

مجلس الأمان السيبراني
CYBER SECURITY COUNCIL



United Arab Emirates

Privilege Escalation Vulnerability in Zabbix Agent for Windows

Tracking #:432317781

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a high-verity vulnerability in Zabbix Agent and Agent2 for Windows that could allow a local attacker with limited rights to escalate privileges to SYSTEM level, potentially granting full control over the host system.

TECHNICAL DETAILS:

A local privilege escalation vulnerability has been discovered in Zabbix Agent and Agent2 for Windows, tracked as CVE-2025-27237. This flaw allows a local attacker with limited access to escalate privileges to SYSTEM level due to improper loading of the OpenSSL configuration file.

Vulnerability Details

- CVE-2025-27237
- CVSS v4.0 Score: 7.3 (High)
- The issue arises from insecure handling of the OpenSSL configuration file path. In affected Zabbix Agent and Agent2 versions, the configuration file is loaded from a directory writable by low-privileged users. This enables an attacker to replace or tamper with the file to load a malicious DLL, executed with the elevated permissions of the agent service.
- When the Zabbix Agent or Agent2 service restarts, it processes the altered configuration, leading to execution of attacker-controlled code with SYSTEM privileges, granting full control over the host operating system.

Affected Versions

- Zabbix Agent/Agent2 6.0.0 – 6.0.40
- Zabbix Agent/Agent2 7.0.0 – 7.0.17
- Zabbix Agent/Agent2 7.2.0 – 7.2.11
- Zabbix Agent/Agent2 7.4.0 – 7.4.1

Fixed Versions

- 6.0.41
- 7.0.18
- 7.2.12
- 7.4.2

RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating the affected versions to the fixed or latest versions released by Zabbix.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

REFERENCES:

- <https://support.zabbix.com/browse/ZBX-27061>