

IBM FAStT Storage Manager Script Commands

Production Release 7.x

Production Release 8.x

Revision Level 1.0

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Revision History

This document describes the valid script commands supported on storage subsystems running various controller firmware levels.

*required parameter

Revision History

03/25/02	Revision Level 0.0	Initial draft of the Script document
07/23/02	Revision Level 0.1	Make updates to reflect bug fixes made in Storage Manger 8.21. - Added comment that Logical Drive Distribution option showing the storage subsystem command does not work.

Command Syntax	Parameter(s)	Parameter Values (Fixed value choices are shown below, for more information see online help)	Supported on storage subsystems running firmware 4.01.xx (IBM FASTT Storage Manager 7.10)	Supported on storage subsystems running firmware 5.00.xx (IBM FASTT Storage Manager 8.00)	Supported on storage subsystems running firmware 5.2x.xx (IBM FASTT Storage Manager 8.2x)	Notes
create logicalDrive			Yes	Yes	Yes	
	*userLabel		Yes	Yes	Yes	
	*array=[array number] OR drive or drives=[drive list] OR driveCount =[number of drives]		No	No	Yes	New syntax for creating a logical drive starting with Storage Manager 8.20. Corrections to the syntax described in the Storage Manager 8.2x online help.
	*array [array number] OR drive or drives <drive list> OR driveCount [number of drives]		Yes	Yes	Yes	Deprecated syntax starting with Storage Manager 8.20. Not described in the online help for Storage Manager 8.2x
	enforceSoftLimit	true or false	No	No	Yes	This keyword only applies to IBM FASTT F500 Storage Subsystem. The default parameter value is true.
	capacity		Yes	Yes	Yes	
	owner	a OR b	Yes	Yes	Yes	
	RAIDLevel	0, 1, 3, or 5	Yes	Yes	Yes	
	readAheadMultiplier		No	Yes	Yes	
	segmentSize		Yes	Yes	Yes	
	usageHint	fileSystem, dataBase, or multiMedia	Yes	Yes	Yes	
	mapping	default or None	Yes	Yes	Yes	
create FlashCopylogicaldrive			No	Yes	Yes	
	*baselogicaldrive		No	Yes	Yes	

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	*repositoryarray=[array number] OR repositoryDriveCount = <number of drives> OR repositoryDrives = <drivelist>		No	Yes	Yes	
	userLabel		No	Yes	Yes	
	repositoryUserLabel		No	Yes	Yes	
	repositoryRAIDLevel	0, 1, 3, or 5	No	Yes	Yes	
	warningThresholdPercent		No	Yes	Yes	
	repositoryPercentofBase		No	Yes	Yes	
	repositoryFullPolicy	failBaseWrites or failFlashCopy	No	Yes	Yes	
create hostGroup			No	No	Yes	This syntax was introduced in Storage Manager 8.00 but was not supported or documented until Storage Manager 8.2x. The command may work with some subset of possible parameters settings in Storage Manager 8.00. However, it was not tested or supported in Storage Manager 8.00.
	*userLabel		No	No	Yes	
create host			No	No	Yes	
	*userLabel		No	No	Yes	
	hostGroup		No	No	Yes	
create hostPort			No	No	Yes	
	*host		No	No	Yes	
	*userLabel		No	No	Yes	
	*identifier		No	No	Yes	
	*hostType		No	No	Yes	
create mapping			No	Yes	Yes	
	*logicalDrive		No	Yes	Yes	
	*logicalUnitNumber		No	Yes	Yes	
	host		No	Yes	Yes	
	hostGroup		No	Yes	Yes	

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delete array			Yes	Yes	Yes	
	*[array number]		Yes	Yes	Yes	
delete logicalDrive			Yes	Yes	Yes	
	*["logical drive label"]		Yes	Yes	Yes	
delete hostGroup			No	No	Yes	This syntax was introduced in Storage Manager 8.00 but was not supported or documented until Storage Manager 8.2x.
	*["group label"]		No	No	Yes	
delete host			No	No	Yes	
	*["host label"]		No	No	Yes	The command may work with some subset of possible parameters settings in Storage Manager 8.00. However, it was not tested or supported in Storage Manager 8.00.
delete hostPort			No	No	Yes	
	*["port label"]		No	No	Yes	
delete mapping			No	Yes	Yes	
	*logicalDrive		No	Yes	Yes	
	host		No	Yes	Yes	
	hostGroup		No	Yes	Yes	
disableFlashCopy logicalDrive			No	Yes	Yes	
	*["logical drive label"]		No	Yes	Yes	
download storagesubsystem			No	Yes	Yes	
	*file		No	Yes	Yes	
	*content		No	Yes	Yes	
		firmware	No	Yes	Yes	
		NVSRAM	No	Yes	Yes	
		featureKey	No	Yes	Yes	

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	firmwareFile		Yes	Yes	Yes	Script commands are not supported on storage subsystems with firmware 4.00.02.xx and older (IBM FASTT Storage Manager 7.0 or older)
	NVSRAMFile		Yes	Yes	Yes	This syntax was deprecated in Storage Manager 8.00. It is not described in the Storage Manager 8.00 or 8.2x online help.
download drive			No	No	Yes	
	*[tray, slot]		No	No	Yes	
	*file		No	No	Yes	
	*content	*firmware	No	No	Yes	
download tray			No	No	Yes	This command is incorrectly documented in the Storage Manager 8.2x online help as “download enclosure”. Use download tray instead.
	*[trayID]		No	No	Yes	
	*file		No	No	Yes	
	*content	*firmware	No	No	Yes	
on error			Yes	Yes	Yes	
	stop		Yes	Yes	Yes	
	continue		Yes	Yes	Yes	
recreateFlashCopy logicalDrive			No	Yes	Yes	

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	*["logicaldrivelabel"]		No	Yes	Yes	
	warningThresholdPercent		No	Yes	Yes	This parameter was not described in the online help for Storage Manager 8.00 or Storage Manager 8.20. It is documented in the online help for Storage Manager 8.21 or later.
	repositoryFullPolicy	failBaseWrites or failFlashCopy	No	Yes	Yes	This parameter was not described in the online help for Storage Manager 8.00 or Storage Manager 8.20. It is documented in the online help for Storage Manager 8.21 or later.
	userLabel		No	Yes	Yes	This parameter was not described in the online help for Storage Manager 8.00 or Storage Manager 8.20. It is documented in the online help for Storage Manager 8.21 or later.
reset controller			No	No	Yes	
	*[controller-spec]	a OR b	No	No	Yes	
reset storagesubsystem			No	No	Yes	This syntax was introduced in

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	*logicalDriveDistribution		No	No	Yes	Script commands are not supported on storage subsystems with firmware 4.00.02.xx and older (IBM FASTT Storage Manager 7.0 or older) Storage Manager 8.00 but was not supported or documented until Storage Manager 8.20 or later. The command may work in Storage Manager 8.00. However, it was not tested or supported in Storage Manager 8.0.
set storagesubsystem			Yes	Yes	Yes	
	batteryInstallDate	true	Yes	Yes	Yes	
	cacheBlockSize		Yes	Yes	Yes	
	cacheFlushStart		Yes	Yes	Yes	
	cacheFlushStop		Yes	Yes	Yes	
	mediaScanRate		Yes	Yes	Yes	
	userLabel		Yes	Yes	Yes	
	resetConfiguration	true	Yes	Yes	Yes	
	timeOfDay	true	Yes	Yes	Yes	
	clearEventLog	true	Yes	Yes	Yes	
	password		Yes	Yes	Yes	
	RLSBaseline	currentTime	No	Yes	Yes	
	defaultHostType		No	Yes	Yes	
set controller				Yes	Yes	
	*[controller-spec]	a OR b		Yes	Yes	
	mode		Yes	Yes	Yes	This parameter was deprecated in Storage Manager 8.00. The
		active	Yes	Yes	Yes	

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		passive	Yes	No	No	“passive” value for this parameter is not supported starting with Storage Manager 8.00.
	availability	online OR offline	Yes	Yes	Yes	
	batteryInstallDate	true	Yes	Yes	Yes	Instead of being described in the online help for Storage Manager 7.10, this parameter was described in the Product Release Notes. This parameter is described in Storage Manager 8.00 and 8.2x online help.
	GlobalNVSRAMByte[nvsram-offset]		Yes	Yes	Yes	
	HostNVSRAMByte [host-type, nvsram-offset]		Yes	Yes	Yes	
	NVSRAMByte [nvsram-offset]		Yes	Yes	Yes	This is deprecated syntax starting with Storage Manager 7.10.
set array			Yes	Yes	Yes	
	*[array number]		Yes	Yes	Yes	
	owner	a OR b	Yes	Yes	Yes	
set logicalDrive			Yes	Yes	Yes	
	*[logical drive label]		Yes	Yes	Yes	
	owner	a OR b	Yes	Yes	Yes	
	readCacheEnabled	true OR false	Yes	Yes	Yes	
	writeCacheEnabled	true OR false	Yes	Yes	Yes	
	mirrorEnabled	true OR false	Yes	Yes	Yes	
	cacheWithoutBatteryEnabled	true OR false	Yes	Yes	Yes	
	cacheFlushModifier		Yes	Yes	Yes	

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	readAheadMultiplier		Yes	Yes	Yes	
	mediaScanEnabled	true OR false	Yes	Yes	Yes	
	redundancyCheckEnabled	true OR false	Yes	Yes	Yes	
	modificationPriority	lowest, low, medium, high, or highest	Yes	Yes	Yes	
	userLabel		Yes	Yes	Yes	This parameter was not documented in the online help for Storage Manager 7.10. It is documented in the online help for Storage Manager 8.00 and 8.2x.
	warningThresholdPercent		No	Yes	Yes	
	repositoryFullPolicy	failBaseWrites or failFlashCopy	No	Yes	Yes	
	role					
		primary OR secondary	No	No	Yes	
		force=<true OR false>	No	No	Yes	This parameter was not documented in the online help for Storage Manager 8.20. It is documented in the online help for Storage Manager 8.21 or later.
set performanceMonitor			No	No	Yes	
	*interval		No	No	Yes	

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	*iterations		No	No	Yes	
set drive (OR set drives)			Yes	Yes	Yes	
	*[drive list]		Yes	Yes	Yes	
	hotspare	true OR false	Yes	Yes	Yes	
	operationalState	failed OR optimal	No	No	Yes	
show storagesubsystem			Yes	Yes	Yes	
	batteryAge		Yes	Yes	Yes	
	healthStatus		Yes	Yes	Yes	
	profile		Yes	Yes	Yes	
	hostTypeTable		Yes	Yes	Yes	
	defaultHostType		No	Yes	Yes	
	logicalDriveDistribution		No	No	No	This command is currently not supported.
	preferredVolumeOwners		No	No	Yes	This command is incorrectly documented in the Storage Manager 8.2x online help as “preferredLogicalDriveOwners”. Use preferredVolumeOwners instead.
show controller			Yes	Yes	Yes	
	*[controller-spec]	a OR b	Yes	Yes	Yes	
	mode		Yes	Yes	Yes	

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	GlobalNVSramByte[nvsram-offset]		Yes	Yes	Yes	
	HostNVSramByte[host-type, nvsram-offset]		Yes	Yes	Yes	
	NVSramByte [nvsram-offset]		Yes	Yes	Yes	
show logicalDrives			No	Yes	Yes	
	logicalDrive ["logicaldrive label"]		No	Yes	Yes	
show hostTopology			No	No	Yes	
show <string>			Yes	Yes	Yes	
start increaseVolCapacity			No	Yes	Yes	
	logicalDrive="logical drive label"		No	Yes	Yes	
	incrementalCapacity		No	Yes	Yes	This parameter was not described in the online help for Storage Manager 8.00 or Storage Manager 8.20. It is documented in the online help for Storage Manager 8.21 or later.
	drive or drives=[drive list]		No	Yes	Yes	
upload storageSubsystem			No	Yes	Yes	
	*file		No	Yes	Yes	
	*content		No	Yes	Yes	

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		RLSCounts	No	Yes	Yes	
		configuration	No	No	Yes	
		performanceStats	No	No	Yes	
		allEvents	No	No	Yes	
		criticalEvents	No	No	Yes	
		stateDump	No	No	Yes	
use password			Yes	Yes	Yes	
	*<"password">		Yes	Yes	Yes	