



ISTITUTO POLIGRAFICO
E ZECCA DELLO STATO

Direzione Acquisti

Numero di gara: 5354667

**PROCEDURA APERTA AI SENSI DEL D.LGS. N. 163/2006 PER L’AFFIDAMENTO
DELLE FORNITURE E DEI SERVIZI NECESSARI AL
POTENZIAMENTO DEI SISTEMI STORAGE AREA NETWORK (SAN)**

ALLEGATO 1 AL CAPITOLATO TECNICO



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1 LOTTO 1 - Fornitura di un sistema Storage Enterprise ad Alte Prestazioni per Ambiente Mission Critical DB e relativi servizi connessi

Di seguito le caratteristiche delle componenti Hardware e Software richieste relativamente all'implementazione del nuovo sistema Storage Enterprise ad Alte Prestazioni per Ambiente Mission Critical DB.

1.1 HARDWARE

Sistema Storage e componenti hardware aggiuntive:

- 112 TByte Raw
- 128 GByte di Cache
- 16 Canali FC
- In-System Replication Bandle 10 TB

Model	VSP-A0001.S	
Model Code	Descrizione	Quantità
041-100065-01.P	Virtual Storage Platform Microcode Kit	1
041-100066-01.P	Virtual Storage Platform Product Documentation Library	1
A3BF-M-PL-PDU.P	Mounting plate for PDU	4
A3CR-123294-51.P	PDU 0RU 12xC13 2xC19 1Phase 230V 32A 2P+E	4
DKC-F710I-16UFC.P	Fibre 16-Port HOST Adapter (8Gbps)	1
DKC-F710I-3R0H3M.P	LFF NL-SAS 3TB Disk Drive 3.5 inch	32
DKC-F710I-400MCM.P	SFF 400GB MLC SSD	4
DKC-F710I-900JCM.P	SFF 900GB Disk Drive 2.5inch	16
DKC-F710I-BCH.P	Bezel Kit - DKC	1
DKC-F710I-BM128.P	Cache Flash Memory Module (128GB)	1
DKC-F710I-BUC.P	DEV Cable from Controller to 1st Drive Chassis	1
DKC-F710I-BUH.P	Drive Chassis Bezel - HDS	2
DKC-F710I-C32G.P	Cache Memory Module (32GB)	4
DKC-F710I-DECO.P	Decoration Panel - HDS	1
DKC-F710I-FIHT.P	Filler Panel	2
DKC-F710I-PHEC.P	DKU Power Cord Kit (Europe)	2
DKC-F710I-PLEC.P	DKC Power Cord Kit (Europe)	1
DKC-F710I-RK42.P	Rack - 42U	1
DKC-F710I-SBX.P	SFF Drive Chassis	1
DKC-F710I-SCA.P	Disk Adapter	1



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DKC-F710I-SCOV.P	Side Cover	1
DKC-F710I-UBX.P	LFF Drive Chassis	1
DKC-F710I-USC.P	Device Interface Cable US - HDS	1
DKC710I-CBXA.P	Primary Controller Chassis	1
DTI4GL.P	4GB USB memory stick with lanyard	1
IP0662-14.P	LAN Cable 14ft	1
IP0665-11.P	RJ-11 Modular In-Line Coupler 4 Conductor	1
IP0665-45.P	RJ-45 Modular In-Line Coupler 6 Conductor	1

Model	VSP-SPARES.S	
Model Code	Descrizione	Quantità
DKC-F710I-3R0H3M.P	LFF NL-SAS 3TB Disk Drive 3.5 inch	1
DKC-F710I-400MCM.P	SFF 400GB MLC SSD	1
DKC-F710I-900JCM.P	SFF 900GB Disk Drive 2.5inch	1

Model	VSP-INSTALL.S	
Model Code	Descrizione	Quantità
043-991826-01.P	SVC VSP Installation Planning	1
043-991828-01.P	SVC VSP Installation - Control Frame	1

Model	VSP-MAINT.S	
Model Code	Descrizione	Quantità
043-992215-01.P	SVC VSP 400GB SSD Warranty Yr-A (Per SSD 1mo)	180
043-991846-01.P	SVC VSP SBX 1Mo Yr-A Warranty Service	36
043-991855-01.P	SVC VSP UBX 1Mo Yr-A Warranty Service	36
043-991837-01.P	SVC VSP CC 1Mo Yr-A Warranty Service	36

1.2 SOFTWARE

Licenze e componenti Software:

Model	VSP-SW-PERPETUAL.S	
Model Code	Descrizione	Quantità
044-230002-01.P	VSP In-System Replication Media Kit	1
044-230002-010.P	VSP In-System Replication 10TB Block License	1
044-230002-01B.P	VSP In-System Replication 1-VSD Pair Base License	1
044-230002-03.P	VSP In-System Replication 10TB Base License	1

Affidamento delle forniture e dei servizi necessari al potenziamento dei Sistemi Storage Area Network (SAN) – Allegato al Capitolato Tecnico



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Model	VSP-SW-PERP-SPT.S	
Model Code	Descrizione	Quantità
304-230002-010.P	SVC VSP In-System Replication 10TB Block License - SW Sppt	36
304-230002-01B.P	SVC VSP In-System Replication 1-VSD Pair Base - SW Sppt	36
304-230002-03.P	SVC VSP In-System Replication 10TB Base License - SW Sppt	36

Model	HSCS-VSP-SW-PERP.TL.S	
Model Code	Descrizione	Quantità
044-230001-01.P	VSP Basic Operating System Media Kit	1
044-230001-010.P	VSP Basic Operating System 10TB Block License	1
044-230001-01B.P	VSP Basic Operating System 1-VSD Pair Base License	1
044-230001-03.P	VSP Basic Operating System 20TB Base License	1
044-230001-050.P	VSP Basic Operating System 50TB Block License	1

Model	VSP-HCS-PERP-SPT.S	
Model Code	Descrizione	Quantità
304-230001-010.P	SVC VSP BOS 10TB Block License - SW Sppt	36
304-230001-01B.P	SVC VSP BOS 1-VSD Pair Base - SW Sppt	36
304-230001-03.P	SVC VSP BOS 20TB Base License - SW Sppt	36
304-230001-050.P	SVC VSP BOS 50TB Block License - SW Sppt	36

Model	VSP-SW-PERP.TUAL.S	
Model Code	Descrizione	Quantità
044-230003-01.P	VSP Dynamic Tiering Media Kit	1
044-230003-01B.P	VSP Dynamic Tiering 1-VSD Pair Base License	1
044-230003-03.P	VSP Dynamic Tiering 10TB Base License	1

Model	VSP-SW-PERP.TUAL.S	
Model Code	Descrizione	Quantità
304-230003-01B.P	SVC VSP Dynamic Tiering 1-VSD Pair Base - SW Sppt	36
304-230003-03.P	SVC VSP Dynamic Tiering 10TB Base - SW Sppt	36



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2 LOTTO 2 - Fornitura di dischi e componenti Storage per Ambienti Virtuali e Storage Capacitivo e relativi servizi connessi

Di seguito le caratteristiche delle componenti richieste per l'integrazione delle componenti Disco e Rack:

Sistema	Part Number	Descrizione	Quantità
NETAPP FAS 3270	X6558-R6	Cable,SAS Cntlr-Shelf/Shelf-Shelf/HA,2m	8
	X6560-R6	Cable,Ethernet,0.5m RJ45 CAT6	2
	X6561-R6	Cable,Ethernet,2m RJ45 CAT6	4
	X800-42U-R6	Power Cable,In-Cabinet,C13-C14	4
	X5526A-R6	Rackmount Kit,4-Post,Universal,R6	2
	DS2246-SL024-12A-QS-R6	SSD SHLF,12x200GB,QS	2
	CS-A2-INST-4R-VA	SupportEdge Standard Part Replace 4hr,Install,VA (36 Month)	2
	X2065A-R6	HBA SAS 4-Port Copper 3/6 Gb QSFP PCIe	2
	X6558-R6	Cable,SAS Cntlr-Shelf/Shelf-Shelf/HA,2m	8
	X6561-R6	Cable,Ethernet,2m RJ45 CAT6	8
	X800-42U-R6	Power Cable,In-Cabinet,C13-C14	16
	X5526A-R6	Rackmount Kit,4-Post,Universal,R6	4
	X2065A-R6	HBA SAS 4-Port Copper 3/6 Gb QSFP PCIe	8
	DS4243-1514-24S-QS-R5	DSK SHLF,24x600GB,15K,QS	4
	CS-A2-INST-NBR-VA	SupportEdge Standard Part Replace NBD,Install,VA (36 Month)	4
	X800-42U-R6	Power Cable,In-Cabinet,C13-C14	4
	X5526A-R6	Rackmount Kit,4-Post,Universal,R6	2
	X6558-R6	Cable,SAS Cntlr-Shelf/Shelf-Shelf/HA,2m	4
	X6561-R6	Cable,Ethernet,2m RJ45 CAT6	4
	DS4243-0748-24A-QS-R5	DSK SHLF,24x2.0TB,7.2K,QS	2
	CS-A2-INST-4R-VA	SupportEdge Standard Part Replace 4hr,Install,VA (36 Month)	2
NETAPP FAS 3210	X6558-R6	Cable,SAS Cntlr-Shelf/Shelf-Shelf/HA,2m	6
	X6561-R6	Cable,Ethernet,2m RJ45 CAT6	6
	X800-42U-R6	Power Cable,In-Cabinet,C13-C14	12
	X5526A-R6	Rackmount Kit,4-Post,Universal,R6	3
	DS4243-1507-12S-QS-R5	DSK SHLF,12x600GB,15K,QS	3
	CS-A2-INST-4R-	SupportEdge Standard Part Replace 4hr,Install,VA	3

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	VA	(36 Month)	
	PS-TM-CONSLT-DAY-ZB	PS Std Daily Consultant, ZB Exp.1yr from PO	10
NETAPP RACK	X877B-QS-R6-C	Rail Kit II,Cab,QS,-C,R6	84
	X8713C-R6-C	PDU,1-Phase,12 Outlet,30A,IEC,-C,R6	8
	X870D-QS-R6-C	Cab,DS448x,Empty,No PDU,No Rails,QS,-C	2
Split FAS 3210 in Dual Chassis	X3109-R6	Chassis,FAS/V32XX W/ AC PS	1
	X80065-R6	Bezel,FAS/V32XX	2
	X5515A-R6	Rackmount Kit,4N2,DS14-Middle,R6	1
	X1942A-R6	Cable,Cluster 4X,Copper,10M,R6	2
	X800-42U-R6	Power Cable,In-Cabinet,C13-C14	2



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3 LOTTO 3 - Fornitura di dischi e componenti Storage per Staging Backup e relativi servizi connessi

Di seguito le caratteristiche delle componenti richieste per l'integrazione delle componenti Disco per lo Storage Staging Backup:

Part Number	Descrizione	Quantità
7103899	Oracle Storage Drive Enclosure DE2-24C: model family	1
7105735	Oracle Storage Drive Enclosure DE2-24C: base chassis, for after original system installation	1
7106629	One 4 TB 7200 rpm 3.5-inch SAS -2 HDD with heron bracket, for after original system installation	20
7103918	Filler panel (for factory installation)	4
333V-30-15-C14	Power cord: Sun Rack jumper, straight,3 meters, C14 plug, C13 connector, 15A (for factory installation)	2
B63939	Oracle Standard System Installation Service, Basic: Upgrade - Group III	1
B63937	Oracle Standard System Installation Service, Basic: Upgrade - Group I	1
Oracle Premier Support for Systems		
Part Number	Descrizione	Quantità
7107573	Cable assembly: 3 meters, mini SAS to mini SAS HD, low profile	4
Oracle Premier Support for Systems		
Part Number	Descrizione	Quantità
7103791	Sun Storage 6 Gb SAS-2 PCIe HBA, low profile: 16 port	1
Oracle Premier Support for Systems		
Part Number	Descrizione	Quantità
7103899	Oracle Storage Drive Enclosure DE2-24C: model family	2
7105735	Oracle Storage Drive Enclosure DE2-24C: base chassis,original system installation for after	2
7106629	One 4 TB 7200 rpm 3.5-inch SAS -2 HDD with heron bracket, for after original system installation	40
7103918	Filler panel (for factory installation)	8
333V-30-15-C14	Power cord: Sun Rack jumper, straight,3 meters, C14 plug, C13 connector, 15A (for factory installation)	4
B63937	Oracle Standard System Installation Service, Basic: Upgrade - Group I	2
Oracle Premier Support for Systems		