Requirement List from eDesigner

Storage Configuration Wizard(OceanStor Dorado V3&V6)

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Location: Moldova

Huawei Technologies Co., Ltd.

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NE	Product Name	Product Quantity	Parameter Name	Parameter Value
Storage Equipment	OceanStor Dorado 5000 V6	1		
			Configuration Scenario	New Project
			4 ports SmartIO I/O module (SFP28, 32Gb FC) (Including multi-mode optical modules)	1
			SAN Advanced License(Including OceanStor OS,DeviceManager,Thin,Migration,Snap,Replication,Clone,QoS,Erase,eService,CDP,Virtualization,Metro)	Yes
			Quotation Mode	Physical Capacity
			4 ports SmartIO I/O Modules (SFP+,16Gb FC) (Including multi-mode optical modules)	1
			3.84TB SSD SAS Disk Unit (2.5")	19
			Number of Controllers	Dual-Controller
			The use of NVMe over Fabric (FC-NVMe or RoCE) protocol is closely related to the maturity of application scenarios and network ecosystems. If any project requires , contact MO for evaluation	No
			SAN, NAS, or SAN + NAS	SAN
			Cross-chassis RAID	No
			eDesignerVer	6.1.2
			Specifications per Dual-Controller	SAS, 256GB Cache
Storage Equipment	Storage Software	1		
			Duration(Months)	0
			Level	Hi-Care Application Software Upgrade Support Service
			Software Type	Hi-Care
			Duration(Years)	5

SortNo.	ProductName	ProductQuantity	Volume		Weight		Power Consumption				Height of Equipment
			Net Volume (m^3)	Pack Volume (m^3)	Net Weight (kg)	Pack Weight (kg)	Max Power Consumption (W)	Typical Power Consumption (W)	Min Power Consumption (W)	Max Power Consumption at a Normal Temperature (W)	Height of Equipment (U)
1	OceanStor Dorado 5000 V6	1	0.03	0.25	38.90	54.15	1,006.40	710.70	636.20	763.40	2
	Subtotal	1	0.03	0.25	38.90	54.15	1,006.40	710.70	636.20	763.40	2

The eDesigner supports the ability to collect statistics on power consumption of parts.

1. Maximum power consumption: The eDesigner collects statistics on the possible maximum power consumption of each part if all electrical ports on a device are used and the maximum number of optical modules are configured.

2. Typical power consumption (the actual power consumption in the typical state): The eDesigner collects statistics on power consumption of each part in the typical state. The typical state is the state in which a device is functioning on the live network in most scenarios and in most of the time.

3. Minimum (or static for some devices) power consumption: The eDesigner collects statistics on power consumption of each part if a device is powered on, but all ports are down and no services are provided.

No.	Parameter Name	Parameter Value	ParameterRemark
	Topology Display	0	
	Configuration Scenario	New	
	Product Series	OceanStor Dorado V6	
	Networking Type	SAN	
	Quotation Mode	Physical Capacity	
	Service Type	VSI	Please contact SA for evaluation of mixed service types.
	Application	VMware/Hyper-V/FusionSphere	
	Protocol	FC	
	Required Capacity	50	TiB
	Required Performance	180,000	
1	Detailed Requirements		
	Read Ratio	50%	
	Write Hit Ratio	50%	
	Read Hit Ratio	10%	
	Size Of IO Block	8K	
	Latency	1 ms	
	Value-added Software	HyperMetro	
	Value-added Software Affect Ratio		
	Value-added Software Capacity Reserve Ratio	0.10%	
	Model	Cross-Datacenter	
	Distance(KM)	10	
2	Detailed Configuration		
2.10	Product Configuration		
	Product Model	OceanStor Dorado 5000 V6	
	Software Version	6.1.2	
	Storage Array Type	Dual Controllers	
	The Type of Each Dual-Controller Unit Configuration	SAS, 256GB Cache	
	Whether the cross-disk-enclosure RAID feature is required ?	No	

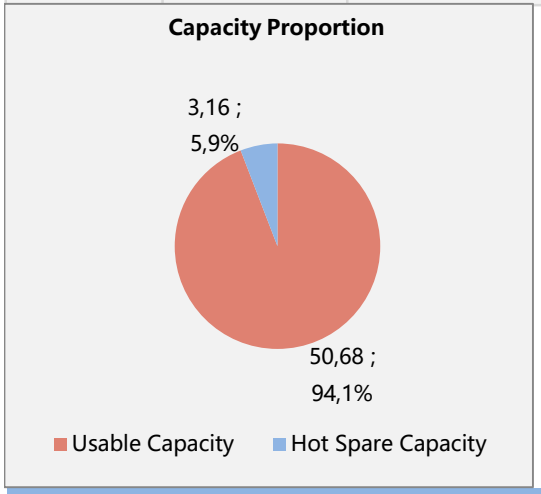
	Whether a unified management platform DME Storage is required	No	Unified automatic platform or unified O&M platform
2.1.1	Disk Configuration		
	Number of Storage Pool	1	
	Disk Type	3.84TB SSD(2.5")	
	RAID Type	RAID6	
	Hot Spare Policy	Low(1 disk)	
	Disk Quantity	19	
	Usable Capacity	50.68	TiB(The capacity unit displayed on DeviceManager is TB, but the actual capacity unit is TiB. Ensure that the capacity unit is consistent with that of the customer in advance.)
	Hot Spare Capacity	3.16	TiB
2.1.2	Interface Module		
2.1.2.1	Dual-Controller Unit 1		
	The Front-End Host Expand Interface Module Type	SmartIO 16Gb FC(4Port); SmartIO 32Gb FC(4Port)	
	4 port SmartIO 16Gb FC I/O module(pair)	1	
	4 port SmartIO 32Gb FC I/O module(pair)	1	
	Disk Configuration	3.84TB SSD(2.5) : 19	
	2.5" Standard SAS Disk Enclosure (Dual-Controller Unit 1)	0	
	4 port 4*12Gb SAS I/O module(MiniSAS HD) (pair)	0	
	AI Accelerator Card(Supported in 6.0.1 and Later)(pair)	0	
2.1.3	Performance Indicators		
	Value-added Software Open Bandwidth/ Latency	2409 / 1.13ms	MB/s
	Value-added Software Open IOPS / Latency	308437 / 1.13ms	
	Read Ratio	50%	
	Service Type	VSI	
	Note:		
2.1.4	Capacity Indicators		

	Usable Capacity	50.68	TiB(The capacity unit displayed on DeviceManager is TB, but the actual capacity unit is TiB. Ensure that the capacity unit is consistent with that of the customer in advance.)
	Total Effective Capacity	50.62	TiB
	Hot Spare Capacity	3.16	TiB
2.1.5	Value-added Software		
	Advanced License(Including OceanStor OS,DeviceManager,Thin,Migration,Snap,Replication,Clone,QoS,Erase,eService,CDP,Virtualization,Metro)	Yes	

No.	Parameter Name	Parameter Value	ParameterRemark
1	Product Selection		
	Note:		Please check the Integrity and deliverability of the service package with the service manager.
	Industry	Others	
1.10	Basic Service		
	Whether Need Storage Data&Device Retention Service	No	
	Whether Need Technical Support Service(Warranty Service)	Yes	
1.1.1	Storage Software Technical Support Service		
	Service Type	Hi-Care	
	Service Level	Hi-Care Application Software Upgrade Support Service	
	Service Duration(Year(s))	5	
	Service Duration(Month(s))	0	
1.1.2	Storage Technical Support Service		
	Service Type	Co-Care	
	Service Level	Co-Care Standard	
	Service Duration(Year(s))	5	
	Service Duration(Month(s))	0	
1.20	Professional Services		
	Need Traditional DR and Backup Service or not	No	
	Need Storage-Data Migration Service or not	No	
	Need the planning, design, and implementation services or not	No	

Configuration Summary

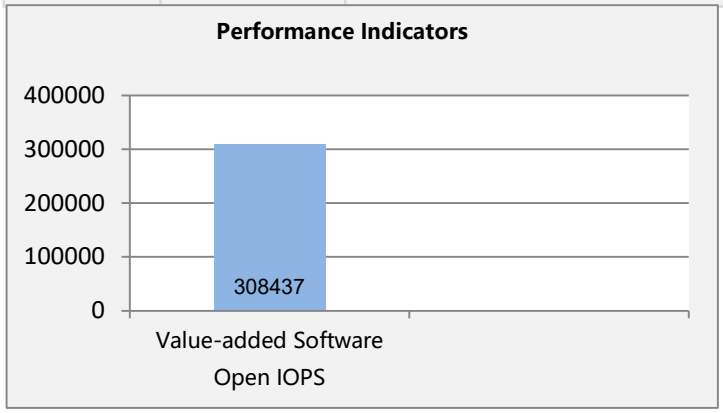
DRIVERS	NUM	MODEL	RAID	WORKLOAD	USABLE(TiB)	HOTSPARE(TiB)
SSD	19	3.84TB SSD(2.5)	RAID6	8KB R:50%	50,68	3,16



Usable Capacity	**50,68**
Hot Spare Capacity	**3,16**

Performance Summary

DRIVERS	NUM	MODEL	RAID	WORKLOAD	PERFORMANCE	LATENCY
SSD	19	3.84TB SSD(2.5)	RAID6	8KB R:50%	308437	1ms



Value-added Software Open	**308437**