مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Critical Vulnerabilities in Dell Storage Manager

Tracking #:432317862

Date:27-10-2025

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed multiple vulnerabilities in Dell Storage Manager (DSM). These flaws could allow remote attackers to bypass authentication mechanisms, gain unauthorized access to sensitive management functions, or read restricted files on affected systems.

TECHNICAL DETAILS:

Vulnerability Details

1. **CVE-2025-43995 – Improper Authentication (CVSS 9.8 – Critical)**
   An unauthenticated remote attacker can exploit improper authentication handling in the DSM Data Collector component, specifically via APIs exposed through ApiProxy.war in DataCollectorEar.ear.
   Attackers may leverage predefined session tokens or special user credentials to bypass authentication and gain administrative-level access to DSM's internal APIs, leading to complete protection mechanism bypass.
2. **CVE-2025-43994 – Missing Authentication for Critical Function (CVSS 8.6 – High)**
   This vulnerability allows an unauthenticated attacker with remote access to retrieve sensitive information through DSM's web management interface. Exploitation could result in information disclosure involving configuration and operational data.
3. **CVE-2025-46425 – Improper Restriction of XML External Entity (XXE) References (CVSS 6.5 – Medium)**
   A low-privileged attacker could exploit this flaw in DSM's management API XML parsing to access arbitrary files or conduct server-side request forgery (SSRF) attacks, leading to unauthorized data exposure.

Affected Versions

- Dell Storage Manager prior to 2020 R1.21

Fixed Version

- Dell Storage Manager 2020 R1.22 or later

RECOMMENDATIONS:

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

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.dell.com/support/kbdoc/en-us/000382899/dsa-2025-393-security-update-for-storage-center-dell-storage-manager-vulnerabilities l