

**UP
30**

**OPEN-E
JOVIANDSS**

open-e 
JovianDSS

**A GAME
CHANGING
UPDATE**



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- ☐ SED features update
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About Us - Open-E Team

People are our most important resource

In professionalism we trust. That is why only the most skilled specialists can be a part of our team.

We care for their health and promote both their professional and personal development.



Qualified Team

- 50+ experienced and talented professionals.
- 4 locations: US (World Headquarters), Germany, Poland, Japan.
- Multiple backgrounds to create the best possible product and value for the customers:
 - Programmers
 - Testers, UX Experts, IT, WEB,...
 - Designers and Content Creators
 - Marketing and Sales Professionals



About Us - Open-E Data Storage Software Worldwide

Open-E is a global company with an international, multicultural and diverse team of professionals with goals for 100% customer satisfaction

- ➔ **40 000+ installations** of Open-E products in over **100 countries** around the world
- ➔ **With more than a 25-year history** in the global IT market, we have a solid track record of happy customers and business partners
- ➔ **Open-E works exclusively with our Channel and Technology Partners**





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Stay Updated

Most significant disasters related to lack of updates



Equifax Data Breach (2017)

- Equifax's data breach, caused by an unpatched Apache Struts vulnerability, exposed 147 million people's personal information, leading to significant financial and reputational damage



WannaCry (2017)

- Despite the existence of a patch for the ransomware vulnerability for several months, many organizations, including parts of the UK's National Health Service, neglected to implement it and fell victim to attacks



Log4Shell Exploit (2021)

- Log4Shell is a severe vulnerability in the Log4j Java logging framework that allows attackers to execute arbitrary code or leak sensitive information, affecting numerous software projects and potentially hundreds of millions of devices



Microsoft Exchange Server (2021)

- The ProxyLogon incident, a major cybersecurity breach in Microsoft Exchange servers, was due to unpatched zero-day vulnerabilities, compromising tens of thousands of organizations

Stay Updated

Why should you update your storage even if it runs flawlessly?

Security Risks

According to a Ponemon Institute survey:

- almost 60% of data security breaches suffered by organizations happen because of lack of system updates
- organizations without breaches rated their patching ability 41% higher than breached ones

Source: [Ponemon Institute LLC survey](#)

Vulnerabilities

Without updates, software remains vulnerable to:

- security flaws
- unauthorized access
- cyberattacks



Stay Updated

Software Failures

- Without updates the system becomes susceptible to malfunctions, which can ultimately result in a system crash

Integration Challenges

- Outdated software may not integrate well with modern tools and other software

Employee Satisfaction

- Employees expect software that works seamlessly with other tools. Insecure, buggy software leads to frustration and lower productivity.





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Open-E JovianDSS Up30 Overview

The new Open-E JovianDSS Up30 version is released

Advanced Features & Enhancements

The latest update brings a lot of advanced features, improvements, and enhancements that will improve your data storage

- **Performance**
- **Reliability**
- **Safety**
- **Cost efficiency**

A large, stylized graphic featuring the text 'UP 30' in large white letters with a 3D effect, set against a red background. To the right, the text 'OPEN-E JOVIANDSS' is written in white capital letters. The background of the entire slide shows a perspective view of server racks in a data center.

UP 30

OPEN-E JOVIANDSS



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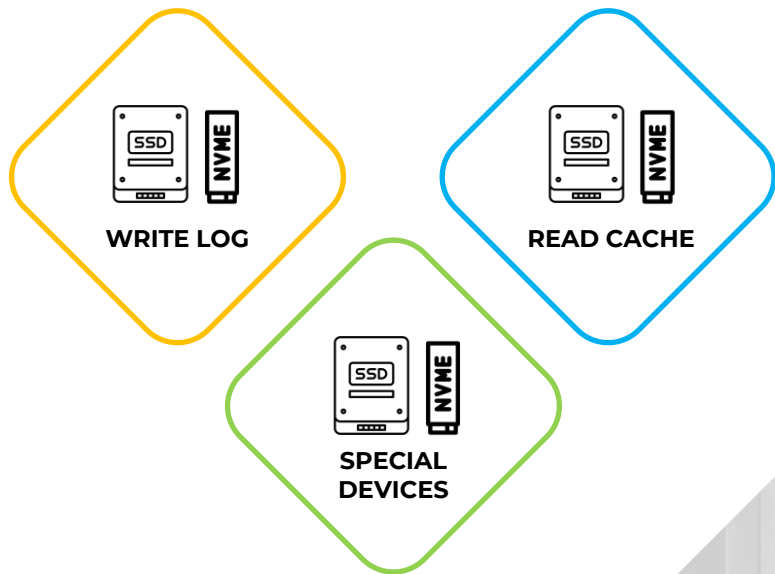
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ZFS Special Devices / Performance

The file system will store specific types of data, such as metadata or small file blocks, on dedicated high-performance data storage devices like SSDs or NVMeS



- **Data-type Tiering**

This unique approach can be described as “data-type tiering”. This functionality might seem similar to traditional data tiering, but there’s a distinct difference.

- **ZFS Prioritization**

ZFS Special Devices prioritize metadata. Additionally, small records on datasets can also be placed on these Special Devices.

- **Performance Improvement**

This strategic placement significantly improves the overall performance of the data storage system.

ZFS Special Devices – Live Demo



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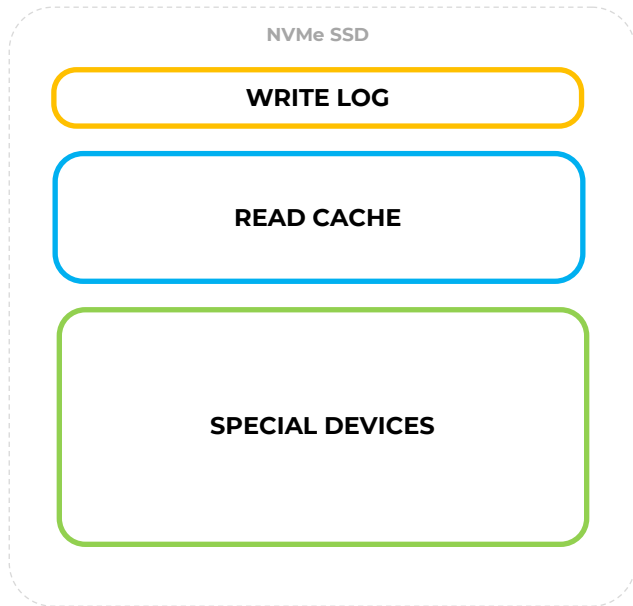
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NVMe Partitioning / Cost Efficiency

Thanks to the Open-E JovianDSS Up30, you can now divide the NVMe disk space into partitions



- **Partition Usage**

These partitions allow you to use one device for both read cache and write log and even to create an additional partition for Special Devices

- **Optimization**

The NVMe's partitions allow you to optimize your NVMe disk capacity utilization

- **Cost and Hardware Efficiency**

This optimization means less hardware used and money spent

- **Simplification**

It also simplifies your data storage system architecture, management, and maintenance

NVMe Partitioning – Live Demo



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What Else is New? / Safety & Reliability

a. Active Directory features update / Safety

- **Active Directory support for rfc2307 (AD backend for Samba)**
Support for configuration of Unix UID and GID for Unix-like through Microsoft Windows Domain Administrator
- **Active Directory with RID range**
Multiple trusted domains support without RID conflicts

b. Self-Encrypting Drives (SED) support for non-shared clusters / Safety

The Self-Encrypting Drives can be fully utilized in non-shared cluster configurations

c. MacOS Time Machine support / Reliability

MacOS Time Machine support for creating, finding, and restoring copies over SMB protocol





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SURVEY



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Open-E DSS V7 End-of-Life

Open-E DSS V7 EOL Most Important Dates

October 31th, 2024

The last order date for Open-E DSS V7 licenses and support renewals

November 1st, 2024

This will be the end-of-life date for Open-E DSS V7

We encourage customers migrating to Open-E JovianDSS to enjoy the benefits of ZFS technology and ensure the continuity and security of their data storage operations



Open-E DSS V7 End-of-Life

Open-E JovianDSS Upgrade Options for Open-E DSS V7 Users

- A preferential licensing model to transfer licenses to the new product at a discounted price
- Additional upgrade support for hardware and system architecture
- Open-E helps to choose the best configuration and design for a new solution
- Consulting services that guide customers through the migration process

OPEN-E DSS v. 



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Thank You



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**Meet us at 20th-anniversary
edition of Cloudfest 2024,
March 18-21**

CLOUDFEST



Technology Alliances

Open-E is powered by:

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intel

 **SEAGATE**

ATTO
The Power Behind the Storage


Western Digital

KIOXIA

 **BROADCOM**

 **Microsemi**
a  **MICROCHIP** company

AIC

AMD

areca

CHENBRO

citrix



FUJITSU



IBM

 **Mellanox**
TECHNOLOGIES

 **Micron**

 **MARVELL**


QLOGIC

 **Microsoft**

SanDisk

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