

# Requirement List from eDesigner

MD\_ASP\_LOT\_4\_v001\_min\_sizing\_16K\_100%



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No.	Parameter Name	Parameter Value	ParameterRemark
	Topology Display	0	
	Configuration Scenario	New	
	Product Series	OceanStor Dorado V6	
	Networking Type	SAN	
	SAN Multipathing Software	Huawei UltraPath	
	Quotation Mode	Physical Capacity + Deduplication & Compression(Per TB)	
	SmartDedupe & SmartCompression License	General Edition (Per TB)	
	Data Reduction Ratio	2	
	Service Type	Databases	Please contact SA for evaluation of mixed service types.
	Application	Oracle	
	Application Type	OLTP	
	Protocol	FC	
	Required Capacity	1,090.00	TiB
	Required Performance	500,000	
<b>1</b>	<b>Detailed Requirements</b>		
	Display Initial Performance*?(Cannot be used as deliverable value)	No	
	Read Ratio	70%	
	Sequence Read Ratio	70.00%	
	Sequence Write Ratio	30.00%	
	Read Hit Ratio	0%	
	Write Hit Ratio	0%	
	Size Of IO Block	16K	
	Latency	1 ms	
	Working Set(%)	5.00%	
	Value-added Feature	No Need	
<b>2</b>	<b>Detailed Configuration</b>		
<b>2.10</b>	<b>Product Configuration</b>		
	Product Model	OceanStor Dorado 8000 V6	
	Software Version	V700R001C00	
	Storage Array Type	Quad Controllers	
	The Type of Each Dual-Controller Unit Configuration	NVMe, 512GB Cache	
	Whether the cross-disk-enclosure RAID feature is required ?	No	
	Whether a unified management platform DME is required	No	Unified automatic platform or unified O&M platform
<b>2.1.1</b>	<b>Disk Configuration</b>		
	Number of Storage Pool	1	
	Disk Type	30.72TB NVMe SSD(7")	
	RAID Type	RAID6	
	Disks of Single RAID Group	25	
	Hot Spare Policy	Low(1 disk)	
	Disk Quantity	25	
	Effective Capacity	1,111.60	TiB
	Hot Spare Capacity	25.84	TiB
<b>2.1.2</b>	<b>Interface Module</b>		
	Mode selection	Performance Mode	
<b>2.1.2.1</b>	<b>Controller Enclosure 0</b>		
	4 port SmartIO 16Gb FC I/O module(pair)	2	
	4 port SmartIO 32Gb FC I/O module(pair)	0	
	Disk Configuration	30.72TB NVMe SSD(7) : 25	
	Smart NVMe Disk Enclosure	2	
	2 ports 100Gb RDMA I/O module(QSFP28,for Back-End)(pair)	2	
<b>2.1.3</b>	<b>SmartContainer-based Feature Evaluation</b>		
	SmartContainer-based Feature Evaluation	None	
<b>2.1.4</b>	<b>Capacity / Performance Indicators</b>		
	Effective Capacity	1,111.60	TiB

	Hot Spare Capacity	25.84	TiB
	Third-party Multipathing Performance	1,016,862	IOPS
	Huawei UltraPath Bandwidth	15,888	MB/s
	Huawei UltraPath Performance	1,016,862	IOPS
	CPU Utilization Rate	100.00%	
	Read Ratio	70%	
	Service Type	OLTP	
	Note:		
2.1.5	Value-added Software		
	Advanced License(Including OceanStor OS,DeviceManager,Thin,Migration,Snap,Replication,Clone,QoS,Erase,DME IQ,CDP,Virtualization,Metro)	Yes	

No.	Parameter Name	Parameter Value	ParameterRemark
	Third-party Multipathing Performance	1,016,862	IOPS
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)	No	
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	Yes	
1.2.1	Planning, Design, and Implementation Service		
	If Need Planning and Design Service + System Deployment and Commissioning Service + Acceptance Test services	Yes	
	If Need Carefree Configuration Services	Yes	
	Number of engines	1	
	Number of disk enclosures	2	