



LSI Storage Authority

ThinkSystem storage controller Web-based management tool



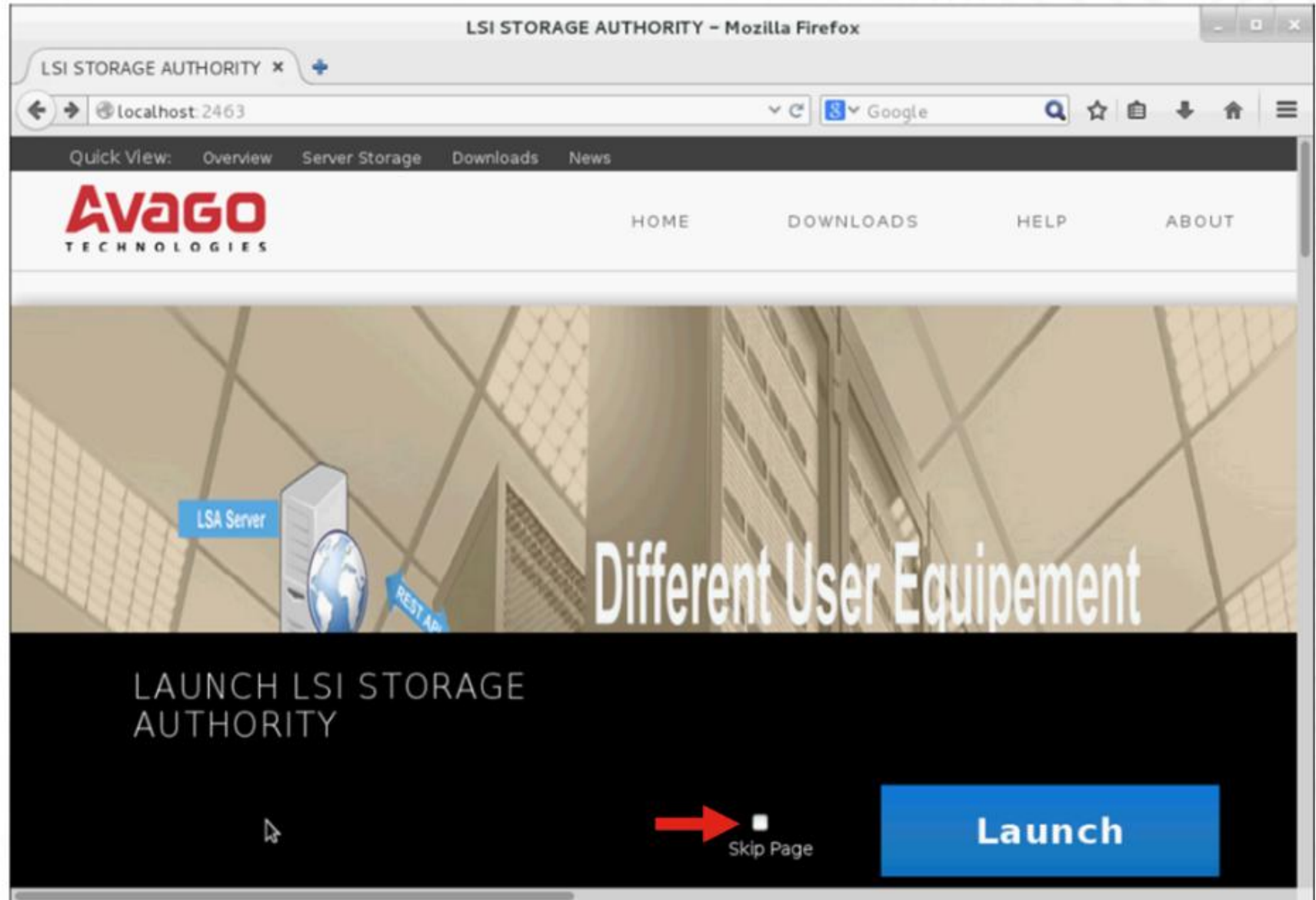
LSI Storage Authority overview

The LSI Storage Authority (LSA) is a Web-based application that replaces MegaRAID Storage Manager (MSM) as a new management tool for the ThinkSystem hardware RAID and HBA controllers. It enables multiple users to perform monitoring, maintaining, troubleshooting, and configuration functions for the ThinkSystem hardware RAID controllers.

- The layout is new and does not need Java.
- Everything you could do with MSM can be done with LSA.
- Remote management concepts are the same. Supports four types of installers.
 - Gateway, Standalone, DirectAgent, Lightweight Monitor (LWM)
- The method is different: OpenSLP replaces OpenPegasus
 - Before installing the LSI Storage Authority Software, make sure that OpenSLP Version 2.0.0 is installed on your system.
- Default address of server is: localhost:2463

LSA GUI launch sequence

Users will see a launch page when LSA is first accessed. This can be disabled for future use if you select **Skip Page**.



Layout comparison between LSA and MSM – Inventory

MSM

The screenshot shows the MegaRAID Storage Manager (MSM) v16.02.00.01 - Host View interface. The top bar features the Avago logo. Below it, the 'Server Details' section contains instructions: 'This page displays all the servers that were discovered. Choose a server and click on login to start managing that server. You will be prompted for entering host credentials while logging in.' and 'Use Configure Host to configure the hosts that you want to view.' There is a 'Use LDAP Login' checkbox and a plus icon. Below this is an 'IP Address' field with '127.0.0.1' and buttons for 'Discover Host', 'Stop Discovery', and 'Configure Host...'. The 'Remote servers:' section contains a table with the following data:

Host	IP Address	Operating System	Health
localhost	127.0.0.1	Linux	Optimal

At the bottom left, there is a magnifying glass icon and a status bar that reads '1 Server(s) found. Discovery completed.'

LSA

The screenshot shows the 'Remote Server - Mozilla Firefox' interface. The top bar features the Avago LSI Storage Authority logo. Below it, the 'Remote Server Discovery' section contains a search bar and buttons for 'Windows', 'Linux', and 'ESXi'. The main content area displays a server card for '172.22.247.237' with a green checkmark, OS Name: Linux, OS Arch: x64, and Server ID: 40:f2:e9:30:03:f4. There is a 'Login' button. To the right, the 'Actions' section contains 'Re-Discover Servers', 'Go To - Manage Server', and 'Page'. The bottom status bar shows the URL: 'localhost:2463/ui/core/index.html?locale=en&serverID=/LSI/Storage/MR/AP...f4&serverDetail=/lsi/storage/mr/api/1.0/serverdetail/40f2e93003f4'.

Layout comparison between LSA and MSM – Login page

MSM



The MSM login page is a window titled "Enter User Name & Password" with a blue header bar. It features the Avago logo in red. The form includes fields for "Server" (127.0.0.1), "User Name", "Password", and a "Login Mode" dropdown menu set to "Full Access". A "Login" button and a "Cancel" button are at the bottom. A help icon is visible next to the instruction text.

Enter User Name & Password

Avago

Server : 127.0.0.1

Use your Operating System's login username and password to login the MSM server

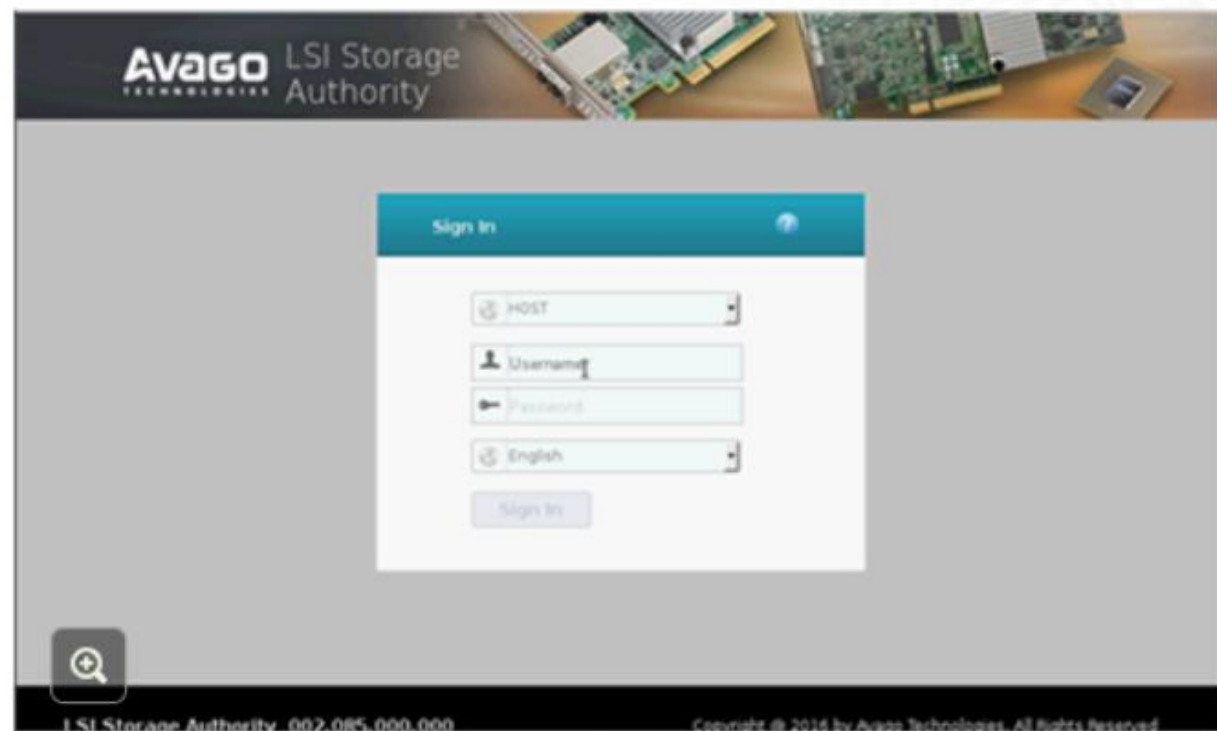
User Name:

Password:

Login Mode: Full Access

Login Cancel

LSA



The LSA login page has a dark header with the Avago logo and "LSI Storage Authority" text. It features a "Sign In" dialog box with a teal header. The dialog contains fields for "HOST", "Username", "Password", and a language dropdown set to "English". A "Sign In" button is at the bottom of the dialog. The background shows a server rack and circuit boards.

Avago LSI Storage Authority

Sign In

HOST

Username

Password

English

Sign In

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Layout comparison between LSA and MSM – Dashboard

MSM

MegaRAID Storage Manager - v16.02.00.04

Manage Go To Log Tools Help

Welcome: root [Full Access] Log Off

Dashboard Physical Logical

Controller2: N2225 HBABus 32, Dev 08 Controller3: ServerRAID N2225Bus 18, Dev 08 Controller4: ServerRAID N2225Bus 18, Dev 08
Controller5: ServerRAID M5210eBus 17, Dev 0, Domain 08 Controller1: N2215 HBABus 27, Dev 08

Properties

- Status: Optimal
- Enclosures: 0
- Backplanes: 1
- Drives: 1
- Drive groups: 1
- Virtual Drive(s): 1

Usage

100% Total capacity: 278.465 GB
Configured Capacity: 278.465 GB
Unconfigured Capacity: 0 Bytes

Background Operations

Virtual Drive

Drive Operations

Backup/Restore

MegaRAID Advanced Software Options

MegaRAID Advanced Software Options

Actions

Create virtual drive

Help

How to use MSM

ID	Error Level	Date / Time	Description
10000	Information	2017-06-12, 08:58:26	Successful log on to the server User: root, Client: 127.0.0.1, Access Mode: Full, Client Time: 2017-06-12, 08:58:26
44	Information	2017-06-12, 08:38:10	Controller ID: 0 Time established since power on: Time: 2017-06-12, 08:38:10 3348056 Seconds
0	Information	1.358 seconds from ...	Controller ID: 4 Firmware initialization started: (PCI ID: 0x977 0x1000/0x4c8 / 0x1014)
0	Information	1.357 seconds from ...	Controller ID: 3 Firmware initialization started: (PCI ID: 0x977 0x1000/0x4c8 / 0x1014)
0	Information	1.405 seconds from ...	Controller ID: 5 Firmware initialization started: (PCI ID: 0x977 0x1000/0x4c8 / 0x1014)

Displaying log from server

LSA

Server - Mozilla Firefox

localhost:2463/ai/server/index.html?locale=en&ServerURL=/ai/storage/megaapi/1

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Select Controller root

5 Controllers on this server OS Linux 3.10.0-229.el7.x86_64

View All Controllers Download Server Report

5 Controllers are Optimal

Controller ID: 0 ServerRAID M5210e Bus 17 Dev 0

1 Drive Groups, 1 Virtual Drives, 1 Physical Drives

Configured Capacity 278.465 GB of 278.465 GB

Serial No Y031B036L858 SAS Address 0x5005076058400401 Driver Version 06.805.06.03-r1.1

Actions

- View Event Log
- Download Diagnostics
- Configure
- Update Firmware

1 Background Processes in Progress

Pause Patrol Read | Abort Patrol Read