



Advanced Intelligence Engineering

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We have prepared a quote for you

### Physical Host Server Refresh (2020)

Quote # JW000997 Version 4

Prepared for:

Wheaton Park District

Prepared by:

Jeremy Willis

Friday, February 07, 2020

Wheaton Park District  
Mike Benard  
1777 S Blanchard St  
Wheaton, IL 60189  
mbenard@wheatonparks.org

Dear Mike,

UPDATE VERSION 4 (2/7/2020): per our meeting on 2/4/2020, we have updated to allow for a zero margin on all hardware and software.







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The virtual server hosting environment at Wheaton Park District currently includes an HP server installed in 2019, an IBM server installed in December 2010, and a Dell server installed in January 2013. This project will replace the aging IBM and Dell servers with a new HP server that has the same capacity as the existing HP server. This will allow for redundant virtual machine hosts, each with the capacity to host all of Wheaton Park District's virtual machines should one server fail. Additionally, the new server will allow for virtual machines to remain online during maintenance to the host servers as all of the virtual machines can run on one server while the other is being patched.



Jeremy Wills  
President  
Advanced Intelligence Engineering

## Hardware

Description		Price	Qty	Ext. Price
HPE ProLiant DL360 G10 1U Rack Server - 1 x Xeon Gold 6230 - 32 GB RAM HDD SSD - Serial ATA/600, 12Gb/s SAS Controller - 2 Processor Support - 16 MB Graphic Card - Gigabit Ethernet - 8 x SFF Bay(s) - Yes - 1 x 800 W - Intel Optane Memory Ready		\$4,515.61	1	\$4,515.61
HPE Intel Xeon Gold 6230 Icosa-core (20 Core) 2.10 GHz Processor Upgrade - 28 MB Cache - 3.90 GHz Overclocking Speed - 14 nm - Socket 3647 - 125 W		\$2,128.02	1	\$2,128.02
HPE SmartMemory 32GB DDR4 SDRAM Memory Module - For Server - 32 GB (1 x 32 GB) - DDR4-2933/PC4-23466 DDR4 SDRAM - CL21 - 1.20 V - Registered - 288-pin - DIMM		\$179.34	7	\$1,255.38
HPE 600 GB Hard Drive - 2.5" Internal - SAS (12Gb/s SAS) - 10000rpm - 3 Year Warranty		\$109.14	2	\$218.28
HPE Ethernet 1Gb 4-Port 331T Adapter - PCI Express x4 - 4 Port(s) - 4 x Network (RJ-45) - Twisted Pair - Full-height, Low-profile		\$246.52	1	\$246.52
HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit - 1400 W - 230 V AC		\$247.20	1	\$247.20
Subtotal				<b>\$8,611.01</b>

## Software & Licensing

Description	Price	Qty	Ext. Price
Microsoft Windows Server 2019 Standard - License - 2 Core - Volume - Microsoft Open License - Single Language - PC	\$108.30	80	\$8,664.00
Subtotal			<b>\$8,664.00</b>

## Project Labor

### Assemble New Server

Assemble new HP server. Install processor, power supply, hard drives, network card, and SAN card.

### Configure Storage

Configure RAID arrays for the OS and VM storage.

### ESXi Installation

Install ESXi onto server. Set admin passwords and configure SNMP.

### Hardware Mounting

Mount new server in rack. Connect networking and SAN.

### Post-Mount Configuration

Add host to cluster. Configure networking on distributed switch. Map new server to SAN volumes.

### Move VMs

Move virtual machines to new server to balance load with other HP server.

### Retire IBM Server

Disconnect all cables and remove IBM server from rack. Dispose of server.

### Retire Dell Server

Disconnect all cables and remove Dell server from rack. Dispose of server.

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Project Labor Subtotal: **\$4,140.00**

## After-Hours Option

This project is planned and designed to be performed entirely within working hours. If desired, however, the work of placing servers into the rack or removing them from the same can be performed during off-hours, along with the work for configuration and upgrade of the new physical host server. The differential for performing this work during off-hours is shown here as a single after-hours fee.

### After-Hours Fee

Additional fee for performing migration and rack-mounting tasks during after-hours maintenance window.

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\*After-Hours Option Optional Subtotal: **\$540.00**

## Monthly Services Totals (post project)

This project changes your network infrastructure, and will result in changes to your ongoing IT services billing, under the existing Managed Services Provider Agreement. Your monthly IT services following the project are outlined below

Description	Recurring	Qty	Ext. Recurring
<b>AIE Managed IT Services</b>			
<b>Server(s) - Management</b>	(\$125.00)	1	(\$125.00)
<b>List of servers to retire:</b>			
IBM VMware ESXi host WPD-VH01			
Dell VMware ESXi host WPD-VH03			
 <b>List of Servers to be added:</b>			
HP Enterprise VMware ESXi host			
Recurring Subtotal			<b>(\$125.00)</b>

## Payment Terms

In order to initiate the work, AIE requires a signed copy of the agreement along with 100% down payment on all hardware and licensing and 50% down payment on all labor. The balance of the labor, along with any additional surcharges or tax, will be billed Net20 upon completion of the work.



## Physical Host Server Refresh (2020)



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**Prepared for:**  
**Wheaton Park District**  
 1777 S Blanchard St  
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 Mike Benard  
 (630) 510-4945  
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**Quote Information:**  
**Quote #:** JW000997  
 Version: 4  
 Delivery Date: 02/07/2020  
 Expiration Date: 03/31/2020

### Assumptions

- Client staff will be available in a timely manner for questions and testing of changes.
- Client will provide all necessary software discs, serial numbers, and passwords for any software needing to be reinstalled.
- The work will be completed Monday-Friday / 7:30am-5:30pm, unless otherwise designated by AIE
- One existing physical host server will be removed from the rack at the commencement of work. The new physical server will be mounted in place of this.
- VMWare licensing and support are current and active (to allow VMWare ESXi to be installed on new host server).

Should any of these assumptions prove to be incorrect, additional labor will be billed at AIE's standard rates of \$120/hr.

### Quote Summary

Description	Amount
Hardware	\$8,611.01
Software & Licensing	\$8,664.00
Project Labor	\$4,140.00
<b>Total:</b>	<b>\$21,415.01</b>

### Recurring Expenses Summary

Description	Amount
Monthly Services Totals (post project)	(\$125.00)
<b>Recurring Total:</b>	<b>(\$125.00)</b>

### \*Optional Expenses

Description	One-Time
After-Hours Option	\$540.00
<b>Optional Subtotal:</b>	<b>\$540.00</b>

Taxes, shipping, handling and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

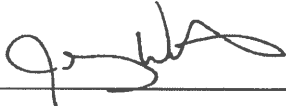


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Wheaton Park District

Signature: \_\_\_\_\_

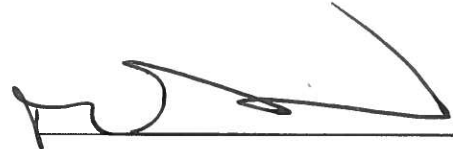


Name: Jeremy Wills

Title: President

Date: \_\_\_\_\_

Signature: \_\_\_\_\_



Name: Mike Benard

Title: Executive Director

Date: 2/19/2020