

Our materials are designed to walk you through product selection, beginning with Evaluation Guides to outline general requirements and concluding with deep-dive reviews.

This document is updated monthly with new products.

**Last updated: 18 July 2016**

## Comparison Matrices (Standard PDF & Interactive)

- Archive Software
- Archive Systems
- Disk-to-Disk VTL Deduplication Virtual
- Disk-to-Disk VTL Deduplication  
(Entry, Midrange, High End)
- Hyper-Converged
- NAS Storage (Entry, Midrange, High End)
- Open Storage Platform (Formerly Virtual SAN)
- Object Storage
- SAN Storage (Entry, Midrange, High End)
- Solid State Storage (New Design, Adapted Design)
- Storage Resource Management
- Storage Virtualization Solutions

## Evaluation Guides

- Archive Systems
- Archive Software
- Data Deduplication
- Hyper-Converged
- NAS Storage
- Object Storage
- Open Storage Platform (Formerly Virtual SAN)
- SAN Storage
- Solid State Storage
- Storage Characteristics and Tiering
- Storage for VDI
- Storage Overview
- Storage Virtualization
- VTL Storage

## Workbooks

- Archive Software & Systems for Files
- Data Protection
- Hyper-Converged
- NAS
- Object Storage
- Open Storage Platform (Formerly Virtual SAN)
- SAN Storage Array
- Solid State
- Storage Resource Management
- Storage Virtualization

## Solid State Storage

- Coho DataStream
- EMC DSSD D5
- EMC XtremIO
- EMC VNX Flash SAN
- EMC VMAX All Flash
- Fujitsu ETERNUS DX200 S3
- Hitachi Unified Storage VM, VSP-G
- HDS Hitachi Flash Storage, VSP F-Series
- HP 3PAR StoreServ 8000 All-Flash
- Huawei OceanStor Dorado
- IBM FlashSystem 900, V9000, A9000 and A900R
- Kaminario K2
- NetApp FAS8000, AFF 8000
- NetApp Flash Array, EF560, EF550
- NexGen n5
- Nimble AF Series
- Nimble CS Series
- Nimbus Data Gemini
- Oracle FS1
- Pure Storage FlashArray
- SolidFire
- Tegile IntelliFlash
- Tintri VMstore
- Violin Memory All-Flash Array

## SAN Storage

- Dell Compellent Storage Center, EqualLogic
- EMC VMAX, VNX, VNXe, Unity
- Fujitsu Eternus DX8700-8900 s3, DX500 DX600, DX200, DX100
- HDS VSP-G, HUSVM
- HPE StoreServ 3Par 20000, 10000, 8000, 7000 XP7, StoreVirtual 4000, MSA 2040
- Huawei OceanStor 1800, 6800, S2200T
- IBM DS8000, XIV, V7000, V5000, V3700 DCS3700, DS3500
- InfiniDAT InfiniBox
- NetApp FAS8000, FAS2500, E5600, E5500 E2700
- X-IO iglu blaze

## NAS Storage

- Coho Data DataStream
- Dell Compellent FS8600, PowerVault NX
- EMC Celerra, DART, Isilon Systems IQ Series VNX(e) NAS, VMAX3
- Fujitsu DX100/200/500/600 S3
- Hitachi HNAS, HUS
- HP StoreEasy, 3PAR StoreServ 7000/20000
- Huawei OceanStor N8500
- IBM Scale Out NAS-SONAS, ESS
- Microsoft Windows Storage System (WSS)
- NetApp DataONTAP
- NetApp FAS w/ NAS focus  
FAS2000/2500, FAS3200/V3200,  
FAS6000/V6000/6200/V6200, FAS8000
- Oracle ZFS

## Object Storage

- Cleversafe dsNet
- Cloudian Hyperstore
- Data Direct Networks Web Object Scaler
- EMC Atmos, Centera, ECS
- Hitachi Content Platform
- HGST Himalaya
- HP StoreAll Storage
- NetApp StorageGRID Webscale
- Quantum Lattus
- Scality RING Organic Storage
- SwiftStack Swift

## Archive

- ASG Digital Archive
- Caringo Swarm
- EMC Centera, Cloud Tiering Appliance
- HGST Active Archive
- HP StoreAll
- Hitachi Content Platform
- IBM Information Archive
- NEC HYDRAsTOR HS6-4000
- NetApp SnapLock
- Nexsan Assureon
- Quantum StorNext
- Rocket Arkivio Autostor

## Data Protection

- Commvault Simpana 10
- Dell AppAssure
- EMC Avamar, Data Domain, RecoverPoint
- IBM ProtecTier
- Hitachi Protection Platform
- HP D2D StoreOnce
- NEC HYDRAsTOR
- Quantum DXi Series
- Veritas NetBackup Appliance

## Storage Resource Management(SRM)

- Aptare Storage Console
- CA SRM
- EMC ViPR SRM
- HP Storage Essentials
- Hitachi Command Suite
- IBM Tivoli Storage Productivity Center
- NetApp OnCommand
- SolarWinds Storage Manager
- Veritas InfoScale

## Storage Virtualization

- DataCore SANSymphony-V
- EMC VPLEX, ViPR
- FalconStor NSS SAN Virtualization
- FreeStor Storage Server
- Hitachi VSP G1000 Virtualization
- IBM SAN Volume Controller (SVC)
- NetApp FAS3200/V3200, FAS 6200/  
V6200, V-Series

## Open Storage Platform / Software Defined Storage

### (Formerly Virtual SAN)

- Atlantis Computing USX
- DataCore SANSymphony-V
- EMC ScaleIO
- Hedvig Distributed Storage Platform
- HPE StoreVirtual VSA
- IBM Spectrum Accelerate
- Maxta MxSP
- Nexenta NextentaStor
- Quantum StorNext File System
- VMware VSAN

## Hyperconverged

- Atlantic Computing Hyperscale
- Cisco Hyperflex
- Dell XC Series
- EMC VxRail
- Gridstore Hyperconverged Appliance
- HPE ConvergedSystem 250-HC StoreVirtual
- HPE Hyperconverged 250/380
- Maxta MaxDeploy
- Nutanix Xtreme Computing Platform
- Pivot3 Hyperconverged Infrastructure
- Scale Computing HC3 Hyper-Converged Appliance
- Simplivity OmniCube

# Comparison Matrices

The following is a list of products covered in each Comparison Matrix. Matrices are updated frequently and this information is subject to change. These are available as standard PDFs with an interactive, flash-based version available.

## Archive Software

- Arkivio (Rocket Software) AutoStor
- ASG (Atempo) Digital Archive
- BridgeHead File Archiving Agent
- Commvault Simpana OnePass
- EMC Cloud Tiering Appliance
- EMC SourceOne for Files
- IBM TSM HSM
- Quantum StorNext 5
- SGI DMF
- Veritas Enterprise Vault

## Archive Systems

- Caringo Swarm (formerly CAStor)
- Crossroads StrongBox
- EMC Centera
- HGST Active Archive
- HP StoreAll
- HDS HCP
- Imation Nexsan – Assureon
- NEC HYDRastor HS6-4000/HS8-5000
- NetApp with Snaplock

## Disk-to-Disk VTL Deduplication Virtual

- FalconStor OBDVA
- HP StoreOnce VSA
- Quantum DXi V Series
- CommVault Simpana 10 Dedupe

## Disk-to-Disk VTL Deduplication Entry Level

- EMC DD2200
- Exagrid EX1000-7000
- HP StoreOnce 3000
- IBM ProtecTIER TS7620
- NEC HydraStor HS3-510
- Quantum DXi4700

## Disk-to-Disk VTL Deduplication Mid Range

- EMC DD2500
- EMC DD4200/DD4500
- Exagrid EX1000E-32000E
- HP StoreOnce 3000/4000/5000
- FalconStor VTLGA
- FalconStor VTLCA
- Quantum DXi4700
- HDS Protection Platform S1500
- Symantec/Veritas NetBackup 5230

## Disk-to-Disk VTL Deduplication High End

- EMC DD9500, DD7200
- FalconStor VTL/FDS
- Fujitsu ETERNUS CS8000
- HP B6500
- IBM TS7650G
- NEC HS8-5000
- Quantum DXi8500/DXi 6900
- Sepaton S2100-ES3
- Hitachi HDS Protection Platform S2700

## Hyper-Converged

- Atlantis Computing Hyperscale
- Cisco Hyperflex
- Dell XC Series
- EMC VxRail
- Gridstore HyperConverged Appliance
- HPE HC250/HC380
- Maxta HC Reference Architectures
- Nutanix NX Series 1000/3000/6000/9000
- Pivot3 Hyperconverged Infrastructure
- Scale Computing HC Series  
1000/2000/4000
- Simplivity Omnicube / Omnistack

# Comparison Matrices

## NAS Entry Level

- Dell NX400/NX3000
- EMC VNXe3200/VNXe3300
- Fujitsu ETERNUS DX100 S3/DX200 S3
- HP StoreEasy 1450/1550/1650/1850
- NetApp FAS2554/FAS2552/FAS2520
- NetApp/IBM FAS2240-2-3/FAS2220/FAS2050, N3600/N3400/N3220-N3240

## NAS Mid Range

- Coho Data DataStream 1000h/2000f
- EMC Isilon NL400, 36NL, 72NL, 108NL
- EMC Unity 300/400/500/600
- EMC VNX 5200/5400/5600, VG2 Gateway
- HP StoreServ 7000/8000
- HP StoreEasy 3000
- HP StoreEasy Gateway 3000
- HDS HNAS 4080/4060/3090/3080
- HDS HUS 110/130/150/HUSVM
- Fujitsu ETERNUS DC500 S3/DX600 S3
- NetApp V7000 Unified
- NetApp/IBM FAS3270/FAS3250/FAS3220, N6220/N6270/N6250
- NetApp FAS8040/FAS8020
- Oracle ZFS Storage System

## NAS High End

- Dell Compellent FS8600
- Dell EqualLogic FS7600/FS7610
- EMC VNX 5800/7600/8000, VG8 Gateway
- EMC Isilon S210, X410, HD400
- EMC VMAX3 eNAS Data Service
- HDS HNAS 4100
- HP 3PAR StoreServ 20000
- Huawei OceanStor N8500
- IBM Elastic Storage Server
- IBM SONAS
- NetApp FAS6290/FAS6250/FAS6220  
IBM N7950T (FAS6290)
- NetApp FAS8060/FAS8080 EX
- Oracle ZFS Storage System

## Object

- Caringo Swarm (formerly CASTor)
- Cleversafe dsNet
- Cloudian HyperStore
- Data Direct Networks Web Object Scaler (WOS)
- EMC Atmos
- EMC Elastic Cloud Storage
- HGST Active Archive/Amplistor
- Hitachi Data Systems HCP
- IBM Cleversafe dsNet
- NetApp StorageGrid Webscale
- Quantum Lattus
- Scality Ring
- SwiftStack Swift

## Open Storage Platform /

## Software Defined Storage

- Atlantis Computing USX
- DataCore SANSymphony-V
- EMC ScaleIO
- Hedvig Distributed Storage Platform
- HPE StoreVirtual VSA
- IBM Spectrum Accelerate
- Maxta MxSP
- Nexenta NextentaStor
- Quantum StorNext File System
- SoftNAS Cloud File Gateway
- StorMagic SvSAN
- VMware VSAN

## SAN Entry Level

- Dell EqualLogic PS
- Dell SCv2000
- EMC VNXe
- Fujitsu ETERNUS
- HP MSA
- Huawei OceanStor S2200T
- IBM DS3500 / DCS3700
- IBM Storwize V3700
- NetApp FAS2500

# Comparison Matrices

## SAN Mid Range

- Dell SC Systems
- Dell Equallogic PS
- EMC VNX
- EMC Unity
- Fujitsu ETERNUS
- HDS HUS-Block, HUSVM, VSP G-Series
- HP 3PAR StoreServ 7000, 8000 StoreVirtual4000
- Huawei OceanStor 6800 v3
- IBM DCS3860, DS5000 Storwize V7000/V5000
- NetApp FAS8000, FAS3200, E5500
- X-IO iglu

## SAN High End

- EMC VMAX3
- EMC VMAX
- Fujitsu Eternus
- HP 3PAR StorServ 10000/20000
- HP/HDS VSP 61000/XP7, VSP/P9500
- Huawei OceanStor 18000
- IBM DS88870/8880, XIV
- InfiniDAT InfiniBox
- NetApp FAS6200, FAS8000

## Solid State: Adapted Designs

- EMC VMAX All Flash
- Fujitsu ETERNUS DX200F
- HP 3PAR StoreServ 7200c/7450c/8450/20450/20850
- HDS HUSVM
- HDS VSP F-Series
- IBM DS8888
- Huawei Dorado
- NetApp EF550/EF560
- NetApp AFF8000
- Oracle FS1

## Solid State: New Designs

- EMC DSSD D5
- EMC XtremIO
- HDS HFS
- IBM FlashSystem 900/A9000/A9000R/V9000
- Kaminario K2
- NexGen n5
- Nimble AF Arrays
- Nimble CF Series
- Nimbus Data Gemini/Gemini X
- PureStorage FlashArray
- SolidFire SF
- Tegile IntelliFlash
- Tintri VMstore
- Violin Memory 6000 Series, Flash Storage Platform 7000

## Storage Resource Management

- Aptare StorageConsole 9.1
- CA Storage Resource Manager (Mainframe r12.6, Open Systems r12.7)
- EMC ViPR SRM 3.5
- HP Storage Essentials Suite 9.7
- HDS Command Suite 8
- IBM Storage Insights
- NetApp OnCommand System Manager, Insight 6/7, Report
- SolarWinds Storage Resource Monitor
- Veritas CommandCentral Storage
- Veritas InfoScale Operations Manager

## Storage Virtualization

- Data Core SANsymphony-V 10
- EMC FAST.X
- EMC ViPR 2.4
- EMC VPLEX
- FalconStor FSS
- HDS HUSVM
- HDS VSP Series
- IBM SVC and VCS
- NetApp FlexArray
- SolarWinds (TekTools) Storage Manager 5.