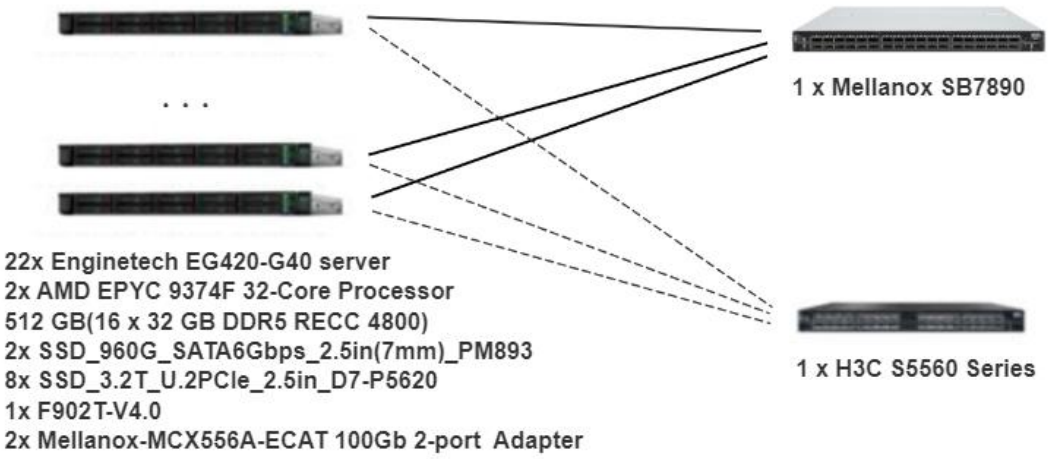
InspurCloud Data Cloud

TPCx-HS	2.0.3
TPC Pricing	2.8.0
Report Date	Jan. 8, 2024

Availability Date	TPCx-HS Performance	Price/Performance	Total System Cost
January 8,2024	**50.00 HSph@1TB**	**$13,269.24 $ / HSph@1TB**	**$663,462 USD**

System Under Test Configuration Overview

Scale Factor	Hadoop Software	Operating System	Other Software
1	InspurCloud Data Cloud Platform 5.1.0	CentOS Linux 7.6	N/A



Physical Storage/Scale Factor: 604.45	Scale Factor/Physical Memory: 0.09
Total Number of Servers:	22 (22x Enginetech EG420-G40 Servers)
Total Processors/Cores/Threads:	44/1408/2,816

Server Configuration:	22x Enginetech EG420-G40 Servers
Processors	2x AMD EPYC 9374F 32-Core Processor
Memory	512 GiB
Storage Device	2x 960 GB SATA SSD 8x 3.2 TB NVMe SSD
Network	1x F902T-V4.0 2x Mellanox-MCX556A-ECAT
Connectivity:	1x Mellanox SB7890 1x H3C S5560 Series
Total Rack Units:	22 (2U) + 1 (1U) + 1 (2U) = 47U

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Description	Price Key	Part Number	Unit Price	Qty	Extended Price	3 YrMaint Price
Server Hardware						
Enginetech EG420-G40 Server	1	P54199-B21	$5,566	22	$122,452	
AMD EPYC 9374F 3.85GHz 32-core 320W Processor	1	P54199-B21	$2,514	44	$110,616	
2U Passive CPU Heat Sink for AMD Socket SP5 Processors	1	SNK-P0083P	$42	44	$1,848	
Middle Cooling Fan for 2U Hyper-S Systems 80x80x38mm 13.5K RPM	1	FAN-0209L4-1	$28	88	$2,464	
32GB_DDR5_RECC_4800B_2R*8(M321R4GA3BB6-CQKMS)	1	M321R4GA3BB6	$140	352	$49,280	
SSD_960G_SATA6Gbps_2.5in(7mm)_PM893(MZ7L3960HCJR-00B7C)	1	MZ7L3960HCJR	$140	44	$6,160	
SSD_3.2T_U.2PCIe_2.5in_D7-P5620(SSDPF2KE032T1N1)	1	SSDPF2KE032T1N1	$420	176	$73,920	
1600W redundant single output power supply with inp	1	PWS-1K63A-1R	$210	44	$9,240	
F902T-Gigabit dual port network card	1	F902T	$84	22	$1,848	
Mellanox-MCX556A-ECAT 100Gb 2-port Adapter	1	MCX556A-ECAT	$698	44	$30,712	
Software						
InspurCloud Data Cloud Platform 5.1.0 Subscription Edition - 3 Years	1		$10475	22		$230,450
Inspur Cloud 7x24 On-site Service, 3 years	1					
Other Hardware Components						
Mellanox SB7890	1	SB7890	$23,040	1	$23,040	
H3C S5560 Series Switch	1	S5560	$1,120	1	$1,120	
Keyboards and mouses	1		$32	1	$32	
Morintor	1		$280	1	$280	
		Subtotals	**$ 433,012.00**			**$230,450.00**

Pricing: 1 = Inspur Cloud;

* All discounts are based on US list prices and for similar quantities and configurations. A 35% discount was based on the overall specific components pricing from vendor 1 in this single quotation. Discounts for similarly sized configurations will be similar to those quoted here, but may vary based on the components in the configuration.

Audited by

Three-Year Cost of Ownership: $663,462

HSph@1TB: 50.00

$ / HSph@1TB: $13,269.24

Sales contact: No.1036 Inspur Road, High-Tech Zone, Jinan City, Shandong Province.Tel:400-607-6657

Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated Line Items. Individually negotiated discounts are not permitted. Special prices based on assumptions about pastor future purchases are not permitted. All discounts reflect standard pricing policies for the listed Line Items. For complete details, see the pricing section of the TPC Benchmark Standard. If you find that the stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you.

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Numerical Quantities

Performance Run - Run 1

Scale Factor	1TB
Run Start Time	2024-01-07 00:08:02.000
Run End Time	2024-01-07 00:09:11.000
Run Elapsed Time	72.000
HSGen Start Time	2024-01-07 00:08:02.000
HSGen End Time	2024-01-07 00:08:14.000
HSGen Elapsed Time	14.090
HSSort Start Time	2024-01-07 00:08:17.000
HSSort End Time	2024-01-07 00:08:59.000
HSSort Elapsed Time	43.452
HSValidate Start Time	2024-01-07 00:09:02.000
HSValidate End Time	2024-01-07 00:09:11.000
HSValidate Elapsed Time	10.050

Repeatability Run - Run 2

Scale Factor	1TB
Run Start Time	2024-01-07 00:10:16.000
Run End Time	2024-01-07 00:11:25.000
Run Elapsed Time	72.000
HSGen Start Time	2024-01-07 00:10:16.000
HSGen End Time	2024-01-07 00:10:28.000
HSGen Elapsed Time	14.110
HSSort Start Time	2024-01-07 00:10:31.000
HSSort End Time	2024-01-07 00:11:13.000
HSSort Elapsed Time	43.450
HSValidate Start Time	2024-01-07 00:11:16.000
HSValidate End Time	2024-01-07 00:11:25.000
HSValidate Elapsed Time	9.788

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Run Reports

Run Report for Performance Run - Run 1
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TPCx-HS Performance Metric (HSph@SF) Report

Test Run 1 Details	Total Time =	72
	Total Size =	10000000000
	Scale-Factor =	1.0000
	Framework =	Spark

TPCx-HS Performance Metric (HSph@SF): 50.0000

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Run Report for Repeatability Run - Run 2
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TPCx-HS Performance Metric (HSph@SF) Report

Test Run 2 Details	Total Time =	72
	Total Size =	10000000000
	Scale-Factor =	1.0000
	Framework =	Spark

TPCx-HS Performance Metric (HSph@SF): 50.0000

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Revision History

Date	Edition	Description
Jan 8, 2024	First	Initial Publication