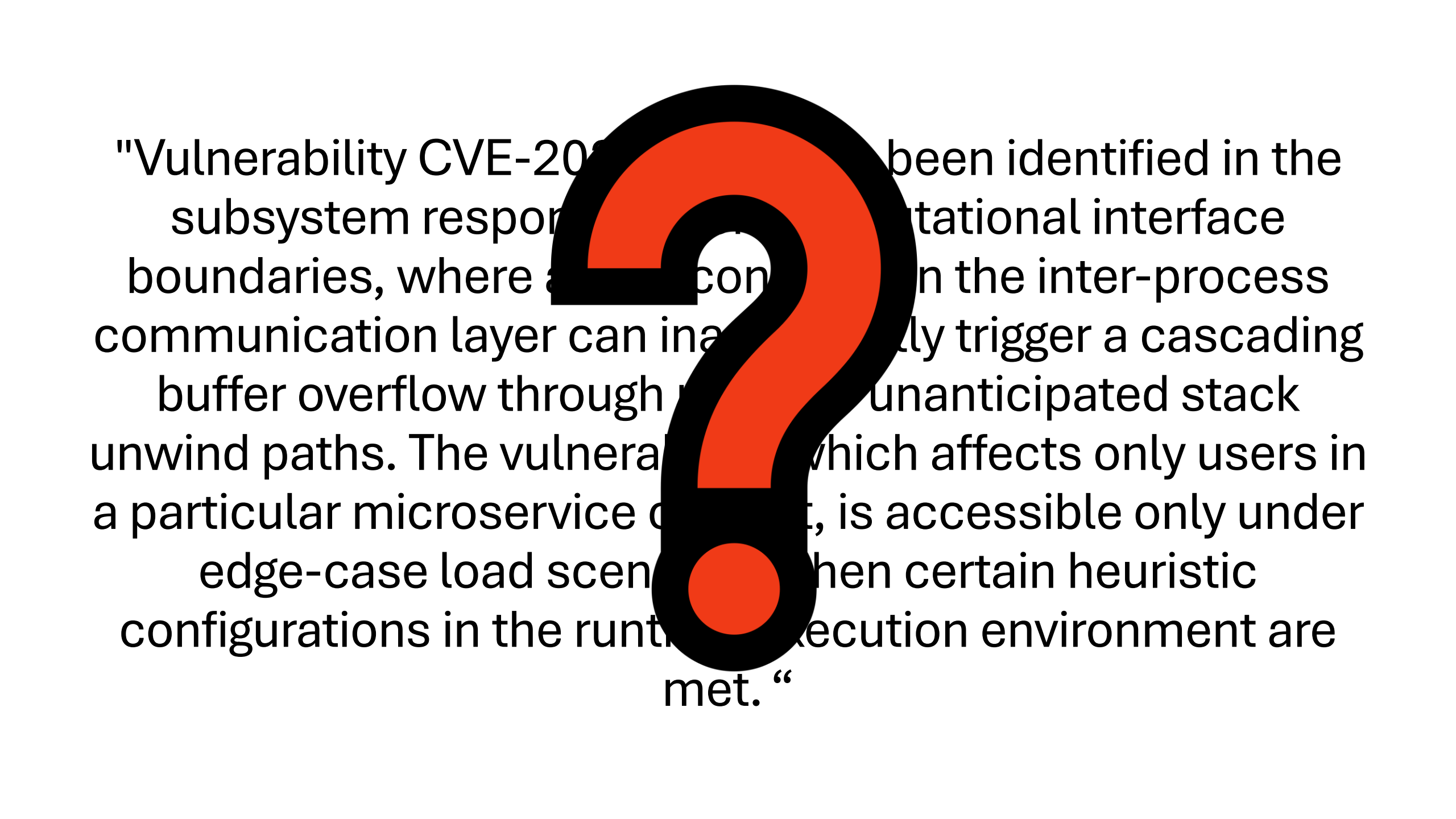
CHESS Brokerage Event at JIC


# Usability of Penetration Testing Reports

Katarína Galanská

"Vulnerability CVE-2023-XXXX has been identified in the subsystem responsible for computational interface boundaries, where a race condition in the inter-process communication layer can inadvertently trigger a cascading buffer overflow through multiple unanticipated stack unwind paths. The vulnerability, which affects only users in a particular microservice context, is accessible only under edge-case load scenarios when certain heuristic configurations in the runtime execution environment are met. “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- ⏳ **Time Passing...**
- 🔥 **Vulnerability Still Open!**
- ❌ **Risk Level Increasing**

| 🔍 Report Type | ❌ Confusing & Unclear |
| --- | --- |
| **Finding** | SQL Injection exists due to improper input validation. |
| **Technical Details** | |
| **Remediation** | |
| **Actionable Steps?** | |

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| **Finding** | SQL Injection exists due to improper input validation. | **SQL Injection detected in /login.php (HIGH RISK). Attackers can bypass authentication.** |
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| **Finding** | SQL Injection exists due to improper input validation. | **SQL Injection detected in /login.php (HIGH RISK). Attackers can bypass authentication.** |
| **Technical Details** | Affected Endpoint: /login.php, Payload Used: admin' -- | **Attack Scenario:** Hacker can inject admin' -- to log in as admin. |
| **Remediation** | Implement proper security controls. | **Fix:** Use prepared statements. **Example Code:** SELECT * FROM users WHERE username = ? AND password = ? |
| **Actionable Steps?** | ❌ No clear urgency or timeline. | ✅ Fix within **24 hours**, assigned to **Development Team**. |

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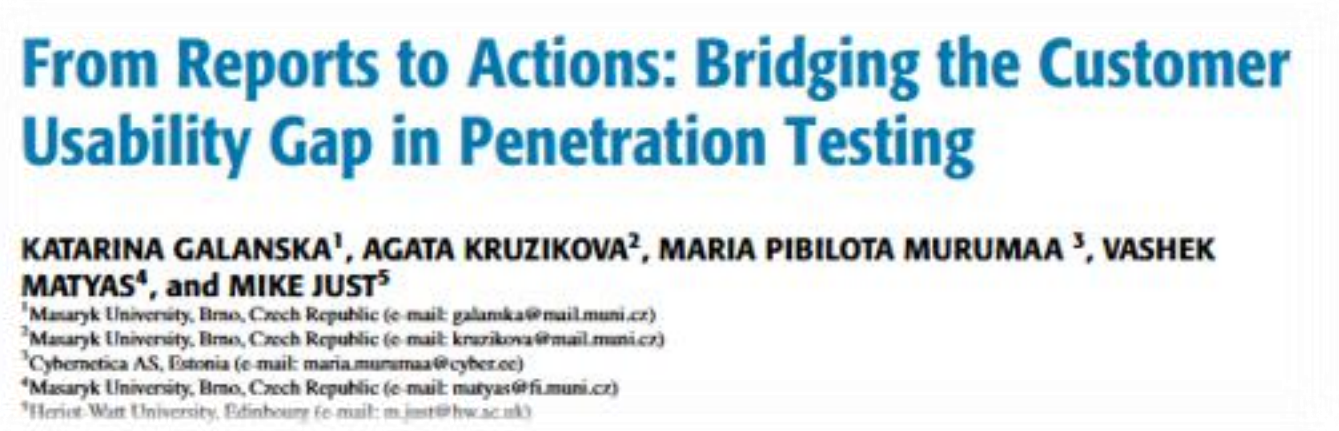
If security reports are confusing, security doesn’t improve!

# Now and Next



From Reports to Actions: Bridging the Customer Usability Gap in Penetration Testing

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🔍 Seeking Collaboration: Partnering with companies to conduct experiments involving professionals who work with penetration testing reports.

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