

# Penta Security Launches D.AMO onOS v5.0 for Unstructured Data Encryption

SEOUL, SOUTH KOREA, September 2, 2026 /EINPresswire.com/ -- Penta Security, a cybersecurity company, announced the launch of [D.AMO](#) onOS v5.0, an unstructured data encryption solution designed to comprehensively protect unstructured data in Linux environments, including encryption and decryption logs.



Recent personal data breaches have frequently originated from security blind spots, including unencrypted system logs, long-neglected dormant data, and inadequate encryption key management. Therefore, alongside proactive intrusion prevention, organizations increasingly need a data-centric security strategy that can fundamentally prevent real-world data loss even when sophisticated threats bypass existing security boundaries.

D.AMO onOS v5.0 addresses this growing need by focusing on reducing the threat exposure surface and preventing damage at its source in the event of a data breach. First, the solution encrypts data comprehensively, including legacy and dormant data, eliminating unprotected areas that attackers could target.

Furthermore, D.AMO onOS v5.0 encrypts all log data, including encryption and decryption activity logs. As a result, even if attackers exfiltrate data outside the organization, they cannot obtain readable plaintext, effectively preventing meaningful data exposure. The solution also securely records decryption history, providing reliable evidence for post-incident auditing and forensic tracking.

In addition, D.AMO onOS v5.0 minimizes performance differences before and after encryption, even in large-scale network file system environments such as Network File System (NFS) and Samba. This enables encryption performance comparable to plaintext environments. The solution also enhances service continuity and system availability during failures, helping organizations maintain a stable and reliable operating environment.

Meanwhile, D.AMO, Penta Security's encryption platform, has maintained its leadership position in the Korean market for more than 20 years since Penta Security became the first company in Korea to commercialize encryption technology in 2004. Its technological capabilities have been validated across a wide range of industries, including the public sector, financial services, and private enterprises, while the platform continues to expand its presence in global markets.

More recently, D.AMO integrated [post-quantum cryptography \(PQC\)](#) algorithms standardized by the U.S. National Institute of Standards and Technology (NIST). It also introduced a hybrid architecture that allows PQC and existing cryptographic systems to operate in parallel, establishing a proactive security framework designed for the quantum computing era.

Jihae Lee, CCO (Chief Compliance Officer) of Penta Security, said, "As AI-powered attacks continue to expand and complete prevention becomes increasingly difficult, organizations urgently need to shift their security strategies toward reducing the threat exposure surface and minimizing potential damage. The most straightforward way to maintain control over data across complex infrastructure is to eliminate security blind spots that attackers can target and establish an architecture that keeps data unreadable even if it is exfiltrated."

#### About Penta Security

Founded in 1997, Penta Security is a cybersecurity company providing advanced solutions for web security, cloud security, data security, and post-quantum cryptography. Built on nearly three decades of expertise in encryption and application security, Penta Security helps organizations protect critical systems, secure sensitive information, and seamlessly manage their digital operations, completely free from security worries.

For more information, [contact here](#).

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