Virtualization approaches compared

Architecture	Pros	Cons	Products
• Fabric-based split-path architecture	• High performance • High scalability	• Expensive • High degree of vendor lock-in • More limited in advanced storage features	• EMC Corp. Invista and RecoverPoint • Fujitsu Eternus VS900 • LSI Corp. StoreAge Storage Virtualization Manager
• Storage controller-based	• High performance • High scalability • Rich set of advanced storage features	• Array vendor lock-in • Typically considered only by customers who have already standardized on the array vendor	• Hitachi Data Systems Universal Storage Platform V and Universal Storage Platform VM
• In-band appliances	• Simplicity • Cost-effective • Rich set of advanced storage features	• Higher latency than fabric-based products; more likely to hit a scalability limit than switch-based virtualization products	• DataCore Software Corp. SANmelody and SANsymphony • FalconStor Software Inc. IPStor • IBM Corp. SAN Volume Controller