

SPEC Sheet

FUJITSU PRIMEFLEX vShape 50 with ETERNUS

PRIMEFLEX vShape is a reference architecture providing a reliable solution to address the complex challenges of virtualization such as performance, availability, security, flexibility and efficiency. The partnership between Fujitsu, VMware and Brocade removes the headaches associated with self-configuration and guarantees a tested and perfectly synchronized combination of technologies. By tailoring the solutions to the application's requirements, the purchase cost, time to deploy and provisioning time are all considerably lowered.



Get ready to innovate!

The flexible and scalable PRIMEFLEX vShape solutions combine all aspects of a virtual environment, based on optimized technologies and best practice solutions, with simple implementation and operation. vShape is unique in bringing complete and validated virtual infrastructures, all supported under a single maintenance contract provided by Fujitsu.

Key customer benefits are:

- Validated IT infrastructure for virtualized environments
- Clear management and consolidation benefits
- Optimized to deliver against customer needs:
 - Capacity
 - Performance
 - Availability
- Highly scalable and flexible reference architectures
- Simple, fast and reduced risk implementation
- Improves operational efficiency by reducing costs
- Single point of contact for the maintenance of the complete solution

vShape consists of Fujitsu's ETERNUS storage, Brocade IP switches and VMware hypervisor technology, running on Fujitsu's PRIMERGY servers designed and optimized for virtualization.

The flexible and scalable vShape solutions combine all aspects of a virtual environment, based on optimized technologies and best practice solutions, with simple implementation and operation.

Customers receive a validated pre-designed, pre-integrated, pre-packaged set of infrastructure components delivered with a mandatory deployment service to provide a ready to use virtualization platform for virtual machine workloads.

vShape 50 is designed to support 50 standard virtual machines in a High Availability or Standard configuration.

A customer may have virtual machines of differing sizes to the standard used in defining the vShape platform and still be sure of performance so long as the aggregate specification of the virtual machines do not exceed the defined configuration parameters.

vShape 50 Infrastructure Specifications

	vShape 50 ECO		vShape 50 HA	
	FTS:VSP50E-S-V-B-E		FTS:VSP50-S-V-B-E	
Servers				
Model	PRIMERGY RX2540 M2			
No. of Servers	2		3	
Processors	Intel Xeon E5-2680v4 14C/28T 2.40GHz 35Mb			
CPU/Server	1		1	
RAM/Server	96 GB DDR4-2400 MHz			
10 Gb Ethernet/Server	4			
1 Gb Ethernet/Server	1 (iRMC)			
Further information	http://globalsp.ts.fujitsu.com/dmsp/Publications/public/ds-py-rx2540-m2.pdf			
Networking				
Model	Brocade VDX 6740			
No. of Switches	1		2	
Total 10GbE Ports	24		48	
Further information	http://www.brocade.com/en/backend-content/pdf-page.html?/content/dam/common/documents/content-types/datasheet/brocade-ndx-6740-switches-ds.pdf			
Storage				
Model	ETERNUS DX100 S4	ETERNUS AF250	ETERNUS DX100 S4	ETERNUS AF250
Disk Type	SAS 10K 600 GB	SSD 960 GB	SAS 10K 600 GB	SSD 960 GB
No. of Disks, (Data/Spare)	22, (20/2)	14, (13/1)	22, (20/2)	14, (13/1)
Usable Capacity (TB)	5			
Total IOPS	2500	15000	2500	15000
Host Interfaces 1GbE/10GbE	0/4			
Further information	https://sp.ts.fujitsu.com/dmsp/Publications/public/ds-eternus-dx100-s4-ww-en.pdf https://sp.ts.fujitsu.com/dmsp/Publications/public/ds-eternus-af250-ww-en.pdf			
Rack Infrastructure				
Model	PRIMECENTER M2 Rack 42U 1200x800			
Dimensions	1200x800			
Height Units	42			
Populated Height Units	8HU		11HU	
Software				
Fujitsu	ServerView Suite and iRMC S4 advanced pack ETERNUS SF Replication Bundle included in vShape configurations with ETERNUS DX comprises Storage Cruiser Standard, AdvancedCopy Manger Local Copy, Remote Copy, for Exchange Server and for SQL Server licenses. All-in FlashPack included in vShape configurations with ETERNUS AF250 comprises Storage Cruiser Standard, AdvancedCopy Manager local & Remote Copy and Storage Cruiser Quality of Service Management Option. AdvancedCopy Manage for Exchange Server and for SQL Server is included in these configurations with ETERNUS AF250.			
VMware	Included: VMware vSphere 6 Essentials Plus Optional: VMware vSphere 6 Standard/Enterprise/Enterprise Plus or vCenter Standard are also available, please speak with your Fujitsu pre-sales representative regards upgrades and costs.			
Supported Operating Systems	As defined by the guest OS support matrix from VMware see: http://partnerweb.vmware.com/comp_guide2/pdf/VMware_GOS_Compatibility_Guide.pdf			
Systems Management				
	As part of the implementation services, Fujitsu Professional services will deploy two virtual management servers to support further configuration and daily administration/management of the vShape infrastructure. The management servers include the following services:			
Fujitsu	ServerView Operations Manager Storage Cruiser Standard			
VMware	VMware vCenter and relevant client for access			

vShape 50 Environmental Information

	vShape 50 ECO		vShape 50 HA	
Installation Specification				
Dimensions (W x D x H)	800mm x 1,200mm x 2,000mm			
Transport Dimensions (W x D x H)	900mm x 1,400mm x 2,150mm (approx.)			
Service Area: Front	900 mm (35.43 inch) or more			
Service Area: Rear	900 mm (35.43 inch) or more			
Configured Weight	242.72Kg	229.72Kg	273.56Kg	260.56Kg
Maximum Possible Payload	840 Kg			
Power	Voltage: AC 200 – 240v Phase: Redundant House Connections Required: 2 x AC CEE 16AMP			
Active Power (According to construction)	1292.34W	1215.77W	1628.51W	1551.94W
Heat emission (According to construction)	4652.46 kj/h (4410.74 BTU/h)	4376.83 kj/h (4149.44 BTU/h)	5862.69 kj/h (5558.09 BTU/h)	5587.06 kj/h (5296.79 BTU/h)
Temperature (operating)	5 – 35°C (41 – 95°F)			
Humidity (operating)	20 – 80% RH			
Network Connections (House Connections Required)	2 x 10GbE FCLC		4 x 10GbE FCLC	
Professional Services				
Deployment Service	Optional (Mandatory in UK/Ireland)			
Integration Service	Optional			
Maintenance & Support Services				
	Service Pack is Mandatory (excludes rack infrastructure)			
Service Period	3 years or 5 years			
Service Type	Classic	Superior	Premium	
Service Level	5x9 with 4 hour response	7 x 24 with 4 hour response	7 x 24 with 8 hour recovery (requires validation check)	
Proactive Services	Optional		Bi-Yearly	
	For details see separate solution contract datasheet			
General Notes				
Admin client (additionally required)	Server or PC with operating system, browser and java are required to access the management server hosted within the vShape.			
SQL Server Instance (additionally required)	For 50 and above Virtual machines vCenter requires an SQL database instance.			
Windows Server 2016 Standard License (required)	vShape deployments include two virtual management servers, as such two Windows Server (virtual use right) licenses are required.			
Installation	By consultants certified through Fujitsu in accordance with the installation guide and the related documents.			
Implementation	Installation, configuration and implementation require detailed knowledge of the whole vShape Infrastructures for VMware solution and the supporting software components and must be done by Fujitsu professional service or certified consultants.			
User Skills	Configuration and daily administration require a good working knowledge of: VMware vSphere and vCenter, Brocade VDX Switches, Storage Cruiser Standard, Fujitsu ServerView Suite			

Contact

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