

Overview and Frequently Asked Questions Sun Storage 2500-M2 Arrays

Overview

Oracle's Sun Storage 2500-M2 Array is designed for customers within, or looking to move to, Oracle environments providing midrange features at an entry level price. It brings together the latest Fibre Channel (FC) and SAS2 technologies with Oracle's intuitive Sun Storage Common Array software to create a robust solution that's equally adept in a direct attach (DAS) or storage area network (SAN) for the small or midsize business or for integrating into an existing storage network within the enterprise. In addition, the 2500-M2's rugged design is perfect for customers such as Network Equipment Providers (NEP's) who are looking for a rugged NEBS level 3 certified design.



Customer Benefits

The Sun Storage 2500-M2 delivers exceptional value in the following ways:

- **FASTER AND EASIER DEPLOYMENTS IN ORACLE ENVIRONMENTS**
 - Optimized for Oracle environments reducing deployment times and risk
 - Supported by consistent storage management software (CAM) across Sun Storage 2500 and 6000 families
 - Reduced qualification efforts when upgrading from previous generation equipment
- **MIDRANGE PERFORMANCE AND FEATURES AT AN ENTRY LEVEL PRICE FOR ORACLE APPLICATIONS**
 - 2x performance from previous generation products with ASP <=15,000
 - Latest host interface technology (8Gbps FC and 6 Gbps SAS2)
 - Maximizes price/performance for Oracle applications
- **DESIGNED HIGH RELIABILITY AND AVAILABILITY EVEN IN THE MOST RUGGED ENVIRONMENTS**
 - NEBS level 3 compliant, which meets telecom and federal standards for ruggedization
 - Provides assurance of resiliency in most intense and harsh environments
 - AC and DC power supply options

Frequently Asked Questions

What 2500-M2 configurations are offered?

The Sun Storage 2500-M2 array provides 2 configurations, the 2540-M2 and 2530-M2:

- 2540-M2 has 4 ports 8Gbps FC host interface with option to upgrade to 8 ports
- 2530-M2 has 4 ports 6Gbps SAS2 host interface.

Both configurations provide fully redundant active-active controller architecture with 2GB of cache and dual power supply.

Both configurations can scale to 96 HDDs with additional drive enclosures (Sun Storage 2501-M2 array). Both configurations support up to seven 2501-M2 enclosures. Each 2501-M2 enclosure supports up to twelve 3.5" HDDs.

What host operating systems are supported?

- Oracle Solaris 10
- Oracle Enterprise Linux 6.0, 5.6, 5.5 (with Oracle Unbreakable Kernel)
- Oracle VM 2.2.2 (2540-M2 only)
- RedHat Enterprise Linux 6.0, 5.6, 5.5 (2530-M2 and 2540-M2)
- SuSe Enterprise Linux 11.1 and 10.4
- Windows 2003 SP2 R2 clustered and non-clustered
- Windows Server 2008 R2 SP1 clustered and non-clustered

What disk drives are qualified?

Currently, SAS2 300GB 3.5" 15K rpm and 600GB 3.5" 15K rpm drives are qualified.

Can I upgrade from the current 2500 to a Sun Storage 2500-M2?

No. The current 2500 product line is not compatible with the 2500-M2

What data services licenses are available for the 2500-M2:

Both the 2540-M2 and the 2530-M2 support the following optional data service licenses:

- Sun Storage Domain License: up to 32 (2 included)
- Sun Storage Snapshot License (with Snapshot Rollback): up to 128/array, 8/volume
- Sun Storage Volume Copy License: up to 255/array
- Sun Storage Performance Enhancer License: provides up to 50% performance increase (Base vs. Turbo)
-

How does the 2500-M2 "Turbo" performance compare to 2500, 2500-M2 base and 6180?

	Sun StorageTek 2500	Sun Storage 2500-M2 Base	Sun Storage 2500-M2 Turbo*	Sun Storage 6180
Performance - IOPS				
Cache Reads	104,000	140,000	170,000	200,000
Disk Reads	21,800	22,000	40,000	50,000
Disk Writes	4,700	5,000	10,000	9,500
Performance - Mbs				
Cache Reads	1,600	2,500	6,000	3,700
Disk Reads	940	2,000	4,000	1,600
Disk Writes	760	1,100	2,200	1,100

*Turbo performance requires Performance Enhancer Software

Where can I go for more information?

For more information please refer www.oracle.com



SUN STORAGE



Oracle is committed to developing practices and products that help protect the environment

Oracle Corporation

Worldwide Headquarters

500 Oracle Parkway
Redwood Shores, CA
94065
U.S.A.

Worldwide Inquiries

Phone
+1.650.506.7000
+1.800.ORACLE1

Fax
+1.650.506.7200

oracle.com

Copyright © 2011, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. UNIX is a registered trademark licensed through X/Open Company, Ltd. 1211