Requirement List from eDesigner

5000 New-Gen OceanStor Dorado

Huawei Technologies Co., Ltd.

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NE	Product Name	Parameter Name	Parameter Value
Storage	OceanStor Dorado 5000		
		Configuration Scenario (Parts in the new project cannot be used for expansion)	New Project
		Configuration Mode	Traditional Mode
		Number of Controllers	Dual-Controller
		eDesignerVer	V700R001C10
		Protocol Configuration (SAN, NAS, and Object)	SAN
		Specifications per Dual-Controller	NVMe, 512GB Cache
		Quotation Mode	Available Capacity + Deduplication & Compression
		RAID Type	RAID 6
		Hot Spare Policy	Low (1 disk)
		SmartDedupe & SmartCompression License	General Edition (Per Set)
		Total Available Capacity (TiB)	185
		7.68 TB SSD NVMe Palm Disk Unit (7", Encryption Disk Unit)	30
		Interface Module Type 1	4 * 32Gb FC
		Number of Type-1 Interface Modules (PCS) (Must Be an Even Number)	2
		SAN License Bundle (Including Thin,Snap,Replication,Clone,QoS,Erase,DME IQ,Virtualization,Metro,CDP,Multi-Tenant)	Required

No.	Parameter Name	Parameter Value	Parameter Remark
1	Product Design		
	Product Model	OceanStor Dorado 5000	
	Software Version	V700R001C10	
	Business Type	SAN	
1.10	Controller		
	Number of Controllers	Dual Controllers	
	Dual-controller Specs	NVMe, 512GB Cache	
	Quotation Mode	Available Capacity + Deduplication & Compression	
	SmartDedupe & SmartCompression License	General Edition (Per Set)	
1.20	Disk Configuration		
	Disk Type	7.68 TB SSD NVMe (Encryption)	
	RAID Type	RAID6	
	Number of Disks in a RAID Group	25	
	Hot Spare Policy	Low (1 disk)	
	Number of Disks (SAN)	30	
	Effective Capacity (TiB)	371.82	
	Hot Spare Capacity (TiB)	6.43	
1.30	Interface Module		
1.3.1	Controller Enclosure 1		
	SAN Rate	4 * 32Gb FC	
	Number of SAN Cards	2	
	Container Object Rate	NA	
	25Gb RoCE SmartContainer Connect I/O Module (PCS)	0	
	Disk Configuration	7.68TB NVMe SSD(7,Encryption Disk) : 30	
	Smart NVMe Disk Enclosures	0	
	Enclosures per Loop	1	
	100Gb RDMA I/O Module (QSFP28, for Back-End) (PCS)	0	
1.40	Service		
1.4.1	SAN Service Model		
	Performance Percent	100%	
	SAN Multipathing Software	Huawei UltraPath	

	Application	Default Scenarios	
	Data Reduction Ratio	2	
	Non-reducible Capacity (TiB)	0	
1.50	Advanced Settings		
1.5.1	SAN Service Model		
	Display Initial Performance?(Cannot be used as deliverable value)	No	
	Sequence Read Ratio	0%	
	Sequence Write Ratio	0%	
	Read Hit Ratio	0%	
	Write Hit Ratio	0%	
	Latency	1 ms	
	Working Set (%)	5.00%	
	Value-added Feature	Not required	
1.5.2	Value-added Software		
	SAN License Bundle (Including Thin,Snap,Replication,Clone,QoS,Erase,DME IQ,Virtualization,Metro,CDP,Multi-Tenant)	Yes	
	NAS License Bundle (Including CIFS,NFS,NDMP,Thin,Snap,Replication,Clone,QoS,Erase,Metro,CDP,Lock,DME IQ,Audit,DNS,Move)	No	
	Object License Bundle (Including S3,Thin,Snap,Clone,QoS,Erase,CDP,DME IQ,DNS)	No	
	SAN Migration Service	No	
	HyperEncryption License	No	
1.5.3	SmartContainer-based Feature Evaluation		
	SmartContainer-based Feature Evaluation	None	
2	Product Capacity		
2.10	Product		
	Product Type	OceanStor Dorado 5000	
	Controllers	2	
	Dual-Controller Cache	512GB	
	Disk Type	NVMe	
2.20	Disk Capability		

2.2.1	Disk		
	Available Capacity	185.91	TiB
	Number of Disks	30x7.68TB NVMe SSD(7,Encryption Disk)	
2.30	Port Capability		
2.3.1	FC		
	Number of FC Card Ports	8	
	FC Rate	32G FC	
3	Capacity		
3.10	Available Capacity		
	Available Capacity	185.91	TiB
3.1.1	Physical Capacity		
	Raw Capacity(TiB)	209.54	
	Hot Spare Capacity(TiB)	6.43	
3.1.2	Logical Configuration		
	Storage Pools	1	
	SAN RAID Type	23D+2P	
4	SAN Service Model		
4.10	Parameter adjustment		
	Service Type	Default	
	Protocol	FC	
	Size of IO Block	16K	
	Read Ratio	70%	
	Steady-State Performance	361,040	IOPS
	Steady-State Bandwidth	5,641	MB/s
	Latency	1	ms
	CPU Utilization Rate	100.00%	

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