مجلس الأمن السيبراني

CYBER SECURITY COUNCIL

United Arab Emirates

Critical Vulnerabilities in IBM AIX and VIOS

Tracking #:432318019

Date:17-11-2025

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed critical vulnerabilities in IBM AIX and VIOS systems that could allow attackers to remotely execute commands, access sensitive information, or modify files on affected systems.

TECHNICAL DETAILS:

Vulnerability Details
1. Remote Command Execution via nimsh
CVE-2025-36251 – CVSS 9.6 (Critical)
A flaw in the **AIX nimsh** service's SSL/TLS implementation allows remote attackers to execute arbitrary commands due to improper process controls.
This addresses additional attack vectors for a vulnerability that was previously addressed in CVE-2024-56347.

2. Exposure of NIM Private Keys
CVE-2025-36096 – CVSS 9.0 (Critical)
AIX stores **NIM private keys** insecurely, making them vulnerable to unauthorized access or interception via man-in-the-middle techniques.
Successful exploitation could allow attackers to **impersonate systems**, **intercept deployments**, or obtain **persistent administrative access**.

3. Remote Command Execution via nimesis
CVE-2025-36250 – CVSS 10.0 (Critical)
The **NIM server (nimesis)** contains improper process controls that enable remote command execution.
This is the **most severe vulnerability**, allowing full compromise of the AIX system.
This addresses additional attack vectors for a vulnerability that was previously addressed in CVE-2024-56346.

4. Directory Traversal in NIM Server
CVE-2025-36236 – CVSS 8.2 (High)
A directory traversal flaw in NIM's URL handling allows an attacker to **write arbitrary files** on the system.
This may result in **privilege escalation**, **root-level compromise**, or **system defacement**.

Affected Products

- AIX 7.2
- AIX 7.3
- VIOS 3.1
- VIOS 4.1

Fixed Versions
Refer to the IBM advisory for remediation steps, fix packages, and additional details.

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the mitigation or workaround provided by IBM.

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://www.ibm.com/support/pages/node/7251173