SPHiNX™

Backup and Disaster Recovery. Simplified.

FAST BACKUPS, SIMPLE DR, AND MULTI-SITE PROTECTION

SPHiNX™ is a disk-based appliance that takes the pain out of backup and disaster recovery (DR) by providing a virtual tape library or drive. By enabling faster backups and streamlined DR, SPHiNX helps reduce the cost and complexity of data protection while eliminating the risk of data loss.

ASPIRIN FOR YOUR BACKUP HEADACHES

Faster backups mean more efficient resource allocation, improved network performance, and reduced expenses. SPHiNX improves backups with a disk-based system that writes data faster than traditional tape backup. With a suite of automation tools, SPHiNX allows administrators to take a "hands-free" approach to backup. SPHiNX supports HelpSystems Robot Save, IBM® BRMSTM, and most leading backup applications. By integrating easily with your existing infrastructure, there is no disruption to current backup policies and processes.

PAIN-FREE RESTORES KEEP BUSINESS ONLINE

SPHiNX can easily consolidate data from multiple servers, departments, or remote sites by replicating data to or from a central unit. Getting your data back from a disaster recovery site is fast. With no time needed for data rehydration, you can be back online in minutes. SPHiNX supports multiple replication streams and helps optimize network bandwidth by transmitting only new or changed data.

FLEXIBLE OPTIONS FOR DATA GROWTH

With support for dynamic virtual tape sizing and an unlimited number of cartridges, scaling the system is as simple as adding more capacity with any third-party disk system. There is no proprietary lock-down on your data and no lock-in to expensive, long-term maintenance agreements. The system supports data protection in diverse OS environments including Windows, Linux, IBM i (SYSTEM i, iSERIES, AS/400), AIX, Unisys ClearPath MCP, and HP NonStop.

Data reduction, up to 10:1, allows virtual cartridges and data files to be compressed automatically as they are written to disk. SPHiNX identifies differences in duplicate data (called Deduplication with SPHiNX) and only transmits the differences, thus optimizing performance by better utilizing the available network bandwidth.

SPHiNX can eliminate physical tape handling, thereby reducing manual errors and cumbersome management. If physical tape is a requirement for your backup strategy, you can utilize and connect any tape device to the SPHiNX. Alternatively, the SPHiNX WS (workstation model) can include an integrated tape drive in an efficient footprint.

CHOOSE THE SPHINX PLATFORM THAT FITS YOUR NEEDS

SPHiNX WS

SPHiNX WS	SPHiNX CS & ES	SPHiNX NS
• For service providers, SMBs, departments, and branch offices	• For corporations and mid- sized data centers	• For enterprise-grade data centers
• Stand-alone workstation or 4U racked	• Boosts performance and capacity	• Software only, allowing you to leverage existing disk resources
• Ideal for IBM i environments, option for an integrated tape drive with Power8		• Can be clustered in a shared storage environment for high availability

MODELS	SPHINX WS	SPHINX CS	SPHINX ES	SPHINX NS
Storage Capacity (RAID set)	3TB or 6TB	6TB, 12TB, or 18TB	36TB, 54 TB or 72TB	External Only
Storage Capacity (usable)	2.9TB or 5.8TB	5.8 TB, 11.6TB or 17.3TB	33.7TB, 50.5 TB or 67.3TB	
Form Factor	Workstation or 4U (if racked)	3U		
Host Interface	VTL or VTD	VTL or VTD		
Host OS Support	IBM i, AIX, RedHat Linux, Windows Server, Unisys ClearPath MCP	IBM i, AIX, RedHat Linux, Windows Server, Unisys ClearPath MCP		
Host Connectivity	SAS or 8Gb FC	SAS or 8Gb FC		
Physical Tape Connectivity	Any SCSI LVD, SAS, or FC Device	Any SCSI LVD, SAS, or FC Device		
Internal Tape Drive Option	Single LTO-6 HH Tape Drive	N/A		
External Disk	Any SAS or FC Controller	Any SAS or FC Controller		
# and Type of HBA Cards (maximum supported)	Up to three PCIe	Up to five PCIe		
# of Virtual Tape Devices	Up to 12 VTL & 32 VTD	Up to 16 VTL & 32 VTD		
# of Virtual Cartridges	Unlimited	Unlimited		
Height x Width x Depth	17.8 in. (452mm) x 7.0 in. (178mm) x 25.5 in. (648mm)	5.2 in. (132mm) x 17.2 in. (437mm) x 25.5 in. (648mm)		
Weight (gross maximum)	58 lbs. (26.3 kg)	77 lbs. (34.9 kg)	81 lbs. (36.7 kg)	70 lbs. (31.8 kg)
Operating/Non-Operating Temp.	5° to 35°C / -40° to 60°C	10° to 35°C / -40° to 70°C		
Operating/Non-Operating Humidity (NC)	8 to 90% / 5 to 95%	8 to 90% / 5 to 95%		
Power Supply	500W – Single Supply	920W - Redundant (Hot Swappable)		
AC Voltage	100 to 240V	100 to 240V		
AC Current	7-3.5A	11-4.5A		
Frequency	50 to 60 Hz	50 to 60 Hz		
Power Consumption (Amps)	+5V (20A), +3.3V (15A), +12V (17A), +5Vsb (3A)	75A @ +12V, 4A @ +5V Standby		
Safety	UL/cUL/CAN/CSA/ IEC/ EN60950-1	UL/cUL/CAN/CSA/IEC/EN60950-1		
Emissions	FCC 47 CFR Part 15 Class A	FCC 47 CFR Part 15 Class A		

? **NEED HELP DECIDING?**
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