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General Information

Oracle Secure Backup supported tape devices will work with all supported operating systems unless otherwise noted in the comments.

Tape drives and tape libraries are independent; A supported library may utilize any supported tape drive as offered by the tape library manufacturer. Please confirm support for the tape drive and library.

Mixed media within one library is not supported by Oracle Secure Backup.

All devices on this matrix are considered to be supported by Oracle Secure Backup with all firmware versions currently supported by the manufacturer. The latest firmware version tested has been included as a reference. Oracle Secure Backup does not always test with newer firmware releases unless the vendor recommends re-testing based on a change(s) which may affect Oracle Secure Backup, however, newer versions are still supported. If a problem arises, it may be necessary to install the latest firmware tested until the issue resolved.

Oracle Secure Backup does not support tape drives or libraries that are not listed on this compatibility matrix.

SCSI and Fibre channel connectivity is qualified with all supported platforms. SAS connectivity is supported on Solaris SPARC, Linux, and Windows platforms.

If a tape device is no longer being manufactured, the availability has been noted as "Discontinued". Oracle Secure Backup continues to support these legacy devices as originally qualified.

The Virtual Tape Libraries (VTL) listed on this matrix are supported when configured to emulate tape drive(s) and/or tape libraries that are supported by Oracle Secure Backup.

This device support matrix is applicable to Oracle Secure Backup and Oracle Secure Backup Express as licensing permits.

This compatibility matrix includes the tape device "Product ID" which is the identifier that the device reports in response to a SCSI inquiry command.

If the Patch Req. column on this matrix indicates "yes", then the ob_robots and ob_drives files must be updated before deploying the device within an OSB domain. Please refer to My Oracle Support Note 420583.1 for instructions on obtaining and updating the files.

Tape Drives

Tape Format	Vendor	Drive Description / Model #	Product ID	Native Capacity (GB)	Latest Firmware Tested	Comments
3592	IBM	3592	03592J1A	Varies	172E	
3592	IBM	TS1130	03592E06	Varies	2594	Unencrypted only
3592	IBM	TS1140	03592E07	Varies		
3592	IBM	TS1150	03592E08	Varies		
3592	IBM	TS1155	0359255F	Varies		
3592	IBM	TS1160	0359260F	Varies	559B	
LTO-3	HP	Ultrium 960	Ultrium 3	400	G27D	
LTO-3	HP	Ultrium 920 HH	Ultrium 3	400		
LTO-3	IBM	TotalStorage T800 and T800/F	ULTRIUM-TD3	400	59D2	
LTO-4	HP	Ultrium 1840	Ultrium 4	800	H22S	
LTO-4	HP	Ultrium 1760 HH	Ultrium 4	800	W22D	
LTO-4	IBM	Ultrium-4	ULTRIUM-TD4	800	7381	
LTO-4	IBM	Ultrium-4 HH	ULT3580-HH4	800	85v8	
LTO-4	StorageTek	Ultrium-4	Ultrium or ULTRIUM-TD4	800		

Oracle Secure Backup 19.1 provides key management and support for LTO, T10000C and T10000D tape drive encryption unless explicitly stated otherwise on this matrix. WORM functionality / tapes are not supported.

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Tape Format	Vendor	Drive Description / Model #	Product ID	Native Capacity (GB)	Latest Firmware Tested	Comments
LTO-5	HP	Ultrium 3280	Ultrium 5	1500		
LTO-5	HP	Ultrium 3000 HH	Ultrium 5	1500	Y23Z	
LTO-5	IBM	Ultrium 5	ULTRIUM-TD5	1500	A6SA	
LTO-6	HP	Ultrium 6650	Ultrium 6	2500	J17D	
LTO-6	HP	Ultrium 6250 HH	Ultrium 6	2500	22GS	
LTO-6	IBM	ULTRIUM-TD6	ULTRIUM-TD6	2500	C9T4	
LTO-7	HP	Ultrium 7 HH	Ultrium-7	6000	G9Q1	
LTO-7	HP	Ultrium 7 FH	Ultrium-7	6000	G9Q0	
LTO-7	IBM	Ultrium 7 HH	Ultrium-HH7	6000	FA11	
LTO-7	IBM	Ultrium 7 FH	Ultrium-TD7	6000	FA14	
LTO-8	IBM	Ultrium 8 HH	ULT3580-HH8	12000	H93E	
LTO-8	IBM	ULT3580 HH8	ULT3580-HH8	12000	H9E3	
LTO-8	IBM	Ultrium 8 HH	ULTRIUM-HH8	12000	M571	
LTO-8	IBM	Ultrium 8 FH	ULTRIUM-TD8	12000	H9E2	
LTO-8	IBM	ULT3580 TD8	ULT3580-TD8	12000	JAYE	
LTO-8	HP	Ultrium 8	HPE, Ultrium 8-SCSI	12000	HB87	
LTO-9	IBM	Ultrium 9	ULT3580-TD9	18000	NCA0	
LTO-9	Oracle	Ultrium 9	ULTRIUM-TD9	18000	N7N0	Manufactured by IBM
LTO-9	HPE	Ultrium 9	HPE,Ultrium 9-SCSI	18000	PA61	

Tape Format	Vendor	Drive Description / Model #	Product ID	Native Capacity (GB)	Latest Firmware Tested	Comments
T10000C	StorageTek	T10000C	T10000C	5000	1.51	
T10000D	StorageTek	T10000D	T10000D	8500	4.06	

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Virtual Tape Libraries

Vendor	Vendor / Model	Latest Firmware Tested	Patch Req.	Product ID	NDMP Direct Copy (Server-less Duplication)	Comments
Copan	Copan 200T					
EMC	EMC DL210, DL310, DL710, DL720, DL740, DL4100, DL4200, DL4400, DL4106, DL4206 & DL4406	3.1		svtIRobot		
EMC	EMC Disk Library 1500, 3000	1.0.0 build 6.1.329		Disk Library	Supported	NDMP Direct Copy supported referred to as "Path to Tape", (PTT) option on VTL
Data Domain	Data Domain Systems	6.0				Changer: L180, TS3500, i2000, i6000 Tape Drive: IBM LTO-1, IBM LTO-2, IBM LTO-3, IBM LTO-4, IBM LTO-5, HP LTO-3, HP LTO-4
FalconStor	FalconStor VTL	5.0			Supported	NDMP Direct Copy supported; requires NDMP option on VTL
Fujitsu	ETERNUS CS800 VTL	1.4.1			Supported	
HP	D2D110 Backup System					iSCSI connectivity supported on Linux only, USB connectivity not supported
HP	D2D4324, D2D4312, D2D4112 G2 D2D4106i G2, D2D4106fc G2, D2D2504 G2 Backup Systems	2.2.17		MSL G3 Series		
HP	StoreOnce B6200 Backup, StoreOnce 4430 Backup, StoreOnce 4420 Backup, StoreOnce 4220 Backup, StoreOnce 4210 Backup	3.5.0		MSL G3 Series & EML E-Series		
HPE	StoreOnce / 6600, 5500, 5100, 3540, 3520	3.16.x		EML E Series, MSL G3 & IBM TS3500		
HPE	StoreOnce / 6500, 4900, 4700, 4500	3.15.x				
HPE	StoreOnce Gen 4			MSL G3 Series, IBM 03584L32		HPE Ultrium-6 and Ultrium-7, IBM Ultrium-TD3 Hardware Encryption: NOT SUPPORTED
Network Appliance	Netapp	OS versions: 5.5, 5.6.2 [#15983], 6.0.1				
Overland Storage	Overland Storage REO Series	425				iSCSI connectivity supported on Linux
Quantum	DXi3500	04.00.141				Discontinued
Quantum	DXi5500	04.00.141				Discontinued
Quantum	DXi6700	2.2_68		DXi6700	Supported*	
Quantum	DXi6802	2.2_68			Supported*	
Quantum	DXi7500	1.5		DXi7500	Supported*	Discontinued
Quantum	DXi8500, 2TB, 3TB	2.2_68		DXi8500	Supported*	
Sepaton	Sepaton S2100-ES2					
Spectra	Spectra nTier300, nTier500, nTier700					
Sun	Sun VTL Plus, Prime	3.15		VTL	Supported	

NDMP Direct Copy enables server-less tape duplication and is supported with virtual tape libraries as indicated above. The physical tape drives used for server-less duplication from virtual to physical tape may be shared drives (as in Storage Area Networks - SAN) or dedicated to the VTL. * NDMP Direct Copy supported referred to as "Application Specific Path to Tape" option on VTL.

Physical Tape Libraries**ADIC**

Vendor	Model	Latest Firmware Tested	Patch Req.	Product ID	Comments
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Please refer to the Quantum section for listing of supported ADIC tape libraries.

Dell/EMC

Vendor	Model	Latest Firmware Tested	Patch Req.	Product ID	Comments
DELL	ML3			3573-TL	

HPE

Vendor	Model	Latest Firmware Tested	Patch Req.	Product ID	Comments
HP	MSL2024	6.50		MSL G3 Series	
HP	MSL4048	9.00		MSL G3 Series	
HP	MSL8096	1160		MSL G3 Series	
HP	MSL3040	3020		MSL3040	
HP	MSL5026DLX			MSL5000	
HP	MSL5026S2			MSL5000	
HP	MSL5026SL			MSL5000	
HP	MSL5030L1			MSL5000	
HP	MSL5052S2			MSL5000	
HP	MSL5052SL			MSL5000	
HP	MSL5060L1			MSL5000	
HP	MSL6000			MSL6000	
HP	MSL6030			MSL6030	
HP	MSL6060			MSL6060	
HP	MSL6480	5.10		MSL6480	

IBM

Vendor	Model	Latest Firmware Tested	Patch Req.	Product ID	Comments
IBM	3582 Tape Library			ULT3582	
IBM	3583 Tape Library			ULT3583	
IBM	3584 Tape Library			03584	
IBM	TS2900 System Storage Library	3		3572-TL	
IBM	TS3100/3200 System Storage Library	1.1		3573-TL	
IBM	TS3310 System Storage Library			3576-MTL	
IBM	TS3500	8750		3584L22	
IBM	TS4500			3584L22	TS3500 and TS4500 share the same Prod ID
IBM	TS4300				TS4300, TS3200 and TS3100 share the same ID

Overland Tandberg

Vendor	Model	Latest Firmware Tested	Patch Req.	Product ID	Comments
Overland	Neo 2000	Ultrium 8 HH		NEO Series	Gbe NDMP option supported with minimum firmware version of 3.22, GbE iSCSI option supported on Linux
Overland	Neo 4100			NEO Series	
Overland	Neo 4200			NEO Series	
Overland	Neo 4300			NEO Series	
Overland	Neo 4400			NEO Series	
Overland	Neo 8000			NEO Series	
Overland Tandberg	Neo XL40, Neo XL80			MULTISTAK	
Overland Tandberg	NEOs Storageloader, NEOs T24			FlexStor II	

NEC

Vendor	Model	Latest Firmware Tested	Patch Req.	Product ID	Comments
NEC	NEC T40A Library	0004		T40A	
NEC	NEC T40A-2 Library	0004		T40A2	

Quantum

Vendor	Model	Latest Firmware Tested	Patch Req.	Product ID	Comments
Quantum	Scalar i6000	606A		Scalar i6000	
Quantum	SuperLoader 3	002D		UHDL	
Quantum	Scalar i3 i6	110G		Scalar i3-i6	

Spectra Logic

Vendor	Model	Latest Firmware Tested	Patch Req.	Product ID	Comments
Spectra Logic	T950	2000		PYTHON	

Oracle

Vendor	Model	Latest Firmware Tested	Patch Req.	Product ID	Comments
Oracle/StorageTek	SL24 Tape Autoloader			MSL G3 Series	Discontinued
Oracle/StorageTek	SL48 Tape Library			MSL G3 Series	Discontinued
Oracle/StorageTek	SL150	1000		SL150	
Oracle/StorageTek	SL500			SL500	Discontinued
Oracle/StorageTek	SL3000	2.02		SL3000	Advanced Exchange Module (AEM) is not supported.
Oracle/StorageTek	SL8500 or SL3000			ACSL5-SCSI	Leverages ACSLS 8.0 SCSI Media Changer (SMC) and logical library capabilities

ACSLs Supported Devices

Vendor	Model	Latest Firmware Tested	Patch Req.	Product ID	Comments
StorageTek	SL500			ACSLs	
StorageTek	SL3000			ACSLs	
StorageTek	SL8500			ACSLs	
StorageTek	SL3000 or SL8500			ACSLs-SCSI	Logical libraries configured via ACSLS 8.0 SCSI Media Changer (SMC)
NOTE: All ACSLS supported devices require use of ACSLS version 7.x or higher.					