

Server Host Upgrade with Licensing Quote # 033439

Date Issued: 11.06.2024

Date Expires: 12.14.2024

Prepared For

City of Spring Lake Park
Daniel Buchholtz
1301 81st Ave NE
Spring Lake Park, MN 55432
(763) 792-7211
dbuchholtz@slpmn.org



Prepared By

CIT
Colton Jesse

(651) 255-5732
colton.jesse@cit-net.com

Project Overview

Objectives and Intended Outcome

- Business Objectives
 - Update the local hardware for storage and compute on the City side. Delivering stability, performance and supportability to key infrastructure.
- Intended Outcome
 - Replace legacy virtual host with current supported model.
 - Upgrade existing Operating Systems from 2016 which is nearing end of life with Server 2022.
 - Migrate existing applications from legacy Virtual Machines to new replacements.

CIT Statement of Work

- Kickoff Meeting/Call
- Review Active Directory Health (Any problems found will need to be resolved under Out of Scope billing).
 - DCDIAG on each DC to check for errors.
 - Verify AD Replication state.
 - Verify FSR/DFSR Replication state.
 - Verify FSMO role holders.
 - Check for orphaned domain controller objects or references.
 - Review DNS server configuration for stale objects and pointers.
 - Review Sites & Services for state sites, subnets or servers.
- ESXi Host Configuration
 - Unbox and assemble hardware.
 - Install latest service pack and BIOS firmware.
 - Install ESXi 8.0.3 to local boot media.
 - Configure Greenlake Compute Operation.
 - Install latest ESXi release updates.
 - Configure ESXi local storage - RAID5 with 1 hot spare.
 - Configure ESXi networking and OOBM.
 - Apply VMware licensing.
 - Install ESXi host into rack and connect networking and power.
- SLPDC01 Server Migration
 - Create new Virtual Machine on new ESXi host.
 - 2 CPU

Project Overview

- 8 GB RAM
- 150 GB OS Disk
- 1.5 TB Data Disk
- Install Server 2022 Standard.
- Configure Static IP and join to domain.
- Install ADDS, DHCP, DNS, Group Policy services.
- Install security software and configure backups.
- Promote to Domain Controller.
- Configure Sites/Services.
- Configure DNS.
- Migrate FSMO roles to new server.
- Upgrade from FSR to DFSR.
- Review domain group policies and scripts and update any legacy DC references.
- Migrate Azure AD Connect from legacy server to new server and verify Office 365 sync.
- Migrate DHCP scopes from legacy server to new server.
- Update DNS in static assigned devices and DHCP scopes.
- Migrate Printers from legacy server to new server and update GPO objects and scripts.
- Migrate File Shares from legacy server to new server.
 - Asyst
 - LFMedia (this share may need to be migrated by Laserfiche VAR)
 - LFScans (this share may need to be migrated by Laserfiche VAR)
 - PermitWorks
 - PRMaxEnt
- Cutover file shares to new server.
 - Disable access on legacy server.
 - Update scripts and GPO objects to new server locations.
 - Verify end user accessibility to file shares.
- Verify no further applications or services running on legacy server.
 - Any items found will need to be addressed out of scope.
- Demote legacy server from domain controller.
- Cleanup DNS, Sites/Services.
- Shutdown legacy server and remove from backups.
- SLPAPP Server Migration
 - Create new Virtual Machine on new ESXi host.
 - 2 CPU
 - 16 GB RAM
 - 150 GB OS Disk
 - 1.5 TB Data Disk
 - Install Server 2022 Standard.
 - Configure Static IP and join to domain.
 - Install SQL Express and configure services.
 - Install security software and configure backups.
 - Prepare server for 3rd party application installations and data migration.
 - Customer will need to coordinate with 3rd party application vendors for application migrations.
 - Asyst
 - Laserfiche
 - Verify no further applications or services running on legacy server.
 - Any items found will need to be addressed out of scope.
 - Shutdown legacy server and remove from backups.
- Decommission legacy ESXi host.
 - Verify no further applications, data or servers remain on legacy host.
 - Any items found will need to be addressed out of scope.
 - Shutdown host and disconnect from network and power.
- Post Project QA Checklist

Project Overview

- Project Closure Meeting/Call
- Customer Considerations
 - Vendor support and assistance will be required with application migrations. Any work performed by CIT will be t&m and billed separately from the quoted hours on this project.
 - VMware Subscription Model Pricing
 - Effective February of 2024 - VMware has been acquired by Broadcom and has made changes to their licensing plans
 - Legacy Perpetual License options are no longer offered once their existing support agreements expires
 - All New Licensing Purchased will be based on a Subscription Model and will need to be renewed at the end of the term to continue utilize the VMware Product
 - The Previously Available ESXI Free Licensing is no longer offered and all existing license keys for this product are void
 - Licensing is Offered in 1/3/5 Year Subscriptions and is licensed per Core being used on your Hardware (Not by CPU as was previously the case)
 - Multi Year Subscriptions will still require Yearly Payments
 - VMware (Broadcom) Licensing (Out of Scope Billing)
 - Access to Licensing and Entitlement will need to be confirmed before work can be completed
 - If Upgrading from Legacy Licenses, an email on how to sign up for the Broadcom support site would have been sent to the customer in April of 2024
 - For New Purchases After May of 2024 - a Broadcom email will be sent directly to the customer
 - Any work performed by engineers or required to gain access to licensing will be billed Out of Scope for this project

CIT Project Management

- Manage Project Milestones
- Coordinate & Drive Project Update Calls & Communication
- Manage Change Orders

Change Orders

- Small Changes:
 - Changes less than 20% of the original scope will be managed informally with email verification by the PM.
- Significant Changes
 - Changes greater than 20% of the original scope will be managed with a formal approval process.

HPE Server

* Contains Optional Items

Description	Qty	Price	Ext. Price
HPE ProLiant DL380 G11 2U Rack Server - 1 x Intel Xeon Silver 4410Y 2 GHz - 32 GB RAM - 12Gb/s SAS Controller - Intel Chip - 2 Processor Support - 8 TB RAM Support - DDR5 SDRAM - Gigabit Ethernet - 8 x SFF Bay(s) - Hot Swappable Bays - 1 x 800 W	1	\$4,348.50	\$4,348.50
HPE Tech Care Essential - 3 Year - Warranty - On-site - Technical	1	\$4,085.92	\$4,085.92
HPE Integrated Lights-Out Advanced Plus 1 Year 24x7 Support and Updates - Subscription License - 1 Server - Standard - Available via Electronic	1	\$171.46	\$171.46

HPE Server

* Contains Optional Items

Description	Qty	Price	Ext. Price
HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit - Hot-pluggable - 96% Efficiency	1	\$158.65	\$158.65
HPE ProLiant DL380 Gen11 Standard Heat Sink Kit	1	\$88.08	\$88.08
HPE ProLiant DL380/DL560 Gen11 2U High Performance Fan Kit	1	\$425.25	\$425.25
HPE ProLiant DL380 Gen11 NS204i-u Internal Cable Kit	1	\$71.75	\$71.75
HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device	1	\$948.90	\$948.90
HPE Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T Adapter for HPE - PCI Express 3.0 x8 - 1.25 GB/s Data Transfer Rate - 2 Port(s) - 2 - Twisted Pair - 10GBase-T - Plug-in Card	2	\$277.12	\$554.24
HPE 1.92 TB Solid State Drive - 2.5" Internal - SATA (SATA/600) - Mixed Use - Server Device Supported - 3.05 DWPD - Hot Pluggable	6	\$1,087.49	\$6,524.94
HPE Intel Xeon Silver (4th Gen) 4410Y Dodeca-core (12 Core) 2 GHz Processor Upgrade - 30 MB L3 Cache - 64-bit Processing - 3.90 GHz Overclocking Speed - Socket LGA-4677 No Graphics - 150 W - 24 Threads	1	\$1,009.92	\$1,009.92
HPE 32GB DDR5 SDRAM Memory Module - For Server, Rack Server, Blade Server - 32 GB (1 x 32GB) - DDR5-4800/PC5-38400 DDR5 SDRAM - 4800 MHz Dual-rank Memory - 1.10 V - Registered - 288-pin - DIMM	1	\$643.86	\$643.86
HP Standard Power Cord - 6ft	2*	\$7.01	\$14.02
		* Optional Subtotal:	\$14.02
		Subtotal:	\$19,031.47

Perpetual Licensing

Description	Qty	Price	Ext. Price
WINDOWS SERVER 2022 STANDARD - 16 CORE PACK	1	\$1,069.00	\$1,069.00
WINDOWS SERVER 2022 STANDARD - 2 CORE PACK	4	\$134.00	\$536.00
WINDOWS SERVER 2022 - 1 USER CAL	25	\$46.00	\$1,150.00
		Subtotal:	\$2,755.00

VMware Licensing

* Contains Optional Items

Description	Qty	Price	Ext. Price
Licensing Period: Nov 29, 2024 Nov 28, 2027			
Terms:			
1) Year 1 will be invoiced on Nov 29, 2024			
2) Year 2 will be invoiced on Nov 29, 2025			
3) Year 3 will be invoiced on Nov 29, 2026			
Year 1			
VMware VSphere v. 8 Standard - Subscription License	32	\$50.00	\$1,600.00
Year 2			
VMware VSphere v. 8 Standard - Subscription License	32*	\$50.00	\$1,600.00
Year 3			
VMware VSphere v. 8 Standard - Subscription License	32*	\$50.00	\$1,600.00
		* Optional Subtotal:	\$3,200.00
		Subtotal:	\$1,600.00

2024 Services (T&M)

This is NOT a fixed bid. Services will be billed on a time and materials basis. We will work closely with you and give you as much advance notice as possible if the project is likely to exceed this estimate.

Description	Qty.	Std. Rate	Discount	Price	Ext. Price
CIT Network Engineer	40	\$220.00	20.00%	\$176.00	\$7,040.00
CIT Network Engineer (After Hours)	8	\$330.00	20.00%	\$264.00	\$2,112.00
CIT Project Management	5	\$155.00	20.00%	\$124.00	\$620.00
				Subtotal:	\$9,772.00

Quote Summary

Description	Amount
HPE Server	\$19,031.47
Perpetual Licensing	\$2,755.00
VMware Licensing	\$1,600.00
2024 Services (T&M)	\$9,772.00
	Subtotal: \$33,158.47
	Shipping: \$50.00
	Total: \$33,208.47

*Optional Expenses

Description	One-Time
HPE Server	\$14.02
VMware Licensing	\$3,200.00
	Optional Subtotal: \$3,214.02

By signing this quote, it is assumed that CIT will proceed with placing orders for the recommended products and services. Quoted prices are based upon market pricing at the time of the quote. Due to fluctuating market conditions, pricing for third-party hardware, services, and related products are subject to change due to the market pricing in effect at the time of delivery. CIT will make commercially reasonable efforts to communicate with the customer for material price increases prior to delivery.

Beyond the standard configuration and deployment of the tool/service, additional configuration, tuning will be billed T&M.

In addition to billable travel time, customers will be responsible for reimbursing all travel-related expenses, including but not limited to transportation, accommodation, meals, and incidentals, in accordance with the agreed-upon terms outlined in the project contract.

Each of the parties hereto has caused this Schedule to be duly executed by their authorized representatives on the date expressed below. The terms of this project proposal ("Schedule") by and between Computer Integration Technologies, Inc., ("CIT") and Customer are part of, and are hereby incorporated into, the Master Service Agreement executed by CIT and Customer.

Please do not pay from quote; taxes, shipping, handling and other fees may apply. Not all items are available for refund or exchange and must be approved by CIT prior to product return. Customers may need to work directly with manufacturers for item returns.

**Dell now prohibits returns on all products regardless of reason.*

CIT requires 50% down payment upon acceptance on all orders over \$10,000 unless prior approval has been given. Additional down payment may be required if customer credit line is insufficient. Due to changing market conditions, partial invoices may be created as the hardware is shipped.

CIT City of Spring Lake Park

Signature: Colton Jesse
Name: Colton Jesse
Title: Sr. Account Executive
Date: 11/06/2024

Signature: _____
Name: Daniel Buchholtz
Date: _____