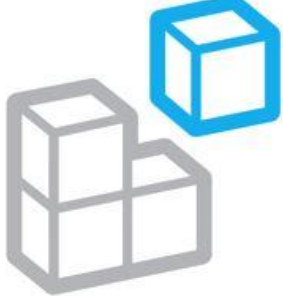


# Get Hyperconverged with

simpliv<sup>ity</sup><sup>™</sup>  and **17Ways**

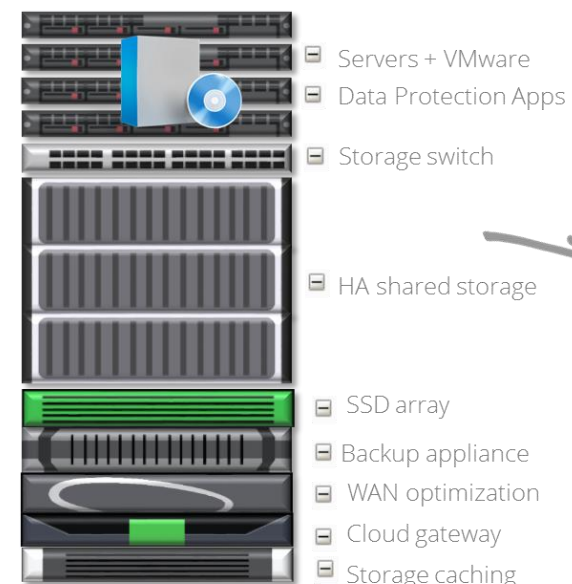
# Get Hyperconverged with **simpliVity™** and **17Ways**

**Join the Web Scale revolution** with SimpliVity's hyperconverged solution. SimpliVity brings cloud-like economics to the data center with its scalable, modular 2U building blocks running on commodity x86 hardware.

**Deploy and manage your virtual server environment with ease.** SimpliVity's Global Unified Management snaps straight into vCenter for simple and efficient management of your environment through a single pane of glass.

**Get pure performance** with SimpliVity's real time de-duplication, compression and optimisation. Data is de-duped and compressed once and forever at the source. The best IO is the one you don't have to have!

**Experience security and peace of mind,** as SimpliVity's powerful data management, data protection and disaster recovery capabilities put you back in control of your data centre.



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167 Phillip Street  
Sydney NSW 2000



# Get Hyperconverged with **simpliVity™** and **17Ways**



## SCALABILITY

Hyperconvergence is a scalable, modular, building block approach, enabling pay-as-you-grow

All components are combined in a single-shared resource pool across not just servers and storage, but the entire legacy stack.



## PERFORMANCE

The data efficiency for SimpliVity's shared resource pool not only eliminates redundancy to optimize capacity, but also eliminates unnecessary writes to HDD and reduces IOPS – improving performance

SimpliVity is designed to support the performance requirements of all enterprise applications



## DATA PROTECTION

Backup, recovery and off-site replication to support disaster recovery are integrated features

Data protection operates at the VM level, enabling RTOs and RPOs without any third-party hardware or software



## GLOBAL UNIFIED MANAGEMENT

All data centre resources are managed from a single pane of glass by a single admin

SimpliVity's Hyperconvergence takes a VM-centric approach to policies and management, and leverage in-place management tools, snapping seamlessly into vCenter

# Get Hyperconverged with simpliVity™ and 17Ways OPTIONS • SOLUTIONS • RESULTS



## DATA EFFICIENCY

Deduplication, compression, and optimisation inline, in real-time, at inception, once and forever

Deduplication addresses another issue in today's modern data centre: IOPS requirements have increased 10x in post-virtualization environments. Inline dedup eliminates IOs before they ever happen



## LOWER TCO

Hyperconvergence provides 3x total TCO savings compared to legacy infrastructure across CAPEX and OPEX

Hyperconvergence matches low upfront capital investment with actual IT needs, enabling IT to scale to match business requirements



## VM-CENTRICITY AND MOBILITY

Hyperconvergence enables one-click operations at the VM level, including backup, restore, and migrations

SimpliVity uses VMs as the basic building block for data management; no more need to manage LUNs, shares, or other storage mechanisms of the past



## OPERATIONAL EFFICIENCY

SimpliVity's Hyperconvergence maximizes employee productivity by automating standard tasks

Hyperconvergence reduces OPEX, including maintenance, power/cooling, bandwidth, and labour

# Get Hyperconverged with **simplivity™** and **17Ways**



## ENHANCED AGILITY

Hyperconverged infrastructure allows IT to solve problems with the speed that the business requires

The ability to rapidly provision new infrastructure and deploy new workloads introduces operational efficiency and responsiveness



## USE OF COMMODITY X86 HARDWARE

Hyperconverged infrastructure is built on commodity hardware; the intelligence resides in the software

Hardware in software-defined data centres (SDDC) differs from hardware in legacy environments. Whereas legacy data centres have proprietary hardware, a SDDC relies on commodity hardware

# SimpliVity Use Cases



## Test and Development

You needed test and development resources yesterday, but you're left waiting. Development has slowed and your milestones and roadmap deliverables are at risk. Delivery date, cost or quality—something has to give. Or does it?

What if your developers could self-deploy virtual machines, inclusive of their associated storage? What if developers could clone a VM and its associated data in a few minutes? And, what if you could maximize the efficiency of your test/dev infrastructure?

SimpliVity hyperconverged infrastructure meets the needs of even the most demanding test/dev environments.



## Data Center Consolidation

You promised to simplify IT and create highly efficient IT operations. You also expected to save money while modernizing your infrastructure. But is your data center consolidation initiative falling short of expectations? Even with meticulous planning, you're vulnerable to service disruption, downtime and data loss on your consolidation journey.

What if you could avert these potential risks? SimpliVity hyperconverged infrastructure is the perfect solution to deliver data center consolidation.



## VDI Implementation

Did you have a false start with VDI? Or maybe you've heard your peers' war stories about VDI's complexity, high costs, or IOPS and high latency causing unpredictable performance. Don't give up yet. These challenges can be overcome.

Virtual desktop infrastructure (VDI) deployed on SimpliVity hyperconverged infrastructure enables cost-effective implementations with a positive end user experience.



## Tier-1 Application Deployment

Most organizations have virtualized more than 50% of their workloads, which includes business-critical Tier-1 applications. With multiple workloads with different IO streams being multiplexed by the hypervisor, the result is random IO streams competing for resources, increasing IOPS required to service the virtual workloads. To resolve the performance problem, do you add more disk spindles? Over-provision storage? Implement flash?

Rather than driving up the cost per gigabyte of storage, deploying SimpliVity hyperconverged infrastructure to host Tier-1 applications delivers both performance and a lower TCO.

# SimpliVity Use Cases



## Remote Office/Branch Office

Do you face challenges managing your organization's remote and branch office IT service delivery? Do you lack the resources, including on-site IT personnel, space- and power-efficient infrastructure, or the budget, to operate your remote site IT efficiently? SimpliVity hyperconverged infrastructure streamlines IT deployment and centralizes multi-site management for global SimpliVity instances via a single interface.



## Data Migration

What does new infrastructure deployment, technology refresh, and consolidation initiatives have in common? They all require data migration. If that's not worrisome enough, you need to migrate data in a way that minimizes risks, costs, and disruption. SimpliVity hyperconverged infrastructure minimizes manual efforts and disruption typically associated with data migration, enabling faster time-to-deployment and time-to-market.



## Cloud Computing

You want the ease of scale, agility and economics of public cloud infrastructure, without compromising on enterprise IT governance for performance, resiliency, and other functionality. That's where private cloud computing or hybrid cloud computing come in. On-premises private or hybrid cloud computing models are easily implemented on SimpliVity hyperconverged infrastructure to enable rapid and elastic scale in response to changing business needs.



## Data Protection

Do you have an insurance policy in place for your applications and data? Has your backup and disaster recovery process or technology implementation become way too complicated? Are there SimpliVity hyperconverged infrastructure includes native data protection, providing VM-centric full backup and replication to your off-site location or cloud storage.



## OmniCube Models

The flexible architecture of OmniStack allows SimpliVity The Data Virtualization Company to offer a range of OmniCube models that apply to a broad range of environments and use cases.

	CN-2200™	CN-3000™	CN-5000™
<b>Targeted Use-Case</b>	All workloads in small to medium environments, or remote offices.	Majority of workloads across a wide range of environments from smallest IT organizations to largest enterprises.	Ultra high-performance application workloads in the enterprise and cloud providers.
<b>Capacity</b>			
<b>Raw Capacity</b>	2 x 400 GB SSD	4 x 400 GB or 800 GB SSD	6 x 400 GB or 800 GB SSD
	8 x 1 TB HDD	8 x 3 TB HDD	18 x 1.2 TB HDD
<b>Effective Capacity</b>	5 - 10 TB*	20 - 40 TB*	15 - 30 TB*
<b>CPU</b>	8 - 24 cores	16 - 24 cores	24 cores
<b>RAM Usable Capacity</b>	71 - 455 GB**	128 - 412 GB**	267 - 651 GB**
<b>Network Connections</b>			
<b>Standard Ports</b>	2 x 10 GbE (SFP+) 2 x 1 GbE (RJ45)		
<b>Optional Ports</b>	2 x 10 GbE (SFP+) and/or 2 x 1 GbE (RJ45)***		
<b>Physical Dimensions</b>	Standard 2U Rack Mounted Chassis		
	3.43"H x 17.5"W x 28.5"D (30.5" with bezel)		
<b>Weight</b>	71.5 lbs	71.5 lbs	65 lbs
<b>Power Supply</b>	Power 8 - 16 Core Units: 2 x 750W Supply Voltage 110/220VAC Frequency: 50/60HZ		
	Power 10, 12, 20, 24 Core Units: 2 x 1100W Supply Voltage 110/220VAC Frequency: 50/60HZ		

\* Effective capacity varies by environment, and is a function of the realized deduplication and compression rates. The capacities mentioned above offer a conservative range based on compression and deduplication rates found in standard primary storage use cases.

\*\* RAM Usable capacity represents estimated memory resources available to virtual applications.

\*\*\* Optional networking ports available for systems with more than one CPU.



## OmniStack with Cisco UCS C-Series Systems

The flexible architecture of OmniStack and Cisco allows a range of models that apply to a broad range of environments and use cases.

Specifications	SimpliVity OmniStack Integrated Solution for Cisco UCS C-Series Systems
Capacity	
Raw Capacity	6 x 400 GB SSD 18 x 1 TB HDD
Effective Capacity	12 - 25 TB*
CPU	16 - 24 Cores
RAM Usable Capacity	256GB - 651GB**
Network Connections	4 X 1GbE (RJ45) plus either 2 X 10GbE (SFP+) or 2 x 10GbE (10GBaseT)
Physical Dimensions	Standard 2U Rack-Mounted Chassis
	3.43"H x 17.54"W x 28.04"D
Weight	60 LBs
Power	Dual Redundant 1200W

\* Effective capacity varies by environment, and is a function of the realized deduplication and compression rates. The capacities mentioned above offer a conservative range based on compression and deduplication rates found in standard primary storage use cases.

\*\* RAM Usable capacity represents estimated memory resources available to virtual applications.

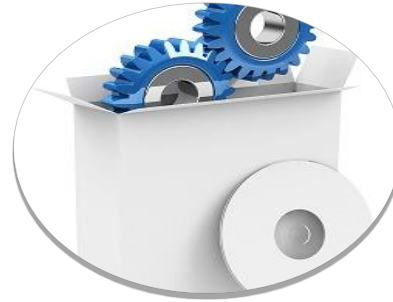
# About 17 Ways

We are an Australian technology company providing hardware, software and advice to Australian businesses.



## Hardware

17 Ways are a reseller of converged and commodity hardware solutions. We are working with a number of the leading international companies in this space. In addition to providing the best solutions for your business we can also provide integration and migration support and can advise on the organisational change required to get the most out of your infrastructure solutions. Alternatively, if you prefer, we can manage the entire system for you.



## Software

17 Ways offer a full range of software development and maintenance services. With senior staff based in Sydney and access to a team of highly skilled programmers and testers, we can provide a high quality service to companies that need custom software development.



## Advice

Technology is increasingly complex and business critical. Making the wrong technology decisions has far reaching consequences for any business. At 17 Ways we have the experience to help you across a range of technical areas including infrastructure, applications, integration, operations, organisational structure and strategy. We can provide advice or implement part or all of the solution for you.