



SPC BENCHMARK 1™

EXECUTIVE SUMMARY

FUJITSU LIMITED ETERNUS DX200 S4

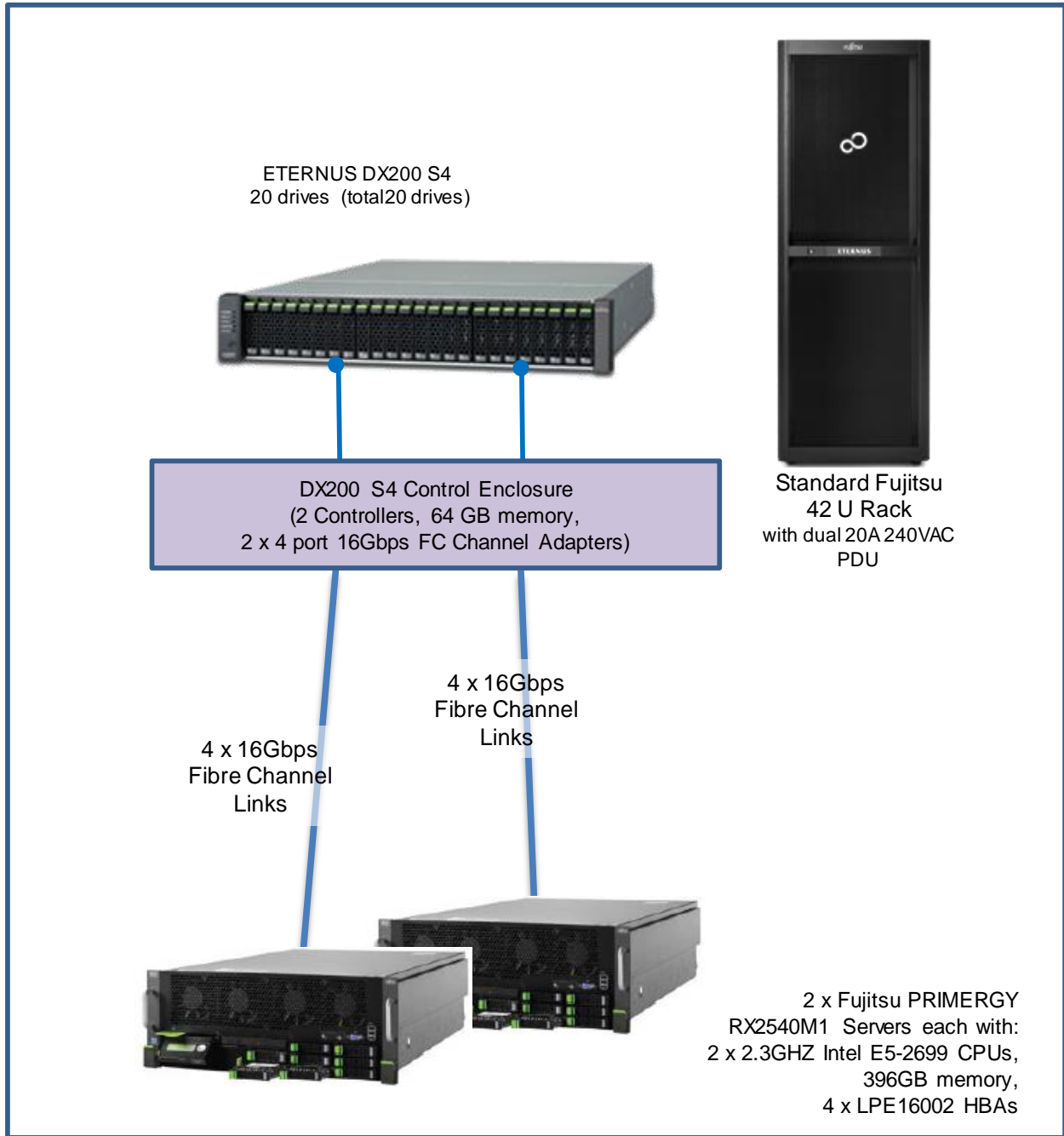
SPC-1 IOPS™	300,056
SPC-1 Price-Performance™	\$213.08/SPC-1 KIOPS™
SPC-1 IOPS™ Response Time	0.598 ms
SPC-1 Overall Response Time	0.336 ms
SPC-1 ASU Capacity	3,924 GB
SPC-1 ASU Price	36.21/GB
SPC-1 Total System Price	63,935.19
Data Protection Level	Protected 2 (RAID1)
Physical Storage Capacity	8,000 GB
Pricing Currency / Target Country	U.S. Dollars / USA

SPC-1 v3.4.0

SUBMISSION IDENTIFIER: A32001

SUBMITTED FOR REVIEW: MAY 31, 2017

Benchmark Configuration Diagram



Tested Storage Product Description

The scalable and unified Fujitsu Storage ETERNUS DX200 S4 delivers enterprise-class functionality to small and medium-sized companies and subsidiaries with an excellent price/performance ratio. It is the perfect solution when consolidating data for server virtualization, e-mail, databases and business applications as well as centralized file services.

Priced Storage Configuration Components

4 x Emulex LPe16002 dual port 16 Gb Fibre Channel HBAs
1 x DX200 S4, with: <ul style="list-style-type: none">2 x Controller Modules (CM) each with:<ul style="list-style-type: none">32 GB cache (64 GB total)1 x Channel Adapter (CA) with<ul style="list-style-type: none">4 x 16 Gbps Fibre Channel Host Ports20 x 400 GB SSD devices (without Hot Spare)

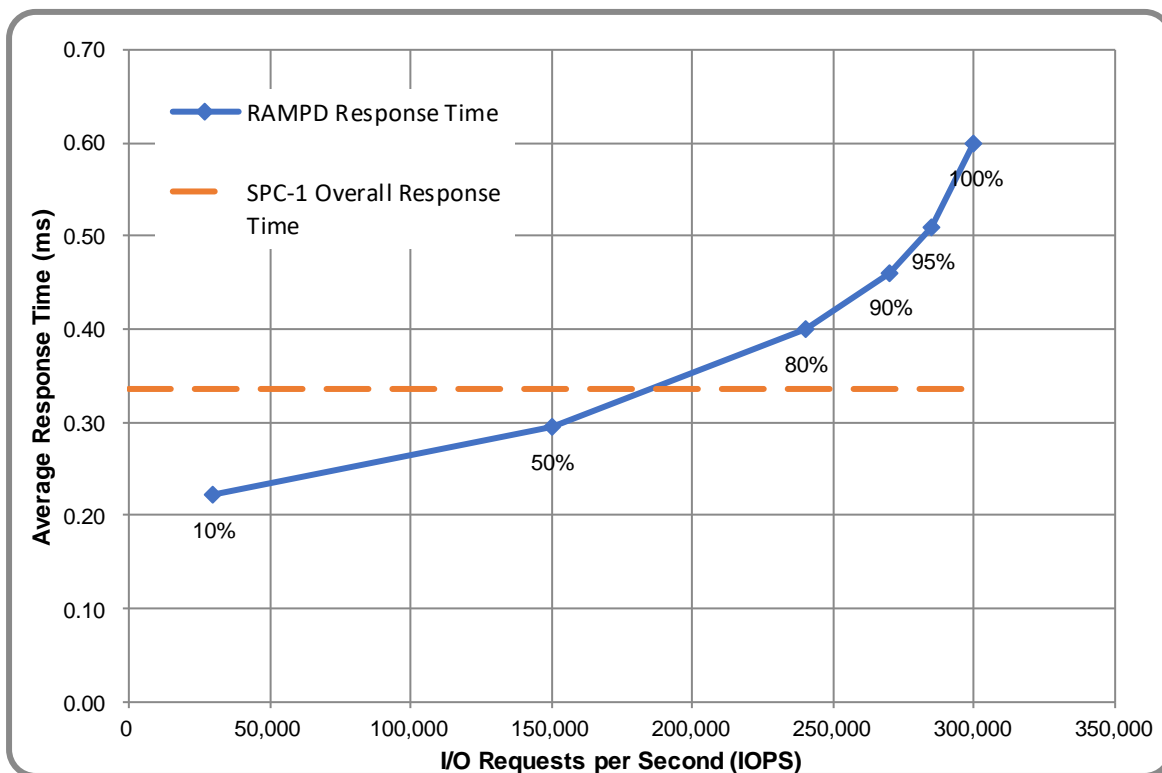
Storage Configuration Pricing

	Description	Qty	Unit Price	Ext. Price	Disc.	Disc. Price
Hardware						
ET204AU	DX200 S4 Base System Rackmount (AC200V, 2RU)(2.5" type)	1	3,260	3,260	40%	1,956.00
ETVCHFJ	Controller module for DX200 S4 (2CM, 16Gbit/s, FC, 4port, for Standard model)	1	15,190	15,190	40%	9,114.00
ETVHHG	Host interface for DX100 S4/DX200 S4 (16Gbit/s, FC, 2port)	2	1,820	3,640	40%	2,184.00
ETVSA4A	SSD(2.5inch) 400GB x1 for DX200 S4	20	3,090	61,800	40%	37,080.00
S26361- F4994- L502	PFC EP LPe16002	8	1,418	11,344	40%	6,806.40
ETFKC05U	AC Power Cords (125V - IEC320-C14, 0.5m)	2	80	160	40%	96.00
61- 343827- 003	Fibre Channel Host IF Cable LC/LC - 3m	8	132	1,056	0%	1,056.00
Hardware Subtotal						58,292.40
Support & Maintenance						
	Provide 24 hour per day / 7days per week 4 hour response maintenance for 36 months					
ETD200- W025360- ADE	Warranty Service, 36 monthsStandard, 9x5 phone, NBD response	1	-	-	0%	-
ETD200- U004361- ADE	Warranty Uplift, 36 monthsEnhanced plus, 24x7 4hr Onsite	1	7,053	7,053	20%	5,642.78
Support & Maintenance Subtotal						5,642.78
SPC-1 Total System Price						63,935.19

Discount Details: The discounts shown are generally available and based on the capacity and total price of the storage configuration purchased.

Availability Date: Currently Available.

Response Time and Throughput Graph



Contact Information	
Test Sponsor Primary Contact	Fujitsu Limited – http://www.fujitsu.com/services/computing/storage/ Kun Katsumata – kkatsumata@us.fujitsu.com
SPC Auditor	InfoSizing – www.sizing.com Doug Johnson – doug@sizing.com

Revision Information	
SPC Benchmark 1™ Revision	v3.4.0
SPC-1 Workload Generator Revision	v3.0.2-1-g823a
Publication Revision History	<ul style="list-style-type: none"> • First Edition: May 31, 2017 • Second Edition: February 15, 2018 <ul style="list-style-type: none"> ○ Updated SPC-1 Price-Performance™ metric based on SPC-1 v3.6.0 definition. • Third Edition: April 17, 2018 <ul style="list-style-type: none"> ○ Correct Committed Data Persistence Implementation description. Correct typos in RAID group info in Appendix D.