Current SeaChest Utilities blockpoint release: 10-June-2019

Current SeaCLibs libraries release: 1_19_23 (10-June-2019)

This background color indicates commands with some amount of data erasure.

Interim release dates:

Features	Options	Basics v2.8.0	Configure v1.17.0	Erase v2.0.1	Fimrware v2.7.0	Format v1.4.0	GenericTests v1.8.0	Info v1.5.0	Lite v1.2.0	NVMe v1.0.0	PowerControl v1.10.0	Security v2.0.1	SMART v1.12.0	Constraints
--abortDST		x											x	
--abortIDD													x	Seagate only
--activateFW		x			x									Seagate only
--active											x			
--ataSecFreeze												x		SATA only
--ataSATsecurityProtocol	enable | disable			x								x		SATA only
--ataSecPassword	"ASCII password" | SeaChest | empty			x								x		SATA only
--ataSecPassType	user | master			x								x		SATA only
--ataSecPWMod	byteswapped | zeropad | spacepad | fpad | leftAlign | rightAlign | uppercase | lowercase | invertcase			x								x		SATA only
--ataSecureErase	normal | enhanced			x								x		SATA only Seagate only
--ataSecurityInfo												x		SATA only
--bufferTest							x							
--butterflyTest							x							
--calculateFileHash	fwfilename				x									
--captive													x	
--changePower											x			
--checkPowerMode		x								x	x			
--clearPciErr										x				NVMe only
--confirm	I-understand…	x	x				x		x			x	x	
--conveyanceDST													x	
--csmiInfo								x						Windows only
--defaultMode											x			
--defectFormat	shortBlock | 0, xbfi | 1, xchs | 2, longBlock | 3, bfi | 4, chs | 5							x					x	SAS only
--deviceStatistics								x						
--diameterTest	O | M | I						x							
--diameterTestRange	LBA count						x							
--disableAPM											x			SATA only
--disableATASecPW												x		SATA only
--disableCertification						x								SAS only
--disableDataLocking												x		Seagate only
--disableMode											x			

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--disablePrimaryList						x								SAS only
--discardGList						x								SAS only
--disableImmediateResponse						x								SAS only
--displayLBA	LBA | maxLBA	x		x		x						x		
--downloadFW	fwfilename	x			x				x	x				Seagate only
--downloadMode	immediate segmented deferred activate	x			x					x				Seagate only
--dstAndClean													x	
--enableMode											x			
--EPCfeature	enable | disable										x			
--errorLimit	number						x						x	
--extSmartLog										x				NVMe only
--fastFormat	mode		x			x								SAS only Seagate only
--firmwareSlot	slot#				x					x				
--forceFWDLPassthrough					x									Seagate only
--foreground													x	
--formatUnit	current new sector size		x			x								SAS only Seagate only
--fwBufferID	slot#				x					x				
--fwdlConfig	config filename				x									Seagate only
--fwdlDryRun					x									
--fwdlInfo					x									
--fwdlPort	lock | unlock											x		Seagate only
--fwdlSegSize	number				x					x				Seagate only
--genericMode	read write (Seagate only) verify						x							Seagate only on write option
--getFeatures	help | list | #									x				NVMe only
--getLogPage	Error | SMART | FWSlots | SuppCmds | SelfTest | #									x				NVMe only
--getTelemetry	host | ctrl									x				NVMe only
--hideLBACounter		x		x		x								
--hours	hours	x		x		x								
--idd	short | long												x	SATA only Seagate only
--idle											x			
--idleUnload											x			
--ieee1667Port	lock | unlock											x		Seagate only
--longDST													x	

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--longGeneric							x							
--lowCurrentSpinup	low | ultra | disable		x											SATA only Seagate only
--minutes	minutes	x		x			x							
--modeTimer	milliseconds										x			
--newFW	fw rev				x									
--nvmFmtMetadataSet	xlba | separate					x				x				NVMe only
--nvmFmtMS	# of bytes					x				x				NVMe only
--nvmFmtNSID	all | current					x				x				NVMe only
--nvmFmtPI	0 | 1 | 2 | 3					x				x				NVMe only
--nvmFmtPIL	beginning | end					x				x				NVMe only
--nvmFmtSecErase	none | user | crypto					x				x				NVMe only
--nvmFormat	current | format # | sector size					x				x				NVMe only
--outputMode	raw | binary									x				NVMe only
--overwrite	starting LBA | maxLBA	x		x										Seagate only
--overwriteRange	LBA count	x		x										Seagate only
--pattern	repeat, random, increment, file			x		x								Seagate only
--pciStats										x				NVMe only
--performQuickestErase				x										Seagate only
--phySpeed	0 | 1 | 2 | 3 | 4 | 5	x	x											Seagate only
--pin11	on | off | default	x	x											SAS only
--poll		x	x						x				x	
--powerBalanceFeature	info, enable, disable										x			SATA only Seagate only
--powerMode	power mode										x			
--progress	dst, sanitize, format, idd	x	x						x				x	
--protectionIntervalExponent	exponent value					x								SAS only
--protectionType	0 | 1 | 2 | 3					x								SAS only
--provision	newMaxLBA maxLBA	x	x											Seagate only
--psid	DrivePSID			x								x		Seagate only
--puisFeature	enable | disable		x											SATA only Seagate only
--randomTest							x							
--readLookAhead	info, enable, disable	x	x											
--readyLED	info | on | off | default	x	x											SAS only
--removePhysicalElement	element #			x										Seagate only
--repairAtEnd							x							Seagate only
--repairOnFly							x							Seagate only
--restoreMaxLBA		x	x											
--revert				x								x		Seagate only

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SEAGATE

Features	Options	Basics v2.8.0	Configure v1.17.0	Erase v2.0.1	Fimrware v2.7.0	Format v1.4.0	GenericTests v1.8.0	Info v1.5.0	Lite v1.2.0	NVMe v1.0.0	PowerControl v1.10.0	Security v2.0.1	SMART v1.12.0	Constraints
--revertSP				x								x		Seagate only
--sanitize	info blockerase cryptoerase overwrite freezelock antifreezelock			x										Seagate only
--sasPhy	identifier value	x	x											
--sataDAPSfeature	info, enable, disable										x			SATA only
--sataDIPMfeature	info, enable, disable										x			SATA only
--scsiLPReset	cumulative | threshold | defCumulative | defThreshold | all		x											SAS only Seagate only
--scsiLPResetPage	page# | page-subpage#		x											SAS only Seagate only
--scsiMPReset	page# | page-subpage#		x											SAS only Seagate only
--scsiMPRestore	page# | page-subpage#		x											SAS only Seagate only
--scsiMPSave	page# | page-subpage#		x											SAS only Seagate only
--sctReadTimer	info | value		x											SATA only Seagate only
--sctWriteCache	info, enable, disable, default		x											SATA only Seagate only
--sctWriteTimer	info, enable, disable, default		x											SATA only Seagate only
--sctWriteCacheReordering	info | value		x											SATA only Seagate only
--seagateClean													x	Seagate only
--seconds	seconds	x		x			x							
--securityInitialize						x								SAS only
--setAPMLevel											x			SATA only
--setMaxLBA	newMaxLBA maxLBA	x	x											
--setMRIE	default | 0 - 6												x	SAS only Seagate only
--setPowerConsumption	default, highest, intermediate, lowest, watt value										x			SAS only Seagate only
--setSectorSize	new sector size					x			x					Seagate only
--setSCSIMP	mp | file		x											SAS only Seagate only

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Features	Options	Basics v2.8.0	Configure v1.17.0	Erase v2.0.1	Fimrware v2.7.0	Format v1.4.0	GenericTests v1.8.0	Info v1.5.0	Lite v1.2.0	NVMe v1.0.0	PowerControl v1.10.0	Security v2.0.1	SMART v1.12.0	Constraints
--shortDST		x							x				x	
--shortGeneric							x							
--showAPMLevel											x			SATA only
--showDSTLog													x	
--showEPCSettings											x			
--showEraseSupport				x										
--showFormatStatusLog						x								SAS only
--showLockedRegions												x		
--showMPOutputMode	classic | buffer		x											SAS only
--showPhysicalElementStatus			x											
--showPowerConsumption											x			SAS only
--showSCSIDefects	p, g, pg							x					x	SAS only
--showSCSIMP	page# | page-subpage#		x											SAS only
--showSCSIMPControl	current | default | saved | changeable | all		x											SAS only
--showSMARTErrorLog	summary | comprehensive												x	SATA only
--showSupportedFormats						x			x	x				
--showSupportedProtectionTypes						x								SAS only
--sid	yourTCGpassword			x								x		Seagate only
--smartAttributeAutosave	enable | disable												x	SATA only Seagate only
--smartAttributes	raw | analyzed	x						x					x	SATA only
--smartAutoOffline	enable | disable												x	SATA only Seagate only
--smartCheck		x											x	
--smartErrorLogFormat	raw | detailed												x	SATA only
--smartFeature	enable | disable												x	SATA only Seagate only
--smartInfo													x	SATA only
--spinDown		x									x			
--sscFeature	info, enable, disable, default		x											SATA only Seagate only
--standby											x			
--stopOnError							x							
--stopOnListError						x								SAS only
--swtchFW					x									NVMe only
--tcgInfo												x		
--telemetryDataArea	1 | 2 | 3									x				NVMe only
--tempStats										x				NVMe only
--transitionPower											x			NVMe only
--transitionPowerState	new power state									x				NVMe only

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--trim	starting LBA | maxLBA	x		x										SATA and NVMe Seagate only
--trimRange	LBA count	x		x										SATA and NVMe Seagate only
--twoMinuteGeneric							x							
--udsPort	lock | unlock											x		Seagate only
--unlockATASec												x		SATA only
--unmap	starting LBA | maxLBA	x		x										SAS only Seagate only
--unmapRange	LBA count	x		x										SAS only Seagate only
--userGenericRange	LBA count						x							
--userGenericStart	starting LBA | maxLBA						x							
--volatile			x											
--writeCache	info, enable, disable	x	x											
--writeSame	starting LBA | maxLBA			x										Seagate only
--writeSameRange	LBA count			x										Seagate only

Features Common to all tools	Options													
--childModelMatch		x	x	x	x	x	x	x			x	x	x	USB Only
--childNewFW		x	x	x	x	x	x	x			x	x	x	USB Only
--childOnlyFW		x	x	x	x	x	x	x			x	x	x	USB Only
--csmiIgnorePort		x	x	x	x	x	x	x			x	x	x	Windows only
--csmiUsePort		x	x	x	x	x	x	x			x	x	x	Windows only
--csmiVerbose		x	x	x	x	x	x	x			x	x	x	Windows only
-d, --device	deviceHandle	x	x	x	x	x	x	x	x	x	x	x	x	
-i, --deviceInfo		x	x	x	x	x	x	x	x	x	x	x	x	
--echoCommandLine		x	x	x	x	x	x	x			x	x	x	
--enableLegacyUSBPassthrough		x	x	x	x	x	x	x			x	x	x	
--forceATA		x	x	x	x	x	x	x			x	x	x	
--forceATADMA		x	x	x	x	x	x	x			x	x	x	SATA only
--forceATAPIO		x	x	x	x	x	x	x			x	x	x	SATA only
--forceATAUDMA		x	x	x	x	x	x	x			x	x	x	SATA only
--forceSCSI		x	x	x	x	x	x	x			x	x	x	
-h, --help		x	x	x	x	x	x	x	x	x	x	x	x	
--license		x	x	x	x	x	x	x	x	x	x	x	x	
--modelMatch	model Number	x	x	x	x	x	x	x	x		x	x	x	
--onlyFW	fw rev	x	x	x	x	x	x	x			x	x	x	
--onlySeagate		x	x	x	x	x	x	x	x		x	x	x	
-q, --quiet		x	x	x	x	x	x	x		x	x	x	x	
--sat12byte		x	x	x	x	x	x	x			x	x	x	
--SATInfo		x	x	x	x	x	x	x			x	x	x	SATA only

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-s, --scan, -S, --Scan		x	x	x	x	x	x	x	x	x	x	x	x	
-F, --scanFlags	sd, sgtosd, ata, usb, scsi, interfaceATA, interfaceUSB, interfaceSCSI, ignoreCSMI (Win only), allowDuplicates (Win only)	x	x	x	x	x	x	x		x	x	x	x	
--testUnitReady		x	x	x	x	x	x	x		x	x	x	x	
--usbChildInfo		x	x	x	x	x	x	x	x		x	x	x	USB Only
-v, --verbose	0 | 1 | 2 | 3 | 4	x	x	x	x	x	x	x		x	x	x	x	
-V, --version		x	x	x	x	x	x	x	x	x	x	x	x	