



CVE-2025-29987: INSUFFICIENT ACCESS CONTROL IN DELL POWERPROTECT DATA DOMAIN

Vairav CVE Report

Date: April 07, 2025

Vairav Cyber Threat Intelligence Team

Vairav Technology Security Pvt. Ltd.

Thirbam Sadak 148

Baluwatar, Kathmandu

Phone: +977 4541540

Mobile: +977-9820105900

Email: sales@vairavtech.com

EXECUTIVE SUMMARY

A critical vulnerability (**CVE-2025-29987**) has been discovered in **Dell PowerProtect Data Domain systems**, allowing authenticated remote users to execute arbitrary commands with root privileges. This could lead to full system compromise, data breaches, or denial of service. Dell has released updates to address the issue; immediate patching is strongly recommended.

VULNERABILITY DETAILS

CVE-2025-29987: Insufficient Access Control in Dell PowerProtect Data Domain

Description: The vulnerability stems from insufficient granularity of access control, which allows an authenticated user on a trusted remote client to execute arbitrary commands as root on affected systems.

Impact: Full system compromise, data manipulation, or denial of service due to elevated privileges.

CVSS Score: 8.8 (High)

AFFECTED PRODUCTS AND VERSIONS:

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

Affected DD OS versions:

- Versions prior to 8.3.0.15
- Versions 7.13.1.0 through 7.13.1.20
- Versions 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

EXPLOITATION

An attacker with valid credentials from a trusted host can exploit this flaw to run arbitrary commands as root, effectively taking control of the system.

RECOMMENDATIONS

- Upgrade to DD OS 8.3.0.15, 7.13.1.25, or 7.10.1.60, depending on your current version.
- Audit and restrict remote access to trusted systems only.
- Regularly review user privileges and monitor for unusual administrative activity.
- Follow Dell's security advisories for additional updates and best practices.

REFERENCES

<https://www.cve.org/CVERecord?id=CVE-2025-29987>

<https://securityonline.info/unpatched-dell-powerprotect-systems-vulnerable-to-remote-compromise/>

CONTACT US

Vairav Technology Security Pvt. Ltd.

Cyber Defender from the land of Gurkha

Thirbam Sadak 148, Baluwatar

Kathmandu, Nepal

Phone: +977-01-4541540

Mobile: +977-9820105900

Email: sales@vairavtech.com

Website: <https://vairavtech.com>