Sun Blade™ Storage Module M2
Frequently Asked Questions

Overview

Oracle's Sun Blade Storage Module M2 is a second generation direct attached shared storage blade that incorporates SAS-2 technology to offer better manageability and performance than the previous generation storage module. The M2 storage module features 8 front accessible and hot plug-able drives (up to 4.8 TB) that can be grouped together with the server modules to setup multiple zones. The M2 storage module leverages the highly available power, cooling and I/O infrastructure provided by the Sun Blade 6000 chassis.

Centralized Management and Dynamic Zoning

The Sun Blade Storage Module M2 is managed from a single point using an easy to use, intuitive graphical user interface (GUI) based management tool, the Sun Blade Zone Manager, a feature available in the Oracle Chassis Monitoring Module (CMM) Integrated Lights Out Manager (ILOM) software. For ease of management, the Sun Blade Zone Manager supports dynamic zoning by allowing users to quickly and easily group multiple Sun Blade server modules with multiple M2 storage modules to setup multiple zones. Zones help reduce the number of devices users have to manage within the Sun Blade 6000 chassis, and provide business and logical views.

Storage Pool for Rapid Scalability

The Sun Blade Storage Module M2 addresses the requirement for rapid storage scalability by providing up to 4.8 TB[1] of storage capacity. Users can install up to nine M2 storage modules in a Sun Blade 6000 chassis to create a storage pool with an unprecedented storage capacity of up to 43.2 TB[2] per chassis.

[1] 8x 600GB HDD
[2] 9x 4.8 TB per Sun Blade storage module

Customer Benefits

The Sun Blade Storage Module M2 provides the following key customer benefits.

Simplified and Advanced Management: The Sun Blade Storage Module M2 can be managed from a single point using the Sun Blade Zone Manager. The Sun Blade Zone Manager can be used to quickly group Sun Blade server modules and M2 storage modules into a same zone based on their business affiliations or logical dependencies. Zones simplify management by reducing the number of devices that need to be managed within the Sun Blade 6000 chassis. Zones are also pass-word protected to prevent them from being accessed by unauthorized users.

Simplified IT Infrastructure Integration: Enables all 3 tiers – servers, networking, and storage - to be consolidated and managed from a single point. This simplified management leads to a unique customer benefit.

Frequently Asked Questions

What is the Sun Blade Storage Module M2?

The Sun Blade Storage Module M2 is a direct attached shareable storage blade used within the Sun Blade 6000 Chassis. The Sun Blade Storage Module M2 has eight front-accessible, hot-pluggable drives. The Sun Blade Storage Module M2 supports storage zoning and provides rapid storage scalability.

What is new in the Sun Blade Storage Module M2 compared to the Sun Blade 6000 Disk Module?

The Sun Blade Storage Module M2 has the following new features:

- Dynamic Zoning (allows grouping of multiple Sun Blade Server Modules with multiple M2 storage modules to setup multiple zones)

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- Sun Blade Zone Manager (a feature available in the CMM ILOM)
- SAS-2 support
- Installation of up to nine M2 storage modules in a Sun Blade 6000 chassis without any placement restrictions

Which Sun Blade server modules are supported?

Initially, the following Sun Blade server modules are supported:

- Sun Blade X6270 M2 Server Module
- SPARC T3-1B Server
- Sun Blade T6320 Server Module
- Sun Blade T6340 Server Module

What is required in the Sun Blade Server Module(s) in order to communicate with the Sun Blade Storage Module M2?

The Sun Blade Server Modules require a SAS-2 RAID Expansion Module in order to communicate with the Sun Blade Storage Module M2.

Which Sun Blade chassis is supported?

The Sun Blade Storage Module M2 requires the Sun Blade 6000 chassis with Gen 2 midplane.

Is Network Express Module required in the chassis?

Yes, the following Network Express Modules are supported with the Sun Blade Storage Module M2: 1) Sun Blade 6000 Virtualized Multi-Fabric 10GbE M2 Network Express Module, and 2) the Sun Blade 6000 Ethernet Switched Network Express Module 24p 10GE.

Which hard disk drives (HDDs) are supported in the Sun Blade Storage Module M2?

The following HDDs are currently supported:

- 300GB, 10,000 RPM SAS HDD
- 600 GB, 10,000 RPM SAS HDD

What are Zones?

Zones enable simplified management and provide better security within the Sun Blade 6000 Modular System. Users can setup multiple zones by grouping Sun Blade server modules and M2 storage modules with similar business affiliation or logical dependencies into the same zone. By setting up zones, users can reduce the number of devices that need to be managed within the Sun Blade 6000 chassis. Zones are also password protected to prevent them from being accessed by unauthorized users.

How is the Sun Blade Storage Module M2 managed, and how do you set up zones?

The Sun Blade Storage Module M2 is managed using the Sun Blade Zone Manager, a feature available in the Oracle CMM ILOM software. Using the Sun Blade Zone Manager, users can quickly and easily construct multiple zones. Matching of resources can be as granular as connecting individual storage drives to specific server modules.

Which operating systems will be supported by the Sun Blade Storage Module M2?

The Sun Blade Storage Module M2 supports the following operating systems running on supported server modules:

- Oracle Enterprise Linux
- Oracle Solaris
- SuSE Linux Enterprise Server
- Red Hat Enterprise Linux
- Windows Server
- VMware

Where can I get the product downloads?

For downloads, please go to https://support.oracle.com.

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Is there a choice in system configurations?

Yes, the Sun Blade Storage Module M2 can be fully customized to the configuration specified by the customer through our Assembled to Order (ATO) process.

What availability and serviceability features are supported in the Sun Blade Storage Module M2?

The Sun Blade Storage Module M2 is front-accessible and hot-pluggable. The drives in the M2 storage module are also front-accessible and hot-pluggable.

Where can I find more information about the Sun Blade Storage Module M2 and other Sun Blade Modular System offerings?

You can contact your Oracle sales representative directly or call 1-800-Oracle1.

In addition, more information about the Sun Blade Storage Module M2 and the Sun Blade 6000 Modular Systems can be found on the blades product pages at http://www.oracle.com/goto/blades. Please download the architecture white paper titled “Sun Blade 6000 Modular Systems from Oracle,” located at the same blades landing page.

The data sheet for the Sun Blade Storage Module M2 can be found at its product page linked from the bottom of the blades page at http://www.oracle.com/goto/blades

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