



مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



RCE Vulnerabilities in Autodesk's AutoCAD Products

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed multiple RCE vulnerabilities have been discovered in Autodesk AutoCAD and certain AutoCAD-based products.

TECHNICAL DETAILS:

Autodesk AutoCAD and certain AutoCAD-based products are affected by multiple vulnerabilities listed below. Exploitation of these vulnerabilities may lead to code execution, this applies to Windows versions of the affected products; other platforms are not impacted. Exploitation of these vulnerabilities requires user interaction.

Vulnerability Details:

- Heap-Based Buffer Overflow (CVE-2024-8587, CVE-2024-8591, CVE-2024-8594)
- Out-of-Bounds Read (CVE-2024-8588, CVE-2024-8589, CVE-2024-9827)
- Out-of-Bounds Write (CVE-2024-8593, CVE-2024-8596)
- Use-After-Free (CVE-2024-8590, CVE-2024-8595, CVE-2024-9826)
- Memory Corruption (CVE-2024-8597, CVE-2024-8598, CVE-2024-8599, CVE-2024-8600)
- Impact: Out-of-Bounds Write, Out-of-Bounds Read, Heap-based Overflow, Use-After-Free, Memory Corruption
- Severity: High

Affected Products:

- Autodesk AutoCAD, Autodesk AutoCAD Architecture, Autodesk AutoCAD Electrical, Autodesk AutoCAD Mechanical, Autodesk AutoCAD MEP, Autodesk AutoCAD Plant 3D, Autodesk Civil 3D, Autodesk Advance Steel

Impacted Versions: 2025

Mitigated Versions: 2025.1.1

RECOMMENDATIONS:

The UAE Cyber Security Council recommends to install the latest updates for affected products.

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.autodesk.com/trust/security-advisories/adsk-sa-2024-0019>