

# Shift application performance to the fast lane

Enhance your SAN with Dell Connectrix MDS



## Business-critical workloads are growing

SAP®, Oracle®, Salesforce®, AI, GenAI and other enterprise workloads are jamming up SAN data pathways.

## 5.5 zettabytes

of enterprise data stored in 2025<sup>1</sup>

## 23% CAGR

for global data creation through 2025<sup>2</sup>

## 4X–10X more

storage capacity needed for AI<sup>3</sup>

## 30.9% CAGR

for enterprise storage systems through 2025<sup>1</sup>

## 3X growth

in demand for data center capacity by 2030<sup>4</sup>

As data-intensive applications increase in number, size and importance, reliable high-performance SAN infrastructure is crucial for enhancing your storage landscape.

## Accelerate application performance

Dell Connectrix MDS FC switches and 64G modules save space, energy and costs while delivering lightning-fast application responsiveness.

## 1 billion+

I/O operations per second across 48 switch ports<sup>5</sup>

## 4X faster than 16G

Improved application performance<sup>6</sup>

## 5:1

server consolidation when migrating from PowerEdge 14th generation to 16th generation<sup>6</sup>

## 64G performance

with 32G and 16G backwards compatibility

## Seamless integration

with the Dell Connectrix MDS 9700 chassis

## Eliminate slow drain issues

with dynamic ingress rate limiting (DIRL)



## Control SAN analytics effortlessly

## Unparalleled visibility

with a centralized, single sign-on performance dashboard

## Real-time

performance metrics, alerting and troubleshooting

## 70+ I/O metrics

at your fingertips

# Smarter decisions, faster applications and happier end users

Dell PowerEdge servers, along with Dell PowerStore and Dell PowerMax storage with Dell Connectrix MDS FC switches, give you the confidence to handle growing data demands, expand operations and support innovation without compromise.

[Read the blog](#)

<sup>1</sup> Storage Newsletter, [Total Enterprise Storage Systems Installed Base Expected to Grow at 30.9% CAGR between 2020–2025](#), September 2024.

<sup>2</sup> Global CIO, [Five Trends in Enterprise Data 2023](#), June 2023.

<sup>3</sup> CIO.com, [Storage: The unsung hero of AI deployments](#), July 2024.

<sup>4</sup> McKinsey & Company, [AI power: Expanding data center capacity to meet growing demand](#), October 2024.

<sup>5</sup> Cisco, [Cisco SAN Analytics and SAN Telemetry Streaming Solution Overview](#), April 2024.

<sup>6</sup> CPU and server consolidation savings: Source: Live Optics Server KPI Tool. R740 Intel® Xeon® Platinum 8253 2.2Ghz, 16C, 125W QTY 50 vs Intel Xeon Platinum 8471N 1.8Ghz, 52C, 300W, XCC. Results vary by CPU companies.