



Dell PowerEdge R7715 using Exasol 2025.2.1

TPC-H Rev. 3.0.1
TPC-Pricing Rev. 2.9.0

Report Date
July 1, 2026

Total System Cost
**\$ 137,256.00
USD**

Composite Query per Hour Metric
**5,489,326.4
QphH@1000GB**

Price / Performance
**\$ 25.01 USD \$ /
kQphH@1000GB**

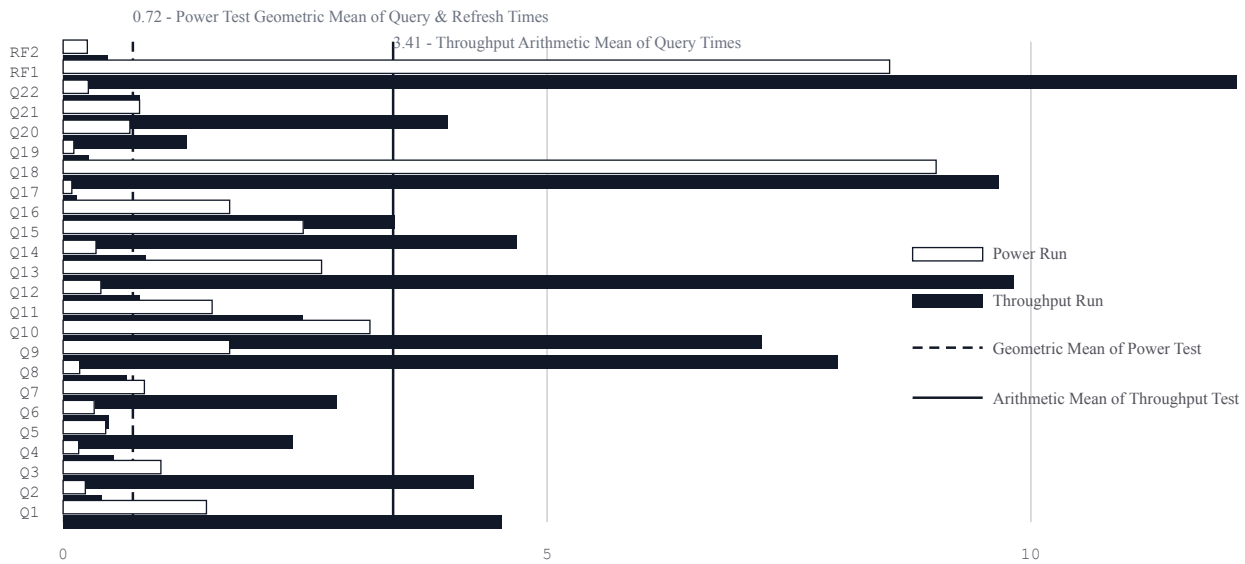
Database Size
1,000 GB

Database Manager
Exasol 2025.2.1

Operating System
**Ubuntu 24.04.4
LTS**

Other Software
None

Availability Date
Now



Database Load Time = 00d 00h 27m 52s
Data Storage Ratio = 8.94
Memory / DB Size = 76.8%

Storage Redundancy Levels:

Base Tables	Level One
Auxiliary Data Structures	Level One
DBMS Temporary Space	Level One
OS and DBMS Software	Level One

System Configuration:

- 1 x Dell PowerEdge R7715 Server, with:
- 768 GB RAM
- 1 x AMD EPYC 9845 160-Core Processor (320 threads)
- 1 x Dell BOSS-N1 960 GB OS device, configured as hardware RAID1 mirror with 2 x 960 GB M.2 media
- 2 x 3840 GB (3.84TB) NVMe drives in software RAID1 (md0)
- Total Storage: 8,941 GiB



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Description	Part	Key	Unit Price	Qty	Ext. Price \$	3 Yr. Maint. Price \$
HARDWARE COMPONENTS						
PowerEdge R7715 Server	210-BNRJ	1	232,476.97	1	232,476.97	0.00
Chassis with up to 8 E3.S NVMe Direct Drives	321-BLML	1	0.00	1	0.00	0.00
AMD EPYC 9845 2.10GHz, 160C/320T, 320 Cache (390W) DDR5-6400	338-CRRW	1	0.00	1	0.00	0.00
Heatsink for GPU Configuration (CPU greater than 240W)	412-BCBC	1	0.00	1	0.00	0.00
Performance Optimized	370-AHLL	1	0.00	1	0.00	0.00
6400MT/s RDIMMs	370-BCCX	1	0.00	1	0.00	0.00
64GB RDIMM, 6400MT/s, Dual Rank	370-BCCZ	1	0.00	12	0.00	0.00
C30, No RAID for NVMe chassis	780-BCDO	1	0.00	2	0.00	0.00
No Controller	405-AACD	1	0.00	1	0.00	0.00
No Hard Drive	400-ABHL	1	0.00	1	0.00	0.00
3.84TB NVMe Read Intensive AG Drive E3s Gen5 with carrier	400-BOMP	1	0.00	2	0.00	0.00
Performance BIOS Settings	384-BBBL	1	0.00	1	0.00	0.00
UEFI BIOS Boot Mode with GPT Partition	800-BBDM	1	0.00	1	0.00	0.00
No Energy Star	387-BBEY	1	0.00	1	0.00	0.00
PowerEdge 2U High Performance Platinum Fan	384-BDTQ	1	0.00	1	0.00	0.00
Dual,Redundant(1+1),Hot-Plug MHS PSU,3200W MM HLAC(Only for 200-240Vac)Titanium	450-BDTD	1	0.00	1	0.00	0.00
No Power Cord	450-AAGG	1	0.00	1	0.00	0.00
Riser Config 8, 2 x16 LP Slots (Gen5), 3 x16 DW FH Slots (Gen5)	330-BCZT	1	0.00	1	0.00	0.00
PowerEdge R7715 Motherboard V2	329-BLHZ	1	0.00	1	0.00	0.00
Broadcom 57412 Quad Port 10GbE Base-T adapter, OCP 3.0 NIC +Sec	540-BFPS	1	0.00	1	0.00	0.00
No OCP Blanks or Cables Required	780-BCZQ	1	0.00	1	0.00	0.00
No Cables Required	470-AEYU	1	0.00	1	0.00	0.00
No Cables Required	470-AEYU	1	0.00	1	0.00	0.00
Dell Luggage Tag, PowerEdge R7715	321-BLFN	1	0.00	1	0.00	0.00
PowerEdge 2U Standard Bezel	325-BFWZ	1	0.00	1	0.00	0.00
BOSS-N1 controller card + with 2 M.2 960GB (RAID 1) (22x80)	403-BDMC	1	0.00	1	0.00	0.00
No Operating System, No Utility Partition, BOSS	611-BBBX	1	0.00	1	0.00	0.00
No Media Required	605-BBFN	1	0.00	1	0.00	0.00
Secure Enterprise Key Manager License 3.0	634-CSHS	1	0.00	1	0.00	0.00
Secured Component Verification	634-CSHT	1	0.00	1	0.00	0.00
iDRAC10, Enterprise 17G	634-CSHY	1	0.00	1	0.00	0.00
Dell Connectivity Client - Enabled	379-BFXS	1	0.00	1	0.00	0.00
Dell Connectivity Module 17G	634-CZRP	1	0.00	1	0.00	0.00
Dell Secure Onboarding Client 17G - Disabled	634-CZWJ	1	0.00	1	0.00	0.00
Blank Left Ear Module	350-BCYL	1	0.00	1	0.00	0.00
iDRAC Legacy Password for OCP cards	379-BETF	1	0.00	1	0.00	0.00
No Rack Rails	770-BBBS	1	0.00	1	0.00	0.00
PowerEdge Shipping	340-DNSW	1	0.00	1	0.00	0.00
PowerEdge R7715 Shipping	340-DRYL	1	0.00	1	0.00	0.00
PowerEdge 2U Shipping Material	340-DPDX	1	0.00	1	0.00	0.00
PowerEdge No CCC, No CE Label Marking	389-FHHY	1	0.00	1	0.00	0.00
3Yr ProSupport and 4hr Onsite Service - 3 Years	199-BONO	1	23,237.68	1	0.00	23,237.68
Basic Next Business Day 36 Months	709-BBFM	1	0.01	1	0.00	0.01
Secure Enterprise Key Manager License 3.0	817-BBBP	1	249.00	1	249.00	0.00
Dell 24 Monitor S2425H includes spares	210-BMGX	1	99.99	3	299.97	0.00
Keyboard/Mouse includes spares	570-AAKV,580-ADJC	1	20.38	3	61.14	0.00
HARDWARE COMPONENTS Subtotal					233,087.08	23,237.69



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SOFTWARE COMPONENTS						
Exasol ITB License (monthly subscription)	N/A	2	2,000.00	36	72,000.00	0.00
Ubuntu Support by Dell, 3yr Premium Sub, 1 Physical with Unlimited VMs	528-BBUZ	1	4,699.00	1	4,699.00	0.00
SOFTWARE COMPONENTS Subtotal					76,699.00	0.00
Total					309,786.08	23,237.69
Dell Large Purchase Discount (75%)*					-178,339.56	-17,428.27

Three-Year Cost of Ownership:	\$ 137,256.00
QphH@1000GB:	5,489,326.4
\$/kQphH@1000GB:	\$ 25.01

Price Key: 1 DELL
 2 Exasol

* Dell Discount based upon total system cost as purchased by a regular customer.

Audited by Doug Johnson, InfoSizing Inc. (www.sizing.com)

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



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Numerical Quantities

Measurement Results

Database Scale Factor	1,000 GB
Total Data Storage / Database Size	8.94
Percentage Memory / Database Size	76.8%
Start of Database Load	2026-04-15 16:03:59
End of Database Load	2026-04-15 16:31:51
Database Load Time	00d 00h 27m 52s
Query Streams for Throughput Test	7
TPC-H Power	4,998,746.0
TPC-H Throughput	6,028,052.6
TPC-H Composite Query-per-Hour Metric (QphH@1000GB)	5,489,326.4
Total System Price Over 3 Years	\$137,256.00
TPC-H Price/ Performance Metric (\$/kQphH@1000GB)	\$25.01

Measurement Interval

Measurement Interval in Throughput Test (Ts)	91.97 seconds
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Duration of Stream Execution

Run	Stream	Seed	Query	Total Time	RF1	RF2
Power Run	Power	415163151	2026-04-15 16:34:01.091 2026-04-15 16:34:30.823	00:00:29.731	2026-04-15 16:33:52.541 2026-04-15 16:34:01.081	2026-04-15 16:34:30.837 2026-04-15 16:34:31.087
Throughput	1	415163152	2026-04-15 16:34:31.107 2026-04-15 16:35:45.436	00:01:14.329	2026-04-15 16:34:31.103 2026-04-15 16:34:44.885	2026-04-15 16:34:44.895 2026-04-15 16:34:45.377
Throughput	2	415163153	2026-04-15 16:34:31.107 2026-04-15 16:35:46.457	00:01:15.350	2026-04-15 16:34:45.380 2026-04-15 16:34:58.709	2026-04-15 16:34:58.720 2026-04-15 16:34:59.412
Throughput	3	415163154	2026-04-15 16:34:31.107 2026-04-15 16:35:46.759	00:01:15.652	2026-04-15 16:34:59.421 2026-04-15 16:35:13.671	2026-04-15 16:35:13.678 2026-04-15 16:35:14.195
Throughput	4	415163155	2026-04-15 16:34:31.107 2026-04-15 16:35:47.412	00:01:16.305	2026-04-15 16:35:14.199 2026-04-15 16:35:27.750	2026-04-15 16:35:27.757 2026-04-15 16:35:28.295
Throughput	5	415163156	2026-04-15 16:34:31.107 2026-04-15 16:35:45.683	00:01:14.575	2026-04-15 16:35:28.302 2026-04-15 16:35:42.383	2026-04-15 16:35:42.396 2026-04-15 16:35:42.953
Throughput	6	415163157	2026-04-15 16:34:31.107 2026-04-15 16:35:46.988	00:01:15.881	2026-04-15 16:35:42.963 2026-04-15 16:35:53.194	2026-04-15 16:35:53.199 2026-04-15 16:35:53.505
Throughput	7	415163158	2026-04-15 16:34:31.107 2026-04-15 16:35:45.054	00:01:13.947	2026-04-15 16:35:53.509 2026-04-15 16:36:02.758	2026-04-15 16:36:02.764 2026-04-15 16:36:03.067



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TPC-H Timing Intervals (in seconds)

Stream ID	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12
0	1.48	0.23	1.01	0.16	0.44	0.32	0.84	0.17	1.72	3.17	1.54	0.39
1	4.69	0.40	4.95	0.61	2.63	0.61	3.37	0.68	9.05	7.30	2.61	0.76
2	5.10	0.44	5.53	0.57	2.92	0.56	3.40	0.84	8.78	7.32	3.03	0.76
3	4.60	0.41	4.25	0.57	2.60	0.41	3.05	0.81	8.89	8.05	2.15	0.87
4	5.28	0.51	4.31	0.54	2.67	0.39	2.70	0.71	8.53	8.97	2.69	0.88
5	4.88	0.44	4.46	0.57	2.50	0.43	2.93	0.74	8.95	7.34	2.67	0.87
6	5.09	0.44	4.66	0.57	2.71	0.42	3.18	0.67	8.24	8.26	2.37	0.86
7	5.12	0.36	4.75	0.53	2.49	0.63	3.13	0.62	9.83	7.32	2.72	0.94
Qi Min	1.48	0.23	1.01	0.16	0.44	0.32	0.84	0.17	1.72	3.17	1.54	0.39
Qi Avg	4.53	0.40	4.24	0.52	2.37	0.47	2.83	0.66	8.00	7.22	2.47	0.79
Qi Max	5.28	0.51	5.53	0.61	2.92	0.63	3.40	0.84	9.83	8.97	3.03	0.94
Stream ID	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20	Q21	Q22	RF1	RF2
0	2.67	0.34	2.48	1.72	0.09	9.02	0.11	0.69	0.79	0.26	8.54	0.25
1	10.33	0.85	4.56	3.57	0.16	9.64	0.29	1.45	4.90	0.84	13.78	0.48
2	10.22	0.84	4.67	3.29	0.15	9.77	0.29	1.45	4.55	0.79	13.33	0.69
3	11.02	0.79	5.68	3.94	0.14	9.84	0.36	1.39	4.81	0.93	14.25	0.52
4	11.37	0.95	5.72	3.97	0.17	9.34	0.26	0.79	4.62	0.87	13.55	0.54
5	11.21	1.07	4.46	3.31	0.15	10.33	0.28	1.47	4.48	0.99	14.08	0.56
6	11.66	0.78	5.41	4.05	0.16	10.31	0.27	1.65	3.21	0.82	10.23	0.31
7	10.10	1.21	4.53	3.59	0.13	9.07	0.24	1.34	4.43	0.82	9.25	0.30
Qi Min	2.67	0.34	2.48	1.72	0.09	9.02	0.11	0.69	0.79	0.26	8.54	0.25
Qi Avg	9.82	0.85	4.69	3.43	0.14	9.67	0.26	1.28	3.97	0.79	12.13	0.46
Qi Max	11.66	1.21	5.72	4.05	0.17	10.33	0.36	1.65	4.90	0.99	14.25	0.69