



Backup Hardware Vendor Evaluation Criteria

Leverage the following framework to prioritize evaluation criteria and rank vendor solutions along these requirements.

Feature Priority:
 1= Critical (must have), 2= High (can live without), 3=Medium, 4= Low, 5 = Not necessary

Category	Feature Description	Priority	Notes - Specific Requirements
PRODUCT INTEGRATION INTO BACKUP HW INFRASTRUCTURE	Connectivity Interfaces: <ul style="list-style-type: none"> • # of interfaces • FC-SAN • SCSI 		
	Support for Existing OS Platforms		
	Support for Existing SAN infrastructure: <ul style="list-style-type: none"> • FC Switches • FC Directors 		
	Support for heterogeneous tape libraries and tape formats		
BACKUP APPLICATION INTEGRATION	Backup application compatibility with hardware platform <ul style="list-style-type: none"> • Requirement for additional "advanced" disk backup modules 		
	Data format for backups: <ul style="list-style-type: none"> • Disk as Disk • Disk as Tape 		
	Impact on Existing Backup Policies <ul style="list-style-type: none"> • Changes to job rotation schedule • Ability to perform staging and/or cloning operations • Media management policies 		



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Category	Feature Description	Priority	Notes - Specific Requirements
MANAGEABILITY	Device support by your existing SAN Management and SRM tools		
	Device element manager configuration capabilities <ul style="list-style-type: none"> • CLI • GUI • Ability to manage multiple devices from a single console 		
	Monitoring capabilities <ul style="list-style-type: none"> • Ability to send traps for fault and performance issues 		
	Open Standards Support <ul style="list-style-type: none"> • CIM/SMI-S • SNMP Compliance 		
PRODUCT SCALABILITY	Storage Capacity per unit: <ul style="list-style-type: none"> • Entry level (TB) • Maximum (TB) • Non-disruptive capacity upgrades 		
	Performance: <ul style="list-style-type: none"> • MB/s • Ability to scale performance independently of capacity 		
	Tape Emulation capability <ul style="list-style-type: none"> • Max number of tape libraries per unit • Max number of tape drives 		
	Scalability outside of the box <ul style="list-style-type: none"> • Ability to pool capacity from multiple units as a single logical pool of disk or tape 		
PRODUCT PERFORMANCE (Compare)	Rate of Backups: GB/Hour		



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Category	Feature Description	Priority	Notes - Specific Requirements
	Rate of Restores: GB/Hour		
	Ability to meet application specific backup windows under estimated backup rates		
	Ability to hit application specific restore time objectives under estimated backup rates		
DATA REDUCTION CAPABILITY	Data reduction ratio for secondary data over a normal backup job cycle <ul style="list-style-type: none"> Representative combination of fulls and incrementals 		
	Point in backup process where data reduction occurs <ul style="list-style-type: none"> Server/client In the box 		
	Data format post reduction		
PRODUCT RELIABILITY	RAID Level Supported		
	Redundant/hot-swappable components: <ul style="list-style-type: none"> Disk Drives Controllers Power Supplies Fans 		
TOTAL COST OF OWNERSHIP	Direct hardware, software expense <ul style="list-style-type: none"> Product pricing tiers: based on capacity backed up, stored? 		
	Additional expenses incurred resulting from the deployment? <ul style="list-style-type: none"> Example: Backup application software upgrades 		
	Impact on backup administration costs		
	Real savings resulting from data reduction technology		
	Soft savings resulting from improvements in backup windows, and overall backup reliability, and restorability		



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Category	Feature Description	Priority	Notes - Specific Requirements
CORPORATE VIABILITY	Customer Support and Warranty Agreements		
	Professional Services <ul style="list-style-type: none"> • Are services provided by a 3rd party? 		
	Technology Partnership Agreements		
	Customer References		

IF INTERESTED IN ADDITIONAL VENDOR SELECTION METHODOLOGIES, REPORTS OR TOOLS TO ASSIST IN BUYING DECISIONS, PLEASE EMAIL info@tanejagroup.com.

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