

ASM MediaStor 5.2 Quick Reference Hardware & Media Status Legend Library Media Status Definitions

Hardware and Media Status (Identified by the label color of the object)

Color	Status	Color	Status
Black	Online and available (not running a task)	Yellow	Offline
Green	Online and busy (running a task)	Red	Error

Library Media Status (Right-click a library and select Manage Media)

Status	Meaning	Status	Meaning
Online	Media is in device.	Compact in Progress	Media is being compacted.
Error	Media error occurred.	Compact Failed	Media compaction failed.
Format Pending	Media is scheduled for format.	Library Inventory Pending	Library requires inventory of shelves.
Format In Progress	Media is being formatted.	Library Inventory in Progress	Library is being inventoried.
Format Failed	Media format was unsuccessful.	Library Inventory Failed	Library inventory was unsuccessful.
Label Pending	Media is scheduled to be labeled.	Mount/Dismount	Media is being moved from shelf to drive or drive to shelf.
Label in Progress	Media is being labeled.	Unassigned	Media has not been allocated to an extended drive (application).
Label Failed	Media label unsuccessful.	Unlabeled	Formatted but unlabeled media.
Restore Pending	Media files are scheduled for restore to media folder.	Foreign	Media is of an unrecognized type or format.
Restore in Progress	Media files are being restored to a media folder.	Unformatted	Media type is recognized but media is not formatted.
Restore Failed	Media restore was unsuccessful.	Library Inventory Unknown	An error has occurred; the shelf should be re-inventoried.
Prefetch Pending	Media files are scheduled for prefetch.	Copy	Media is a copy of a piece of Original media.
Prefetch in Progress	Media files are being prefetched.	Offline	Media is not in a library or drive or drive has been set offline
Prefetch Failed	Media prefetch failed.	Duplicate	Media is a duplicate.
Compact Pending	Media is scheduled for compaction.	Unknown	Media type is unknown.

This card is designed to provide quick reference information to experienced administrators and is *not* intended to take the place of the *MediaStor System Guide*.

ASM MediaStor 5.2 Quick Reference Administrator Toolbar Buttons Service, Drive & Media Properties

MediaStor Administrator Toolbar Buttons

Button	Function	Button	Function
	Connects to the registered MediaStor computer listed in the Computer Selection box.		Displays a dialog box allowing you to create a new object of the type currently selected.
	Disconnects from the current MediaStor computer.		Deletes or removes the selected object.
	Opens the MediaStor Service Manager.		Displays the Properties dialog box for the selected object.
	Opens the Register Computers dialog box, which allows you to register other MediaStor computers for remote administration.		
Computer: <input type="text" value="(Local)"/>		Provides a drop-down list of registered MediaStor computers, which you can connect to and remotely administer.	

MediaStor Service Properties (Select Properties from the Service menu)

Tab	Information
General	Provides the name of the MediaStor computer, the installation date and the version currently installed.
Alerts	Interface for setting up notification of service errors and warnings to be sent to selected recipients.

Drive Properties (Right-click a device drive and select Properties)

Tab	Information
General	Provides device and configuration information for the selected drive.
Media	Provides identification and status information for media (only appears if selected drive contains media).
Statistics	Provides mount, error, and I/O information for the selected drive.

Media Properties (Right-click a piece of media and select Properties)

Tab	Information
General	Provides identification, status, attributes, and description (editable) information for the selected media.
Location	Provides physical device, media pool, and offline (editable) location information for the selected media.
Space	Provides physical and logical capacity information for the selected media.
Statistics	Provides mount, I/O and error information for the selected media.

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Adding a Library

- 1 Right-click on the Hardware node and click New from the shortcut menu.
- 2 Select the Library option and click Next.
- 3 Highlight the library you want to add and click Next. If you are adding a Serial Library, be sure to enable the Show Serial Devices checkbox at the bottom of the Device List to ensure serial devices are listed.
- 4 Enter a Name for the Library (used only for user interface purposes) and select the File System for the Library from the drop-down list. Enable or disable the Set this device online when the service starts option. Click Next.
- 5 If you are adding a SCSI library, skip to step 7.
- 6 If you are adding a Serial library, select the appropriate COM port through which the serial library will be connected to the MS computer. If applicable, select the Device ID for the RS-232 interface. Click Next.
- 7 If you are adding a SCSI library and want to add and configure drives automatically, click Auto Config. Then go to step 11. If you are adding a serial library, or adding SCSI library drives manually click Add.
- 8 Highlight the drive(s) to be added (and any reserved drives necessary) and click OK.
- 9 If necessary, re-order the drives in the Drives list, by highlighting a drive and clicking on the up or down arrows located to the right of the Drives list. Drives must appear in the same order in which they exist in the library.
- 10 When drives have been added, you may test the configuration by clicking Test Config (optional step).
- 11 To configure/change drive activation settings, highlight a drive from the Drives list and click on the Set drive online when library is set online checkbox to enable or disable this option for the selected drive. All drives are set online by default.
- 12 When all appropriate drives (including reserved drives) are listed and configured correctly, click Next.
- 13 Configure Auto Clean options or disable as appropriate. Click Next.
- 14 Configure drive options and click Finish. You may be prompted to restart the MediaStor computer.

Library Properties (Right-click the library and select properties)

Tab	Information/Options
General	Provides device name, type, file system, status, and configuration information for the library.
Auto Clean	Allows for enabling or disabling automatic drive cleaning for the library. Auto Clean setup allows for configuration of cleaning frequency based on specified read and/or write activity, and provides for identification of which library shelf contains the cleaning cartridge to be used.
Options	Contains two options: <ul style="list-style-type: none"> • Idle drive dismount allows for media to be removed from library drives after a specified idle time. • Maximum shelves to use for inventory allows for limitation of library shelves to hold DX-specific media.
Statistics	Provides media mount, hardware error, and total I/O information for the selected library's drives.

Adding a Tower

- 1 Right-click on the Hardware node and click New from the shortcut menu.
- 2 Select the Tower option and click Next.
- 3 Enter a Name for the Tower (used only for user interface purposes) and select the type of media for the tower. This will determine what File System will be used for the media in the tower. Enable or disable the Set this device online when the service starts option. Click Next.
- 4 Click Add.
- 5 From the list that appears, highlight the drives to be added and click OK.
- 6 If necessary, re-order the drives in the Drives list, by highlighting a drive and clicking on the up or down arrows located to the right of the Drives list. Drives must appear in the same order in which they exist in the library.
- 7 To configure/change drive activation settings, highlight a drive from the Drives list and click on the Set drive online when library is set online checkbox to enable or disable this option for the selected drive. All drives are set online by default.
- 8 When all appropriate drives are listed and configured correctly, click Finish. You may be prompted to restart the MediaStor computer.

Tower Properties (Right-click the tower and select Properties)

Tab	Information/Options
General	Provides device name, type, file system, status and configuration information for the tower.

Adding a Standalone Drive

- 1 Right-click on the Hardware node and click New from the shortcut menu.
- 2 Select the Standalone drive option and click Next.
- 3 Highlight the Standalone drive you want to add and click Next.
- 4 Enter a Name for the drive (used only for user interface purposes) and select the File System to be used for the drive from the drop-down list. Enable or disable the Set this device online when the service starts option.
- 5 Click Finish.

Standalone Drive Properties (Right-click the drive and select Properties)

Tab	Information
General	Provides device name, file system, status, and configuration information for the standalone drive.
Media	Provides identification and status information for media (only appears if selected drive contains media).
Statistics	Provides mount, error, and I/O information for the selected drive.