			Solution Rule			
MT	Model	Description	Min	Max	Comments	
XXXX	xxx	Solution MTM			n/a	
Deployn	nent/Manage	ement Node: 8348-21C				
8348	21C	ServerConfig- S821LC	1	1	This section Defined the <u>Common config of the Server node</u> (in group servers) Ne Section: Defined any unique config that you may need (Optional)	
	Solution ID	Solution Specify Code (for grouping only)	1	1	Optional FC used to specify Solution specific config Need econfig support	
	Pod Type	Compute Server Type 2 Specify Code	1	1	Optional FC used to specify node type/ config Need econfig support	
	Processor	EP0A 8W P8 3.325/3.857GHZ PROC 190W/247W (VENICE W/TURISMO)	2	2		
	Memory	EM5C 16GB 2-RANK DDR3 1.35V IS DIMMS 1600MHZ (1333MHz max in system)	16	16		
	Bezel	n/a	1	1	12 LFF HDDs/SSDs Assembly	
	Storage	Integrated Sata controller	1	1	Build-in HDDs: Integrate SATA controller + Optional SAS /RAID Controller	
	Adapter		0	1	Optional - Exteral SAS adapter for Expansion SAS drawer	
	Disks	ELD2 1TB 7200 RPM SATA HDD BARE DRIVE	1	4	OS Boot Disk (back side) +12 HDD/SSDs front side	
	DISKS		0	-	Optional HDDs/SSDs	
8348-21	C Require	d Inter-connect				
	Network	ENOT QUAD E'NET (2X1 + 2X10 10Gb) PCIe Gen 2 X8/SHORT LP-Fiber	1	4	(Required) For High Speed Network	
	Adapter		0		Some adapter Max config 1/3/4 See econfig rule	
	Power	EKLJ (PS #6665) PWR CBL DRWR TO IBM PDU, 2.8m (9.2ft), 250V/10A,	2	2	Select Proper Line cord if not connected to IBM PDU	
		CAT5E SWITCH CABLE, BLUE (2M)	1	1	(Required) For OS 1G Network (Recommended 2M length min)	
	Cables	CAT5E SWITCH CABLE, GREEN (2M)	1	1	(Required) For IPMI 1G Network (Recommended 2M length min)	
		EN02 3M- Active Twinax cable	2	2	(Required) For High Speed Network (Recommended 2M length min)	
		No rack integration	1	1		
		Country specific FCs (keyboards, language groups) are selectable	1	1	User select	
		Shipping and Handling	4	1	User select	

			Solution Rule		
			Native MTM		
MT	Model	Description	Min	Max	Comments
xxxx	xxx	Solution MTM	1	1	
Compute	Node: 83	35-GTB			
8335	GTB	S822LC (8335)	4	16	This section Defined the <u>Common config of the Server node</u> (in group servers) — Next Section: Defined any unique config that you may need (Optional)
	Solution ID	Solution Specify Code (for grouping only)	1	1	Optional FC used to specify Solution specific config Need econfig support
	Pod Type	Compute Server Type 2 Specify Code	1	1	Optional FC used to specify node type/ config Need econfig support
	Processor	EP05 10W P8' 2.860/3.492GHZ PROC 192/247W (DELLOVO)	2	2	
	Memory	EM58 128GB (4X32GB) IS RDIMMS (1.2V) 1600MHZ 4GBIT DDR4 DRAM	8	8	
	Disks	ES6A 2TB 7200 RPM 512E SATA HDD IN MODIFIED GEN3 CARRIER (SFF	2	2	OS Boot Disk
	DISKS	,			
	NVmE PCI		0	0	
	GPU	EC4F COMPUTE INTENSIVE ACCELERATOR, GPU, Slot C1/4/7/9	1	1	
S822C S	erver Req	uired Inter-connect		•	
	Network	ENOV QUAD E'NET (2X1 + 2X10 10Gb) PCIe Gen 2 X8/SHORT LP-Twinax	1		(Required) For High Speed Network
	Adapter		0	1 1	optional second type of Network adapter
	Power	6665 PWR CBL DRWR TO IBM PDU, 2.8m (9.2ft), 250V/10A, IEC320/C13,	2	2	Select Proper Line cord if not connected to IBM PDU
		CAT5E SWITCH CABLE, BLUE (2M)	1	1	(Required) For OS 1G Network (Recommended 2M length min)
	Cables	CAT5E SWITCH CABLE, GREEN (2M)	1	1	(Required) For IPMI 1G Network (Recommended 2M length min)
		EKC1 3M- Active Twinax cable	2	2	(Required) For High Speed Network (Recommended 2M length min)
		No rack integration	1	1	
		Country specific FCs (keyboards, language groups) are selectable	1	1	User select
		Shipping and Handling	1	1	User select

General Ru	iles		Comments				
Note (1)			e-config to present to the customer the {list of MTMs and FCs below} defining the cannounce material rules for the stand-alone server.	lefault, minir	num and m	aximum co	onfiguration. The rules listed below for the HPC Cluster solution supersede the current
Note (2)				ed by anyon 1xNF2, or	Rack Bile Van Control Bas San	#35-CS-0 #31-N2_U #35-64C_U 7100-64C_U #35-64C_U 7130-64C_U #35-64C_U 7130-64C_U 7130-64C_U 7130-64C_U 7130-64C_U 7130-64C_U	Manual Call
Note (d)							
Note (4) Note (5)							
NOIE (U)				Config			
				#1	Per Rack		
MT	Model	FC	Description		Min	Max	Comments
7120	48E		Lenovo G8052 1GbE Switch (48x 10GbE ports + 4x 10GbE ports)	1	1	1	* Qty 1 required per rack. An additional switch is needed, beyond the qty 1 per
		1118	CAT5E SWITCH CABLE, 3M, YELLOW PWR CBL. DRWR TO IBM PDU. MFG SEL LENGTH, 200-240V/10A.	1	1	1	
		6577	IEC320/C13, IEC320/C14	2	2	2	
			Include all existing FCs; except FCs 0010, 0011, 0712, 0714, EGSx, EHKx, EHLA, 4649 (Rack Integration Services), and 0456 (Customer Specified Placement); do not include these FCs.				Note: FCs ESC0 & ESC1 are not announced and not applicable for switches
8831	S52		Mellanox 1G Switch	0	0	0	* Qty 1 required per rack. An additional switch is needed, beyond the qty 1 per
		1118	CAT5E SWITCH CABLE, 3M, YELLOW	1	1		
$\overline{}$		465x	Rack Indicator - Rack #x PWR CBL, DRWR TO IBM PDU, MFG SEL LENGTH, 200-240V/10A,	1	1		FC 4651 min qty = 1. Use 4652 to 4666 min qty =1 for additional racks
		6577	IEC320/C13, IEC320/C14	2	2	2	
			Include all existing FCs; except FCs 0010, 0011, 0712, 0714, EGSx, EHKx, EHLA, 4649 (Rack Integration Services), and 0456 (Customer Specified Placement); do not include these FCs.				Note: FCs ESC0 & ESC1 are not announced and not applicable for switches
7120	64C		Lenovo G826410GB Switch (48x10G + 4x40G)	1	1*	1	
		Solution ID	Solution Specify Code (for grouping only)	1	1	1	
		Pod Type					
		1118	CAT5E SWITCH CABLE, 3M, YELLOW	1	1	1	
		EB28	IBM SFP+ SR TRANSCEIVER Include all existing FCs; except FC 4649, FC 0456 (Customer Specified		1	1	
			Placement) and ESC1 (Shipping & Handling), do not include these FCs	2	2	2	
8831	S48		Mellanox 141010GB Switch (48x10G + 12x40G)	0	0	0	
		EDT6	1U AIR DUCT FOR S48	1	1	1	
			Include all existing FCs; except FC 4649, FC 0456 (Customer Specified Placement) and ESC1 (Shipping & Handling), do not include these FCs	1	1	1	
8828	E36		EDR InfiniBand Switch	0	0	0	* Qty 1 required per rack. An additional switch is needed, beyond the qty 1 per
		Solution ID	Solution Specify Code (for grouping only)	1	1	1	Need to announce FC on all MTMs in HPC Cluster
		Pod Type					
		465x EDT4	Rack Indicator - Rack #x 1U AIR DUCT	1	1	1	FC 4651 min qty = 1. Use 4652 to 4666 min qty =1 for additional racks
			Include all existing FCs; except FCs 0010, 0011, 0712, 0714, EGSx, EHKx, EHLA, 4649 (Rack Integration Services), and 0456 (Customer Specified Placement); do not include these FCs.				Note: FCs ESC0 & ESC1 are not announced & not applicable for switches. Power cable MFI BOMs and rail kit MFI BOMs are included with the 8828 & 8831 sw
			Depth Supplier IBM MTM Comments: 1) 24.75"(D) —Mellanox 1710 8831-NF2 - protrudes 50mm from the rear EIA sur	face; High S	Speed Eth		
			 27" (D)Mellanox SB7700 8828-E36 - greatest depth; Infiniband 24.7" (D)Mellanox SX6036 8831-F36 - 2nd greatest remaining depth; Infinit 19.0" (D)Lenovo G8264 7120-64C - 3rd greatest remaining depth; High Sp 17.5" (D)Lenovo G8052 7210-48E - 4th greatest remaining depth; Mgmt Ne 16.8" (D)Mellanox 1410 8831-S48 - 5th greatest remaining depth; High S 	eed Eth twork	iew assemi	bly>	

