



- ◆ **Consolidate Server, Desktop, Application and Storage into one appliance with 3X TCO savings.**
The need to constrain and control large amounts of virtualized environments while restraining storage footprint had never been greater. VServer Solution enables accelerated, non-disruptive VM deployments without sacrificing storage and application needs within a single unified architecture.
- ◆ **Fuss-free scalability**
VServer Pro Solution allows easy expansion and shrinkage of systems and data volumes. Each node supports a large number of fully protected VMs, with the networked collection of nodes at both local and remote sites managed as single entity.
- ◆ **Simple to use and manage**
VServer Pro Solution is a purpose-built and self-tuned enterprise-ready solution with automated load balancing and redundant hardware to ensure continuous, uninterrupted operation.
- ◆ **Efficiency for the entire data lifecycle**
VServer Pro achieves a 50 to 1 data efficiency while simultaneously increasing application performance by de-duplicating, compressing and optimizing all data inline, in real time, at inception, once and forever across all stages of the data lifecycle.
- ◆ **5X faster performance than other competitive products**
Outstanding file-based and transaction based performance with high bandwidth, 64-bit architecture, and the latest I/O technologies.
- ◆ **Lock tight security for all IT data and assets**
Best in class security incorporated into every step of the product lifecycle from development to deployment and operation
- ◆ **Speedy Disaster Recovery via Global Clustering and Remote Volume Mirroring**
Capable of mirroring critical data to local and remote locations with FC and / or Ethernet ports



High Value with unbeatable ROI

Today's data centers demand innovation and increasing flawless execution in all virtualized environments. 3Gen VServer Pro is capable of handling application, server, desktop and storage tasks within a single footprint. Packed with enterprise features and protected with a 3 year warranty. VServer Pro delivers integrated desktop/server provisioning, lowers cost of deploying new applications and improves data integrity via 3Gen's advanced High Availability technology.

High Availability and Advanced Data Protection

VServer Pro Solution delivers an enterprise cloud platform that converges server, desktop, storage and virtualization into a resilient, software-defined solution that powers mission-critical workloads at any scale. All systems include hot swap technology and block level volume cloning software for maximum data protection. 3Gen VServer provides automatic backup/restore with file level asynchronous remote data mirroring and block level sync/async volume mirroring. Effortlessly optimize security and capacity with a full suite of enterprise software such as Global Clustering (Active-Active and Active-Passive), WORM, real-time Volume Encryption, dynamic Thin Provisioning and block level data de-duplication(with 70% capacity savings). 50% power and cooling savings over systems requiring physical servers and physical SANs and/or NAS storage devices enables data centers achieve an even lower carbon footprint.

High Usability

VServer Pro has a web based interface can be installed in just 15 minutes with plug-and-play network. IT administrators can finally eliminate stranded storage with 3Gen Thin Provisioning. Preserving investment in staff expertise and capital equipment is easy because with 3Gen's virtualized computing solution, data centers can reduce infrastructure costs and administrative support of physical servers and desktops to just one platform.

High Standardization and Security

A loss of a device no longer means a catastrophic data loss because VServer Pro has a centralized computing format that provides for consistent standards and security across all applications, desktops and servers as well as facilitates remote office support and rollout of applications





Data specifications



V9040 VServer Pro, V9080 VServer Pro, V9120 VServer Pro, V9120 VServer Pro DC
(2U, 3U, 4U and 4U dual controller)

Configuration

Operating System CPU(s) Memory Hard Drive Interface	3GenOS 64bit and vServer Dual Xeon E5-2620 or higher Up to 512GB ECC Registered Memory Serial ATA III or SAS HDDs – 750 HDDs with optional JBOD
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VServer

Client OS (VM) creation, snapshot, cloning and recovery Resource scheduling HBA FC and 10Gb passthru HBA Graphic card passthru Create and upload client OS Live Migration of client OS Client OS High Availability (HA) Client OS Fault Tolerance (FT) Remote Disaster Recovery (DR)	Yes Yes Yes Yes Yes Optional Optional Optional Optional
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Data Protection and Reliability

Hot swap HDD RAID Online Volume Expansion SnapBack / SnapQuick Volume Cloning Redundant Cooling Fans Redundant Power Supply UPS and Environmental Support Storage Gateway Auto-Tiering Block level Data De-duplication Dyanmic Thin Provisioning Data Mirroring Redundant OS Performance Enhancing SSD Clustering (Act.-Act. / Act.-Pass.) FileLock (WORM NAS) Real Time Volume Encryption	True Hot Swap RAID 0, 1, 5, 6, 10, 50 and 60 Yes Yes Yes 3 hot swappable 2 hot swappable Yes Optional Optional Optional Optional Optional Optional Optional Optional Optional
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the next generation of business machines

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