

SHARED INFRASTRUCTURE PROVIDES MORE EFFICIENT USE OF DATA CENTRE RESOURCES



## HI-RESILIENCE CONSOLIDATED INFRASTRUCTURE



AS AUSTRALIA'S LEADING INTEGRATOR OF RISK-TOLERANT IT SOLUTIONS, CSA'S n<sup>+</sup>CONSOLIDATED INFRASTRUCTURE PROVIDES UNMATCHED RESILIENCY THROUGH THE IMPLEMENTATION OF OUR UNIQUE P3 METHODOLOGY & INDUSTRY LEADING DATA CENTRE CONSOLIDATION PRODUCTS.

### PRODUCT COMPONENTS:

HP BladeSystem C-Series  
HP Enterprise Virtual Array  
APC Symmetra  
HP Midsize Tape Libraries  
HP Data Protector  
VMWare

### Benefits of n<sup>+</sup> Hi-Resilience Consolidated Infrastructure

#### > Storage

Through shared SAN infrastructure realise efficiencies in utilisation, zero downtime data protection, and enable synchronous or asynchronous data replication to Disaster Recovery locations.

#### > Processor

Virtualisation provides better utilisation of processing resources, saves on capital investment, enables reliable simple to implement disaster recovery strategies and can also provide for zero downtime backups.

#### > Space & Cabling

Consolidating to shared infrastructure saves space and can minimise cabling requirements within your data centre. BladeSystem layer 2 & 3 interconnect solutions can consolidate cabling at a ratio of up to 16:1, while shared storage minimises the requirement for bulky Direct Attached Storage units.

#### > Power & Cooling

HP Bladesystem C-Class provides redundant power configurations and enables maximum power efficiency by suspending power supplies when utilisation is low to gain maximum efficiency from the remaining power supplies and minimise cooling requirements.

#### > Management

Consolidating to shared infrastructure minimises the number of management consoles for your IT staff to learn and maintain. Tools like VMWare HA, DRS & SRS, HP SIM and it's bolt on plugins can simplify and even automate management procedures saving your IT department time and money and allowing them to work efficiently and effectively in smaller teams.

#### > High Availability

High availability systems architecture provides invaluable insurance against the cost of lost opportunity due to IT system downtime and maximises your return on investment by minimising risk. CSA's n<sup>+</sup> Consolidated Infrastructure has been selected to provide extremely high levels of availability yet low Total Cost of Ownership.



premier business partner



# HI-RESILIENCE CONSOLIDATED INFRASTRUCTURE



CSA's n<sup>+</sup> Consolidated Infrastructure is suited to businesses with four or more servers who are looking to :

- Minimise Total Cost of Ownership
- Provide higher levels of availability
- Implement business continuity measures
- Enable an adaptive IT infrastructure for a dynamic computing environment

## KEY BENEFITS:

Business Continuity

Risk-Tolerance

Proven track record

Certification & competency

Reliable, supported hardware



## > VMWare –

### “Virtual Infrastructure”:

VMWare is the market leader in server virtualisation technologies. With advanced management tools, and a proven track record, VMWare technologies can minimise capital expenditure and maximise your return on hardware investment. VMWare allows business continuity and disaster recovery measures to be achieved with lower system complexity than traditional stretched clusters and with much lower management overhead.

## >APC Symmetra LX -

### “Scalable Power Protection & Redundancy”:

Damage or loss of data due to insufficient power protection and unclean equipment shut downs can be catastrophic in a consolidated environment. APC's Symmetra range provides scalable power protection with optional N+1 redundancy as well as extended runtime options to guarantee availability and provide for hours of runtime in mission critical environments.

## > HP BladeSystem C-Class –

### “Infrastructure In A Box”:

HP's C-Class blade server infrastructure provides N+1 or N+N power redundancy, advanced cooling capabilities, and optional redundant ethernet and fibre channel links to your selected combination of full height, half height and double density server blades along with direct attached storage, shared storage, tape blades and PCI expansion blades. Shared power supplies and integrated layer 2 & 3 interconnect options consolidate space, cabling and management interfaces to further lower Total Cost of Ownership.

## >HP SAN Attached Tape Libraries &

### HP Data Protector –

#### “Protect Your Investment”:

HP's MSL range of high speed, high capacity, fibre channel SAN attached Ultrium tape libraries with options for 24 to 96 cartridge capacity, multiple tape drives, redundant power supplies and hardware encryption provide the perfect companion for HP's Data Protector to protect your data in a SAN environment and maintain a low total cost of ownership.



## > HP Enterprise Virtual Array –

### “Affordable & Reliable Virtualised Storage”:

HP's EVA range provides dual controller storage systems with dual midplane and disk interface drive shelves to provide extremely high availability levels. Storage virtualisation technology has been integrated to develop a SAN storage device which is extremely simple to manage and that scales in both capacity and performance with each added disk. CSA believes that the EVA is not only more reliable than products competing in the same space, but is also much better value for money.

CSA prides itself on an impeccable integration track record. With a focus on product delivery, certification, competency training, and personal research and development strategies, CSA's Systems Engineering team is among the most highly certified and competent in their field. Let us assist in shaping your understanding and realising Business Continuity measures that you, your business, and your clients can depend on.



COMPUTER SYSTEMS AUSTRALIA

[www.csait.com.au](http://www.csait.com.au)

SYDNEY  
Level 7  
153 Walker St North Sydney NSW 2060  
Phone +61 2 9017 3200  
Fax +61 2 9954 6344

NEWCASTLE  
60 Griffiths Rd Lambton NSW 2299  
Phone +61 2 4915 1100  
Fax +61 2 4915 1101

