

مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



High-Severity Vulnerability in Dell PowerProtect Data Domain
Tracking #:432317043
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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a high-severity vulnerability in Dell PowerProtect Data Domain systems. This flaw may permit authenticated users from trusted remote clients to execute arbitrary commands with root privileges, potentially resulting in a complete system compromise.

TECHNICAL DETAILS:

A significant security vulnerability has been discovered in Dell Technologies PowerProtect Data Domain systems. This flaw, tracked as CVE-2025-29987, resides within the Data Domain Operating System (DD OS) and could allow an authenticated user from a trusted remote client to execute arbitrary commands with root privileges, leading to full system compromise.

Vulnerability Details:

- CVE-2025-29987
- CVSS Base Score: 8.8 HIGH
- The vulnerability is identified as an "Insufficient Granularity of Access Control" issue within DD OS. Exploitation of this flaw could grant a malicious actor complete control over the affected PowerProtect Data Domain system. This level of access could result in severe consequences, including:
 - **Data Breaches:** Unauthorized access and exfiltration of sensitive data.
 - **Data Manipulation:** Modification or deletion of critical backup data.
 - **Denial of Service:** Rendering the data protection system unavailable.
- Successful exploitation of this vulnerability poses a significant risk to the confidentiality, integrity, and availability of the data protected by the affected Dell PowerProtect Data Domain systems. Gaining root-level access allows attackers to bypass security controls and perform malicious actions without restriction.

Affected Products and Versions:

This vulnerability affects the following Dell PowerProtect Data Domain products running the specified DD OS versions:

- Dell PowerProtect Data Domain series appliances
- Dell PowerProtect Data Domain Virtual Edition
- Dell APEX Protection Storage

Specifically, the following DD OS versions are affected:

- **Versions prior to 8.3.0.15**
- **7.13.1.0 through 7.13.1.20**
- **7.10.1.0 through 7.10.1.50**

Fixed Versions:

- 8.3.0.15 or later
- 7.13.1.25 or later
- 7.10.1.60 or later

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the mitigation or workaround provided 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://nvd.nist.gov/vuln/detail/CVE-2025-29987>