

Architecture		Technology	Key Features	Key Considerations
Shared Characteristics of Removable Hard Disk Drives			<ul style="list-style-type: none"> • Backward/forward compatible • Backup software bundled with disk docking station • Data recoverable by OS • Infinite capacity (like tape) • Multi-year warranties • Random read/write access to data • Portable (like tape) • Power not consistently required • Disk docking station presents persistent drive letter to OS 	<ul style="list-style-type: none"> • Handling and storage needs different than tape • Capacity costs per gigabyte two to ten times greater than tape
Disk Cartridge	Quantum GoVault	<ul style="list-style-type: none"> • Internal or external docking stations available • Linux/Windows OS Support 	<ul style="list-style-type: none"> • Cartridge capacity lags newest disk drive capacity • Cost per gigabyte three to 10 times greater than tape • Cost per cartridge two to three times greater than just disk drive • Limited/no support by enterprise backup software • Limited/no support by automated tape libraries • GoVault format only available/manufactured by Quantum • Use 2.5-inch disk drives in cartridge 	
	RDX	<ul style="list-style-type: none"> • Archiving appliance available from ProStor Systems • Internal or external docking stations available • Multiple RDX cartridge manufacturers • Primarily Linux/Windows OS Support • Standard by default (90% of shipped cartridges) • Status light to indicate when removable HDD is in use • Supplied by Dell, Imation and Tandberg Data 		
HDD	SATADisk Drive	<ul style="list-style-type: none"> • Can use any size or vendor's SATADisk drive • Lowest price per gigabyte of disk drive approach • Manufacturer's HDD warranty (five year) in force 	<ul style="list-style-type: none"> • Limited number of suppliers (Idealstor) • Each disk drive requires carrying caddy (approximately \$35 per caddy) • Higher upfront cost for drive docking station • More opportunity for data loss while handling HDDs • Requires more upfront effort to configure 	