Arcserve N Series Appliances

Hyperconverged Data Protection Powered by Nutanix. Secured by Sophos.
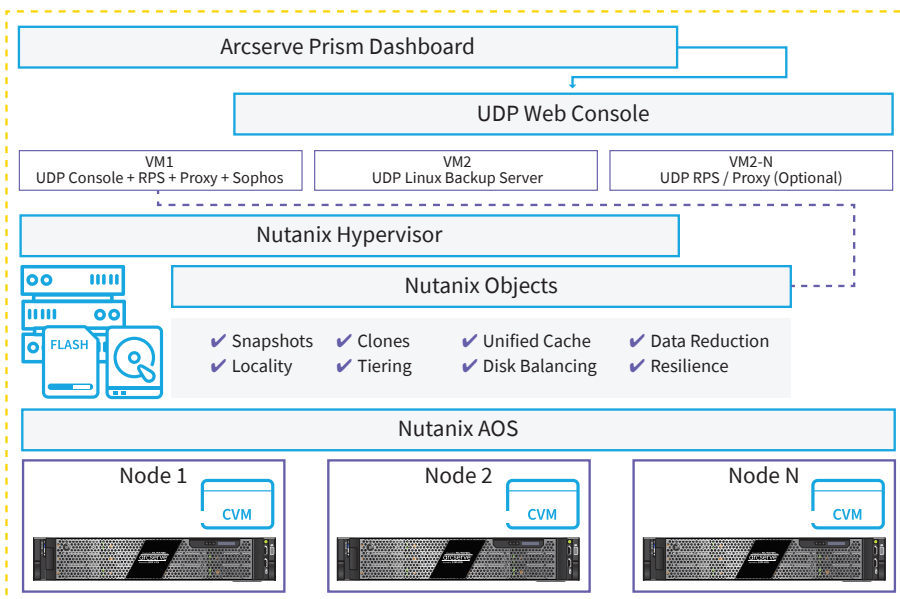
Hyper-available recovery platform

Arcserve N Series is purpose-built for always-on businesses. A hyperconverged data protection appliance converges technologies from leaders, to offer a hyper-available recovery platform for the broadest set of workloads across physical, virtual and cloud environments, covering on premise and SaaS data protection.

Arcserve's hyperconverged data protection appliances include, award-winning, Arcserve Unified Data Protection (UDP), powered by Nutanix and secured by Sophos Intercept X on a single SKU including all three technologies from Arcserve.

Appliance Highlights

- **Hyper-Available** recovery platform for always-on businesses to access backup data 24x7
- **Scales out** incrementally and linearly, allowing customers to start small and scale with business growth
- **Built-to-fit** with a 4-Node minimum, up to 540TB effective capacity and up to **2TB** of RAM per cluster
- **Hyper-redundant** architecture offering a resilient, high-performing environment.
- **Sophos Intercept X Advanced for Server,** to defend backup systems from ransomware attacks and others
- **On-site support** in as little as 4 hours for peace of mind

Simple
- ✔ Single click simplicity
- ✔ Single pane of glass
- ✔ Single vendor contact

Scalable
- ✔ Scale up and out
- ✔ Non-disruptive growth and upgrades
- ✔ Recovery at scale
- ✔ Wide support for multiple workloads

Secure
- ✔ Multifactor authentication
- ✔ Cybersecurity for Ransomware protection
- ✔ Data at Rest Encryption (SW or SED)
- ✔ Support Immutable Storage

Key Features

Hyper-Available Recovery Platform

- Clustered and Highly Available Platform ensures hyper-availability for customer's critical backup data, eliminating the chances of business interruptions due to backup store downtime
- Shorter backup windows with optimal use of resources given the hyperconverged architecture, saves time and costs unlike traditional systems requiring laborious management needs
- Easily manage SLAs, RPOs and RTOs mandated by company policies, regional requirements, or business requirements with a hyper-available platform

Hyperscaler, optimized for backup consolidation

- Confidently consolidate your backup infrastructure, knowing that your backups reside on a hyper-reliable and hyper-available platform
- Optimized to consolidate backups for enterprises, running exacting workloads, and spread across multiple datacenters
- Nutanix offers a resilient platform with an in-built feature called 'resiliency factor' that offers data availability and redundancy, in cases where a node or disk fails or when the system encounters disk corruptions

Scale-Out and Pay-As-You-Grow

- Seamless scale-out allows customers to start small with just the needed investment and expand as needs increase. Traditional approaches require sizing and upfront investment considerations, eliminated with this approach
- Performance at scale is managed optimally with consistent performance irrespective of the scale-out state, unlike systems whose performance experience degradation with scale
- Eliminates the need for frequent additions or changes to computing resources, often required to optimize system performance, with a hyperconverged and unified architecture

Secure Your Appliance from Any Threat

- Keep your backup system safe with Sophos Intercept X Advanced for Server, shipped with the Hyperconverged Appliances
- Stay protected against any threat, including unknown malware, with a deep learning neural network combined with signature-based protection from common threats
- Prevent major hacking techniques, including credential harvesting, lateral movement, and privilege escalation with exploit prevention
- Stop ransomware attacks on backup data with CryptoGuard and master boot record attacks with WipeGuard

Ransomware-Free IT with Multi-Layer Protection for Business

- Implement secure backup for large data sets on physical, virtual or cloud systems, requiring thorough protection
- Strengthened 'Last-Line of Defense' that offers reliable backup & proven disaster recovery with market leading cybersecurity for proactive server protection
- Nutanix's object store offers tight access controls preventing potential ransomware attacks with restricted visibility that makes it difficult for ransomware to encrypt data

Complete Peace of Mind

- Remove the "do it yourself" complexity of building and strategizing a comprehensive data protection solution that includes needs for a resilient platform, scalability needs for an expanding protection landscape along with cyber security needs by choosing Arcserve's Hyperconverged Data Protection Appliances that offers hyper-availability, incremental and linear scale-out, resilience, security, backup and cloud services – An 'All-in-One' integrated turnkey appliance
- Arcserve offers a single-point of contact, eliminating traditional hassles such as contacting multiple vendors, finger-pointing issues, and other support-related problems
- Experience unparalleled ease of deployment and usability with a simple, wizard-driven setup

Arcserve N Series Specification

Models	N1100-4	N1200-4	N1400-4	N1600-4
Data Protection Software	Arcserve UDP Premium Edition Included			
Hyperconvergence Platform	**Nutanix AOS for AHV Included**			
Cybersecurity Software	**Sophos Intercept X Advanced for Server Included**			
Rack size per node	2U - 4 nodes built-in	1U	2U	2U
Min # of nodes per cluster	4	4	4	4
HDD per node	9.6TB	32TB	96TB	120TB
SSD per node	15.36TB			
RAM per node	512GB	384GB		
Networking per node	Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28, rNDC 406-BBLG			
Processor per node	Intel Xeon Silver 4214R 2.4G, 12C/24T, 9.6GT/s, 16.5M Cache, Turbo, HT (100W) DDR4-2400 338-BVJX			
Cores per node	24			
Raw capacity per cluster	100TB	189TB	445TB	540TB
Usable capacity per cluster	40TB	80TB	160TB	240TB
Drives per cluster	24	16	48	48
Replication Factor / Failover Plan	RF2 (N+1)			

Scale-out Node (add-on)

Models	N1100[a]	N1200	N1400	N1600
Rack size per node	2U - 4 nodes built-in	1U	2U	2U
Number of nodes	4	1 per node	1 per node	1 per node
HDD	38.4TB per cluster	32TB per node	96TB per node	120TB per node
SSD	61.44TB per cluster	15.35TB per node		
RAM	2048GB per cluster	384GB per node		
Raw capacity per node	100TB per cluster	47TB	111TB	135TB
Usable capacity per node	40TB per cluster	25TB	50TB	70TB
Networking	4x of Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28, rNDC 406-BBLG per cluster	1x of Mellanox ConnectX-4 LX Dual Port 10/25GbE SFP28, rNDC 406-BBLG per node		
Processor	4x of Intel Xeon Silver 4214R 2.4G, 12C/24T, 9.6GT/s, 16.5M Cache, Turbo, HT (100W) DDR4-2400 338-BVJX per cluster	1x of Intel Xeon Silver 4214R 2.4G, 12C/24T, 9.6GT/s, 16.5M Cache, Turbo, HT (100W) DDR4-2400 338-BVJX per node		

[a] N1100 scale-out model specification matches with N1100-4 specification

Take the Next Step

Find out more at arcserve.com
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