Wilmette Public Library District
Proposed Server Replacement / Upgrade

Current Situation

The Library is running its compute workload on 2 HPE servers that were installed in 2016. The first server is the main file server, providing for most of the data file storage, print management and network domain controller/active directory functions. The virtual server hosts 9 separate functions as virtual guests, allowing for an efficient way to provide application isolation, resizing of hardware resources as individual application needs change, and contributes to the green power initiative by utilizing substantially less power than the 9 individual servers would require. The present servers are approaching maximum installed capacity on the hard disk storage. Extending the hardware support warranty is costing $1,600 per server per year, and is expected to increase annually until HPE's End-of-Support in 2025, at which time no more support will be available from the manufacturer.

As software applications deliver more sophisticated functionality, frequently integrated with imagery that provides a graphical user interface, the demands on system memory, compute power and data storage are expanding dramatically. Additionally, parts for expansion of the current servers are becoming scarcer, limiting availability to refurbished rather than new equipment.

Thus, we propose replacement of both servers, per the expanded capabilities shown in the below charts.

Item	Present File Server	Proposed File Server
CPU	8 core E5-2667 V3	16 core Xeon silver 4314
Memory	32 GB	64 GB
Hard drive storage	1.52 TB	5.3 TB
Installation fee	$5,760	$6,900

Item	Present Virtual Server	Proposed Virtual Server
CPU	2 x 8 core X5-E2640 V3	2 x 16 core Xeon silver 4314
Memory	96 GB	128 GB
Hard drive storage	1.63 TB	6.3 TB
Installation fee	$21,600	$27,010
Installed servers	Root + 6 virtual guests	Root + 9 virtual guests

Note that Computer View is a long-term business partner of HPE and distributor TD/Synnex, and has obtained their special pricing for the quotes prepared for the servers for this project.

Computer View, Inc.
2777 Finley Road
Suite 13
Downers Grove, Illinois 60515
United States
http://www.cview.net
(P) 847-290-9286
(F) 847-290-9602

Quotation (Open)

Date
Apr 13, 2022 11:17 AM CDT

Modified Date
Apr 13, 2022 11:58 AM CDT

Quote #
202449 - rev 1 of 1

Description
File Server Gen 10 Plus

SalesRep
Poluchowicz, Roxy
(P) 847-290-9286 ext. 114
(F) 847-290-9602

Customer Contact
Wallace, Fred
(P) 847.256.6913
fwallace@wilmettelibrary.info

Customer	**Bill To**	**Ship To**
Wilmette Public Library (WPL0001)	Wilmette Public Library	Wilmette Public Library
Wallace, Fred	Wallace, Fred	Wallace, Fred
1242 Wilmette Avenue	1242 Wilmette Avenue	1242 Wilmette Avenue
Wilmette, IL 60091	Wilmette, IL 60091	Wilmette, IL 60091
United States	United States	United States
(P) 847-256-5025	(P) 847.256.6913	(P) 847.256.6913
(F) 847-256-6933	(F) 847-256-6933	(F) 847-256-6933
	fwallace@wilmettelibrary.info	fwallace@wilmettelibrary.info

Customer PO:		**Terms:**	**Ship Via:**
		Undefined	UPS Ground
Special Instructions:			**Carrier Account #:**

#	Description	Part #	Qty	Unit Price	Total
	File Server Gen 10 Plus				
1	HPE ProLiant DL380 Gen10 Plus Network Choice Server - rack-mountable - 2U - 2-way - 1 x Xeon Silver 4314 / 2.4 GHz - RAM 32 GB - SATA/SAS - hot-swap 2.5" bay(s) - no HDD - 10 GigE - no OS - monitor: none	P43358-B21	1	$6,560.00	$6,560.00
2	HPE SmartMemory DDR4 - module - 32 GB - DIMM 288-pin - 3200 MHz / PC4-25600 - CL22 - registered - ECC	P06033-B21	1	$902.00	$902.00
3	HPE I350-T4 Network adapter - PCIe 2.0 x4 - Gigabit Ethernet x 4 - for ProLiant DL325 Gen10, DL345 Gen10, DL360 Gen10, DL365 Gen10, DL380 Gen10, XL290n Gen10	P21106-B21	1	$469.00	$469.00
4	HPE Mission Critical Hard drive - 900 GB - hot-swap - 2.5" SFF - SAS 12Gb/s - 15000 rpm - with HPE Basic Carrier	P40432-B21	6	$853.00	$5,118.00
5	HPE Smart Array E208e-p SR Gen10 Storage controller (RAID) - 8 Channel - SATA 6Gb/s / SAS 12Gb/s - 12 Gbit/s - RAID 0, 1, 5, 10 - PCIe 3.0 x8 - for ProLiant DL325 Gen10, DL345 Gen10, DL360 Gen10, DL365 Gen10, DL380 Gen10	804398-B21	1	$1,700.00	$1,700.00
6	HPE Flex Slot Platinum Power supply - hot-plug (plug-in module) - Flex Slot - 80 PLUS Platinum - AC 230 V - 800 Watt	P38995-B21	1	$335.00	$335.00
7	HPE Power cable - IEC 60320 C13 straight to NEMA 5-15 (P) - AC 110 V - 10 A - 6 ft - black - Canada, United States - for HPE MSL2024, MSL4048; Apollo 4510 Gen9; ProLiant DL180 Gen10, DL380 G6, XL290n Gen10	AF556A	2	$10.00	$20.00
	*** Tape Drive Backup ***				
8	HPE StoreEver Rack mounting kit - 1U	BC029A	1	$207.00	$207.00
9	HPE StoreEver LTO-7 Ultrium 15000 Tape drive - LTO Ultrium (6 TB / 15 TB) - Ultrium 7 - SAS-2 - internal - 5.25" - encryption	BB873A	1	$3,372.00	$3,372.00
10	HPE SAS external cable - Mini SAS HD (SFF-8644) (M) - 13 ft	876805-B21	1	$108.00	$108.00

#	Description	Part #	Qty	Unit Price	Total
11	HPE Ultrium RW Data Cartridge LTO Ultrium 7 - 6 TB / 15 TB - write-on labels - slate blue	C7977A	12	$54.00	$648.00
12	HPE Ultrium Universal Cleaning Cartridge LTO Ultrium - orange - cleaning cartridge - for HPE T950, T950 3, T950 6; StoreEver MSL2024, MSL3040, MSL4048, MSL6480; SureStore Ultrium	C7978A	1	$63.00	$63.00
13	HPE Integrated Lights-Out Advanced License + 3 Years 24x7 Support - 1 server - electronic - for ProLiant DL160 Gen10, DL180 Gen10, DL20 Gen10, XL170r Gen9, XL290n Gen10, XL2x260	E6U64ABE	1	$260.00	$260.00
14	HPE Pointnext Tech Care Essential Service Extended service agreement - parts and labor - 5 years - on-site - 24x7 - response time: 4 h - for P/N: P05172-B21#GTA, P05172R-B21, P05175R-B21, P43357-291, P43357R-B21, P43358-291	HY5B9E	1	$6,880.00	$6,880.00
15	Installation / Configuration	INST	1	$6,900.00	$6,900.00

N.B.: This project requires a 50% deposit.

Subtotal:	$33,542.00
Shipping:	$0.00
Total:	**$33,542.00**

Thank you for choosing Computer View Inc. Please sign, date and FAX or email this form to order. The quote is good for 20 days.

These prices DO NOT include applicable taxes, insurance, shipping, delivery, setup fees, or any cables or cabling services or material unless specifically listed above. All prices are subject to change without notice. Supply subject to availability.

Quotation (Open)

Date
Apr 13, 2022 11:58 AM CDT

Modified Date
Apr 13, 2022 12:18 PM CDT

Quote #
202450 - rev 1 of 1

Description
Virtual Server Gen 10 Plus

SalesRep
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2	Intel Xeon Silver 4314 2.4 GHz - 16-core - 24 MB cache - for ProLiant DL110 Gen10, DL360 Gen10, DL380 Gen10; Synergy 480 Gen10	P36922-B21	1	$870.00	$870.00
3	HPE Maximum Performance Fan Kit System fan kit - for ProLiant DL345 Gen10, DL380 Gen10, DL385 Gen10	P14608-B21	1	$215.00	$215.00
4	HPE Standard Heat Sink Kit Heatsink - for ProLiant DL380 Gen10 Plus Network Choice	P37034-B21	1	$49.00	$49.00
5	HPE SmartMemory DDR4 - module - 32 GB - DIMM 288-pin - 3200 MHz / PC4-25600 - CL22 - registered - ECC	P06033-B21	3	$902.00	$2,706.00
6	HPE I350-T4 Network adapter - PCIe 2.0 x4 - Gigabit Ethernet x 4 - for ProLiant DL325 Gen10, DL345 Gen10, DL360 Gen10, DL365 Gen10, DL380 Gen10, XL290n Gen10	P21106-B21	1	$469.00	$469.00
7	HPE Mission Critical Hard drive - 900 GB - hot-swap - 2.5" SFF - SAS 12Gb/s - 15000 rpm - with HPE Basic Carrier	P40432-B21	9	$853.00	$7,677.00
8	HPE SAS Expander Card Storage controller upgrade card - SAS 12Gb/s - for ProLiant DL385 Gen10 Plus, DL385 Gen10 Plus Entry	P23388-B21	1	$699.00	$699.00
9	HPE Storage drive cage - 2.5" - for ProLiant DL380 Gen10 Plus Network Choice (2.5"), DL385 Gen10 Plus V2 (2.5")	P26930-B21	2	$290.00	$580.00
10	HPE Flex Slot Platinum Power supply - hot-plug (plug-in module) - Flex Slot - 80 PLUS Platinum - AC 230 V - 800 Watt	P38995-B21	1	$335.00	$335.00
11	HPE Power cable - IEC 60320 C13 straight to NEMA 5-15 (P) - AC 110 V - 10 A - 6 ft - black - Canada, United States - for HPE MSL2024, MSL4048; Apollo 4510 Gen9; ProLiant DL180 Gen10, DL380 G6, XL290n Gen10	AF556A	2	$10.00	$20.00

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14	Installation / Configuration	INST	1	$27,010.00	$27,010.00

Note: Virtual root & 9 guest servers:
1. Backup domain controller/certificate server
2. PC Res / LPTOne
3. QuickBooks
4. Exchange 2019
5. Digital Signage
6. Mac Lab PCRes/LPTOne
7. Resource server
8. Database search
9. Windows 10 testing

N.B.: This project requires a 50% deposit.

Subtotal:	$54,330.00
Shipping:	$0.00
Total:	$54,330.00

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