



Strategy | Technology | Results

*A Converge Technology Solutions Company*



Ms. Melissa Pettrey  
Department of Administration  
Purchasing Division  
2019 Washington Street, East  
Charleston, WV 25305

October 6, 2020

Dear Ms. Pettrey,

Please find attached the SIS response to CRFQ 0947 ERP2100000005 due October 6, 2020. SIS agrees with the requirements of the RFQ and is submitting our response accordingly. SIS was the successful vendor that implemented the original WV Oasis Production and DR FlexPod installation that included the current technologies being bid.

The RFQ states that all professional services personnel must have experience with projects of similar scope utilizing the hardware and software.

Under specifications: The Vendor shall furnish **all material, labor, equipment, and software license** necessary to complete all services per the requirements. All implementation services are included and will be provided with certified employees as was the original implementation last year. This RFQ is requesting additions to the same technologies that are currently being utilized by the Enterprise Resource Planning Board.

Thank you for the opportunity to submit this response.

Sincerely,

Charles D. Arnett  
Senior Client Executive  
[carnett@thinksis.com](mailto:carnett@thinksis.com)

Enclosures

RECEIVED

2020 OCT -5 PM 3:42

WV PURCHASING  
DIVISION



Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Centralized Request for Quote  
 Info Technology

Proc Folder: 768351			Reason for Modification:
Doc Description: Production FlexPod Additions to wvOASIS Infrastructure			
Proc Type: Central Contract - Fixed Amt			
Date Issued	Solicitation Closes	Solicitation No	Version
2020-09-22	2020-10-06 13:30	CRFQ 0947 ERP2100000005	1

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Customer Code:  
 Vendor Name : Software Information Systems, LLC  
 Address : 165 Barr Street  
 Street :  
 City : Lexington  
 State : KY Country : USA Zip : 40507  
 Principal Contact : Karen Smallwood  
 Vendor Contact Phone: 859.398.3222 Extension:  
*Total \$235,907.00*

**FOR INFORMATION CONTACT THE BUYER**  
 Melissa Pettrey  
 (304) 558-0094  
 melissa.k.pettrey@wv.gov

Vendor Signature X *Karen Smallwood* FEIN# 61-137685 DATE 10/02/2020

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION**

## Request for Quotation

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Enterprise Resource Planning Board (wvOASIS) to establish a contract to add products to the existing Production Infrastructure of the wvOASIS system and obtain Services to assist in the installation and configuration of the new hardware and software per specifications and terms and conditions as attached hereto.

The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	UCS B200 Blade w/o CPU, MEM, HDD, MEZ, or equal	2.00000	EA	2660.00	5320.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	SNTC 24x7x40S UCS B22 M5 Blade w/o CPU, or equal	2.00000	EA	2200.00	4400.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Cisco UCS VIC 1440 Modular LOM for Blade, or equal	2.00000	EA	1035.00	2070.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Cisco UCS VIC 1480 Modular LOM for Blade, or equal	2.00000	EA	1257.00	2514.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	32GB SD Card for UCS Servers, or equal	2.00000	EA	120.00	240.00

Comm Code	Manufacturer	Specification	Model #
43202005			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	Trusted Platform Module 2.0 for UCS Servers, or equal	1.00000	EA	55.00	55.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	UCS 5108 Blade Chassis FW Package 4.1, or equal	2.00000	EA		- 0 -

Comm Code	Manufacturer	Specification	Model #
43201602			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	Other Infrastructure, or equal	2.00000	EA		- 0 -

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO		SHIP TO	
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US		ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	Other Workload, or equal	2.00000	EA		- 0 -

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO		SHIP TO	
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US		ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	FlexStorage Blanking Panels w/o Controller, or equal	4.00000	EA		- 0 -

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	Mini Storage Carrier for SD, or equal	2.00000	EA		- 0 -

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	CPU Heat Sink for UCS B-Series M5 CPU, or equal	2.00000	EA		- 0 -

Comm Code	Manufacturer	Specification	Model #
32131001			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.



INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
13	CPU Heat Sink for UCS B-Series M5 CPU, or equal	2.00000	EA		- 0 -

Comm Code	Manufacturer	Specification	Model #
32131001			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
14	UCS DIMM Blanks, or equal	24.00000	EA		- 0 -

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
15	3.8GHZ/125W 5222 4C/16.50MB 3DX DDR4 293, or equal	2.00000	EA	332.00	664.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
16	2.6GHZ/150W 6240 18C/24.75MB 3DX DDR4 29, or equal	2.00000	EA	6443.00	12886.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
17	32GB DDR4-2933-MHZ RDIMM/2RX4/1.2V, or equal	24.00000	EA	940.00	20,160.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
18	32GB DDR4-2933-MHZ RDIMM/2RX4/1.2V REFURB, or equal	144.00000	EA	510.00	73,440.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
19	Integration Services, or equal	2.00000	EA	7500.00	15,000.00

Comm Code	Manufacturer	Specification	Model #
81112309			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
20	NetApp Shelf, or equal	1.00000	EA		-0-

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO		SHIP TO	
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US		ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
21	Rail Kit, 4-Post, Rnd/Sq-Hole, Adj, 24-32, or equal	1.00000	EA	90.00	90.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO		SHIP TO	
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US		ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
22	SSD Shelf, 12G, 12x960GB, -QS, or equal	1.00000	EA	11280.00	11280.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
23	ONTAP, Per-0.1TB, FlashBundle, Add-On, 2P, QS, or equal	115.00000	EA	136.20	15640.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
24	Power Cable, In-Cabinet, 48-IN, C13-C14, or equal	2.00000	EA	0	0

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
25	Cable, 12GB, Mini SAS HD, 2m, or equal	4.00000	EA	100.00	400.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
26	SupportEdge Premium 4hr Onsite, or equal	1.00000	EA	570.00	570.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
27	PS Deployment, Standard, Shelf, or equal	1.00000	EA	7,000.00	7,000.00

Comm Code	Manufacturer	Specification	Model #
43222600			

**Extended Description:**  
 Exact specifications can be found on the attached specifications sheet.

INVOICE TO	SHIP TO
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
28	Customer Purchasing Program T1 VMware Site Recovery Manager8	1.00000	EA	3300.00	13,200.00

Comm Code	Manufacturer	Specification	Model #
81112200			

**Extended Description:**  
 Exact specifications can be found on the attached specifications sheet.



INVOICE TO		SHIP TO	
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US		ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
31	Production Support/Subscription for VMware Vsphere 7 Enterpr	1.00000	EA	2297.00	9188.00

Comm Code	Manufacturer	Specification	Model #
81112200			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

INVOICE TO		SHIP TO	
ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US		ENTERPRISE RESOURCE PLANNING BOARD 1007 BULLITT STREET SUITE 400 CHARLESTON WV 25301 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
32	Red Hat Enterprise Linux, or equal	1.00000	EA	10450	10,450.00

Comm Code	Manufacturer	Specification	Model #
43233004			

**Extended Description:**

Exact specifications can be found on the attached specifications sheet.

**SCHEDULE OF EVENTS**

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
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	Document Phase	Document Description	Page 18
ERP2100000005	Final	Production FlexPod Additions to wvOASIS Infrastructure	

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

REQUEST FOR QUOTATION  
Additional Infrastructure Products (FlexPod)

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**11. MISCELLANEOUS:**

**11.1 Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Charles Arnett  
Telephone Number: 304 768-1645  
Fax Number: 304-768-1621  
Email Address: carnett@thinkid.com

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Karen Smallwood, Director of Contracts & Compliance  
(Name, Title)  
165 Barr Street  
(Address)  
Lexington, KY 40507  
(Phone Number) / (Fax Number)  
859.398.3222 - ksmallwood@thinksis.com  
(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Software Information Systems, LLC  
(Company)

*Karen Smallwood, Director of Contracts & Compliance*  
(Authorized Signature) (Representative Name, Title)

Karen Smallwood, Director of Contracts & Compliance  
(Printed Name and Title of Authorized Representative)

October 2, 2020  
(Date)

859.398.3222  
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

**"Debt"** means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Software Information Systems, LLC

Authorized Signature: Karen Smallwood Date: October 2, 2020

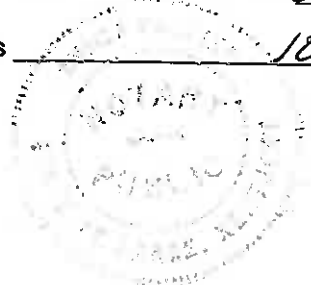
State of Kentucky

County of Montgomery, to-wit:

Taken, subscribed, and sworn to before me this 2nd day of October, 2020.

My Commission expires 10-11, 2020.

**AFFIX SEAL HERE**



**NOTARY PUBLIC**

Candi Collier

**Cisco UCS with 5 Years Support**

Part Number	Part Description	Quantity	Unit Price	Extended Price
UCSB-B200-M5-U	UCS B200 Blade w/o CPU, MEM, HDD, MEZ, or equal	2	\$2,660.00	\$5,320.00
CON-OSP-BB200M5U	SNTC 24x7x40S UCS B22 M5 Blade w/o CPU, or equal	2	\$2,200.00	\$4,400.00
UCSB-MLOM-40G-04	Cisco UCS VIC 1440 Modular LOM for Blade, or equal	2	\$1,035.00	\$2,070.00
UCSB-VIC-M84-4P	Cisco UCS VIC 1480 Modular LOM for Blade, or equal	2	\$1,257.00	\$2,514.00
UCS-SD-32G-S	32GB SD Card for UCS Servers, or equal	2	\$120.00	\$240.00
UCSX-TPM2-002	Trusted Platform Module 2.0 for UCS Servers, or equal	1	\$55.00	\$55.00
N20-FW017	UCS 5108 Blade Chassis FW Package 4.1, or equal	2	\$0.00	\$0.00
UCS-SID-INFRA-OI	Other Infrastructure, or equal	2	\$0.00	\$0.00
UCS-SID-WKL-OW	Other Workload, or equal	2	\$0.00	\$0.00
UCSB-LSTOR-BK	FlexStorage Blanking Panels w/o Controller, or equal	2	\$0.00	\$0.00
UCS-MSTOR-SD	Mini Storage Carrier for SD, or equal	4	\$0.00	\$0.00
UCSB-HS-M5-R	CPU Heat Sink for UCS B-Series M5 CPU, or equal	2	\$0.00	\$0.00
UCSB-HS-M5-F	CPU Heat Sink for UCS B-Series M5 CPU, or equal	2	\$0.00	\$0.00
UCS-DIMM-BLK	UCS DIMM Blanks, or equal	24	\$0.00	\$0.00
UCS-CPU-I5222	3.8GHZ/135W 5222 4C/16.50MB 3DX DDR4 293, or equal	2	\$3,302.00	\$6,604.00
UCS-CPU-I6240	2.6GHZ/150W 6240 18C/24.75MB 3DX DDR4 29, or equal	2	\$6,443.00	\$12,886.00
UCS-MR-X32G2RT-H	32GB DDR4-2933-MHZ RDIMM/2RX4/1.2V, or equal	24	\$840.00	\$20,160.00
UCS-MR-X32G2RT-H-RF	32GB DDR4-2933-MHZ RDIMM/2RX4/1.2V - Refurb., or equal	144	\$510.00	\$73,440.00
P177/R1	Integration Services, or equal	2	\$7,500.00	\$15,000.00

**Total Price: \$142,689.00**

**NetApp Shelf with 52 Months Support**

Part Number	Part Description	Quantity	Unit Price	Extended Price
D5224C	NetApp Shelf, or equal	1	\$0.00	\$0.00
X-02659-00	Rail Kit, 4-Post, Rnd/Sq-Hole, Adj, 24-32, or equal	1	\$90.00	\$90.00
D5224C-S-96-125-Q5	SSD Shelf, 12G, 12x960GB, -QS, or equal	1	\$11,280.00	\$11,280.00
SW-FLASHBNDL-ADD-2P-Q	ONTAP, Per-0.1TB, FlashBundle, Add-On, 2P, QS, or equal	115	\$136.00	\$15,640.00
X1558A-R6	Power Cable, In-Cabinet, 48-IT, C13-C14, or equal	2	\$0.00	\$0.00
X66032A	Cable, 12GB, Mini SAS HD, 2m, or equal	4	\$100.00	\$400.00
CS-02-4HR	SupportEdge Premium 4hr Onsite, or equal	1	\$5,700.00	\$5,700.00
PS-DEPLOY-STAND-SHELF	PS Deployment, Standard, Shelf, or equal	1	\$7,000.00	\$7,000.00

**Total Price: \$40,110.00**

**VMware and RedHat Software with 3 Years Support**

Part Number	Part Description	Quantity	Unit Price	Extended Price
VC-SRM8-25E-C-T1	Customer Purchasing Program T1 VMware Site - Recovery Manager 8 Enterprise - 25 VM Pack - Production Support/Subscription for VMware Site, or equal	1	\$11,170.00	\$11,170.00
VC-SRM8-25E-3PSSS-C	Recovery Manager 8 Enterprise - 25 VM Pack - 3 Years, or equal	1	\$9,100.00	\$9,100.00
VS7-EPL-C-T1	Customer Purchasing Program T1 VMware Vsphere 7 Enterprise Plus for 1 Processor, or equal	4	\$3,300.00	\$13,200.00
VS7-EPL-3P-SSS-C	Production Support/Subscription for VMware Vsphere 7 Enterprise Plus for 1 Processor for 3 Years, or equal	4	\$2,297.00	\$9,188.00
RH00001F#	Red Hat Enterprise Linux, or equal	1	\$10,450.00	\$10,450.00

**Total Price: \$53,108.00**

**Grand Total: \$235,907.00**

**WV Oasis Additionns -10-5-2020**  
**Cisco Blades with 5 Years Support (New Memory)**

Line No.	Qty	Part Number	Description
1	1	UCSB-B200-M5-U	UCS B200 M5 BLADE W/O CPU, MEM,
2	1	CON-OSP-BB200M5U	SN7C 24X7X40S UCS B200 M5 BLADE
3	1	UCSB-MLOM-40G-04	CISCO UCS VIC 1440 MODULAR LOM
4	1	UCSB-VIC-M84-4P	CISCO UCS VIC 1480 MODULAR LOM
5	1	UCS-SD-32G-S	32GB SD CARD FOR UCS SERVERS
6	1	UCSX-TPM2-002	TRUSTED PLATFORM MODULE 2.0 FOR
7	1	N20-FW017	UCS 5108 BLADE CHASSIS FW PACKAGE
8	1	UCS-SID-INFR-OI	OTHER INFRASTRUTURE
9	1	UCS-SID-WKL-OW	OTHER WORKLOAD
10	2	UCSB-LSTOR-BK	FLEXSTORAGE BLANKING PANELS W/O
11	1	UCS-MSTOR-SD	MINI STORAGE CARRIER FOR SD
12	1	UCSB-HS-M5-R	CPU HEAT SINK FOR UCS B-SERIES M5
13	1	UCSB-HS-M5-F	CPU HEAT SINK FOR UCS B-SERIES M5
14	12	UCS-DIMM-BLK	UCS DIMM BLANKS
15	2	UCS-CPU-I5222	3.8GHZ/125W 5222 4C/16.50MB 3DX DDR4
16	12	UCS-MR-X32G2RT-H	32GB DDR4-2933-MHZ RDIMM/2RX4/1.2V
17	1	P177/RI	INTEGRATION SERVICES

Line No.	Qty	Part Number	Description
1	1	UCSB-B200-M5-U	UCS B200 M5 BLADE W/O CPU, MEM,
2	1	CON-OSP-BB200M5U	SN7C 24X7X40S UCS B200 M5 BLADE
3	12	UCS-MR-X32G2RT-H	32GB DDR4-2933-MHZ RDIMM/2RX4/1.2V
4	1	UCSB-MLOM-40G-04	CISCO UCS VIC 1440 MODULAR LOM
5	1	UCSB-VIC-M84-4P	CISCO UCS VIC 1480 MODULAR LOM
6	1	UCS-SD-32G-S	32GB SD CARD FOR UCS SERVERS
7	1	N20-FW017	UCS 5108 BLADE CHASSIS FW PACKAGE
8	1	UCS-SID-INFR-OI	OTHER INFRASTRUTURE
9	1	UCS-SID-WKL-OW	OTHER WORKLOAD
10	2	UCSB-LSTOR-BK	FLEXSTORAGE BLANKING PANELS W/O
11	1	UCS-MSTOR-SD	MINI STORAGE CARRIER FOR SD
12	1	UCSB-HS-M5-R	CPU HEAT SINK FOR UCS B-SERIES M5
13	1	UCSB-HS-M5-F	CPU HEAT SINK FOR UCS B-SERIES M5
14	12	UCS-DIMM-BLK	UCS DIMM BLANKS
15	2	UCS-CPU-I6240	2.6GHZ/150W 6240 18C/24.75MB 3DX
16	1	P177/RI	INTEGRATION SERVICES

Line No.	Qty	Part Number	Description
1	72	UCS-MR-X32G2RTH-RF	32GB DDR4-2933-MHZ RDIMM/2RX4/1.2V

Line No.	Qty	Part Number	Description
1	72	UCS-MR-X32G2RTH-RF	32GB DDR4-2933-MHZ RDIMM/2RX4/1.2V

**NetApp Shelf with 52 Months Support**

Line No.	Qty	Part Number	Description
1	1	DS224C	
2	1	X-02659-00	Rail Kit,4-Post,Rnd/Sq-Hole,Adj,24-32
3	1	DS224C-S-96-12S-QS	SSD Shelf,12G,12x960GB,-QS
4	115	SW-FLASHBNL-ADD-2P-QS	ONTAP,Per-0.1TB,FlashBundle,Add-On,2P,QS
5	2	X1558A-R6	Power Cable,In-Cabinet,48-IN,C13-C14
6	4	X66032A	Cable,12Gb,Mini SAS HD,2m
7	1	CS-O2-4HR	SupportEdge Premium 4hr Onsite
8	1	PS-DEPLOY-STAND-SHELF	PS Deployment,Standard,Shelf

**VMware and Red Hat with 3 Years Support**

Line No.	Qty	Part Number	Description
1	1	VC-SRM8-25E-C-T1	CUSTOMER PURCHASING PROGRAM T1 VMWARE SITE RECOVERY MANAGER 8 ENTERPRISE (25 VM PACK)
2	1	VC-SRM8-25E-3PSSS-C	PRODUCTION SUPPORT/SUBSCRIPTION FOR VMWARE SITE RECOVERY MANAGER 8 ENTERPRISE (25 VM PACK) FOR 3 YEARS
3	4	VS7-EPL-C-T1	CUSTOMER PURCHASING PROGRAM T1 VMWARE VSPHERE 7 ENTERPRISE PLUS FOR 1 PROCESSOR
4	4	VS7-EPL-3P-SSS-C	PRODUCTION SUPPORT/SUBSCRIPTION FOR VMWARE VSPHERE 7 ENTERPRISE PLUS FOR 1 PROCESSOR FOR 3 YEARS
5	1	RH00001F#	Red Hat Enterprise Linux



Strategy | Technology | Results



## BJ Schwein

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BJ Schwein is a Converged Solutions Architect at SIS specializing in Compute, HCI, VMware & BCDR projects.

### Certifications and Related Skills

- 
- VMware Certified Professional 6 – Data Center Virtualization
  - BCDR – Zerto Certified Professional Enterprise Engineer
  - HCI – VMware Technical Sales Professional – Hyper-Converged Infrastructure
  - Technical Engineering
  - Technical Project Management
  - Technical Documentation

### Project and Work History

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**Industry: Healthcare**

**Project: VMware vSphere & Horizon Upgrade**



Lead engineer for a healthcare client for a VMware vSphere 5.5 to 6.7 upgrade and Horizon upgrade

- Worked with Sr Admin client to review and plan the upgrades
- Replaced rack mount x86 servers with Cisco UCS blades
- Deployed new VMware vCenter servers and ESXi Hosts
- Deployed new Horizon 7 components
- Migrated virtual machines from old environment to new environment
- Provided technical Documentation

**Industry: State Government**

**Project: VMware vSphere & Site Recovery Manager Upgrade**

Lead engineer for a State Government agency to replace a VMware vSphere 6.5 environment with new hardware and vSphere 6.7 for Production and DR

- Installed new Cisco UCS HW for Prod and DR
- Deployed new VMware vCenter servers and ESXi Hosts for Prod and DR
- Deployed new SRM Servers for Prod and DR
- Provided technical Documentation

**Industry: Food**

**Project: HW Upgrade**

Lead engineer for a client to replace aging UCS blades with current generation of UCS blades

- Upgraded UCS Manager firmware
- Performed rolling replacement of UCS blades running a production VMware environment with zero downtime
- Upgraded UCS Blade firmware
- Provided UCS health check post upgrade

**Industry: Manufacturing**

**Project: VMware upgrade & HW replacement**

Lead engineer working with client to replace aging x86 servers and upgrade VMware vSphere from 5.5 to 6.7

- Installed new x86 servers and integrated into existing storage
- Deployed new vCenter 6.7 server
- Performed rolling replacement of production VMware Hosts
- Installed and configured ESXi on new servers
- Provided technical Documentation



Red Hat Sales Engineer Specialist - Cloud Infrastructure	Cloud Infrastructure	Cloud Infrastructure
Red Hat Sales Engineer Specialist - Cloud Infrastructure	Cloud Infrastructure	Cloud Infrastructure
Red Hat Sales Engineer Specialist - Cloud-Native Development	Middleware Solutions	Cloud-Native Development
Red Hat Sales Engineer Specialist - Container Platform	Cloud Infrastructure	Container Platform
Red Hat Sales Engineer Specialist - Container Platform	Cloud Infrastructure	Container Platform
Red Hat Sales Engineer Specialist - Container Platform	Cloud Infrastructure	Container Platform
Red Hat Sales Engineer Specialist - Container Platform	Cloud Infrastructure	Container Platform
Red Hat Sales Engineer Specialist - Platform	Data Center Infrastructure	Platform
Red Hat Sales Engineer Specialist - Platform	Data Center Infrastructure	Platform
Red Hat Sales Engineer Specialist - Red Hat OpenShift on Microsoft Azure	Cloud Infrastructure	Other
Red Hat Sales Engineer Specialist - Virtualization	Data Center Infrastructure	Virtualization / RHEV

## Cisco Certifications

ID	Partner Name	Certification	Certification Description
432534	CONVERGE ACQUISITIONS LLC	CCNA-DC	CCNA Data Center
432534	CONVERGE ACQUISITIONS LLC	CCNA-DC	CCNA Data Center
432534	CONVERGE ACQUISITIONS LLC	CCNA-DC	CCNA Data Center
432534	CONVERGE ACQUISITIONS LLC	CCNA-DC	CCNA Data Center
432534	CONVERGE ACQUISITIONS LLC	CCNA-DC	CCNA Data Center
432534	CONVERGE ACQUISITIONS LLC	CCNP-DC	CCNP Data Center
432534	CONVERGE ACQUISITIONS LLC	CCNP-DC	CCNP Data Center
432534	CONVERGE ACQUISITIONS LLC	CCNP-DC	CCNP Data Center
432534	CONVERGE ACQUISITIONS LLC	CCS-DCACII	CCS - Data Center ACI Implementation
432534	CONVERGE ACQUISITIONS LLC	CCS-DCACII	CCS - Data Center ACI Implementation
432534	CONVERGE ACQUISITIONS LLC	CCS-DCACII	CCS - Data Center ACI Implementation
432534	CONVERGE ACQUISITIONS LLC	CCS- DCCORE	CCS - Data Center Core
432534	CONVERGE ACQUISITIONS LLC	CCS- DCCORE	CCS - Data Center Core





432534	CONVERGE ACQUISITIONS LLC	PSDCUCAM	Cisco Data Center Unified Computing AM Exam (#650-987)
432534	CONVERGE ACQUISITIONS LLC	PSDCUCAM	Cisco Data Center Unified Computing AM Exam (#650-987)
432534	CONVERGE ACQUISITIONS LLC	PSDCUCAM	Cisco Data Center Unified Computing AM Exam (#650-987)
432534	CONVERGE ACQUISITIONS LLC	PSDCUCAM	Cisco Data Center Unified Computing AM Exam (#650-987)
432534	CONVERGE ACQUISITIONS LLC	PSDCUCAM	Cisco Data Center Unified Computing AM Exam (#650-987)

Charlie Arnett

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**From:** Franko, David <Dave.Franko@netapp.com>  
**Sent:** Monday, October 5, 2020 2:53 PM  
**To:** Charlie Arnett  
**Subject:** Subject: CRFQ 0947 ERP210000005 due 10-6-2020

[EXTERNAL SENDER]

Subject: CRFQ 0947 ERP210000005 due 10-6-2020

SIS is a reseller of NetApp equipment, services and professional services for the subject RFQ. NetApp will install the NetApp section of the SIS response with NetApp personnel as was done in the original installation for FlexPod last year.

Sincerely,

**Dave Franko**

[dfranko@netapp.com](mailto:dfranko@netapp.com)

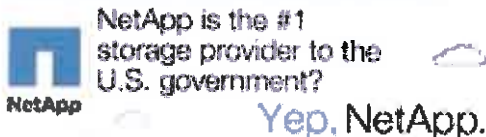
Sales Representative | NetApp Public Sector – OH, WV, IN, MI and PA West

545 Metro Place S. Suite 100 | Dublin, OH 43017

614.203.4910 | mobile

[Twitter @davefranko](#)

[Click here for NetApp GSA Schedule](#)



[www.netapp.com](http://www.netapp.com)

## SENIOR STORAGE CONSULTANT

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### TECHNICAL SKILLS

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- 18 years implementing and managing NetApp FAS and IBM N-Series hardware (SAN & NAS)
- Considerable experience deploying VMware in a NetApp environment. Frequently utilized as a subject matter expert to bring existing VMware environments into alignment with NetApp best practices as well as planning and implementing completely new deployments.
- Experienced in deploying VMware SRM.
- Setup and configuration of NetApp FAS, FlexArrays and MetroClusters in both 7-Mode and Clustered Data Ontap.
- Served as the lead consultant on several large migrations to replace existing EMC with NetApp arrays.
- Great understanding of all major server operating systems; SUSE, RedHat, Solaris, AIX, HPUX, Windows 2003/2008/2012 (incl. failover clustering).
- SAN Fabric design and implementation on Cisco and Brocade fiber channel switches.
- Data migration from small to large projects on virtually every OS with an emphasis on database data.
- Delivered training one on one and in classroom environments on many NetApp topics; Data Ontap, data replication, data protection, storage provisioning according to NetApp best practices for specific applications, all SnapManager products.
- 12 years of experience solving data storage migration, replication and consolidation issues.
- Comprehensive experience in disaster recovery, planning and testing.
- Network topology design and implementation.
- Excellent interpersonal and communication skill.
- Enterprise backup solution design and implementation (Veritas, Legato, NetBackup and NetApp's Snapvault).
- Data storage management with emphasis on SAN and NAS centralized storage.

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### PROFILE

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- DOD TOP SECRET SECURITY CLEARANCE

#### Expertise in:

- Windows Server 2008 and 2012 systems administration, server and desktop security; as well as of Web Server administration (IIS).
- Experience in configuring, installing server applications and troubleshooting LAN issues.
- Experience in deploying and managing NetApp storage appliances.
- Proficient in using NetApp Snapmanager for Exchange Server 2010 and 2013 to backup and restore mailboxes.
- Linux: RHEL, Suse Linux, Ubuntu, Centos
- VMware Clustering /vmotion /HA/DRS
- Directory Services Solutions Implementation
- Exposure to Unix: FreeBSD, AIX, Solaris, Microsoft Private Cloud & Storage
- Microsoft System Center Operations Manager
- Citrix Xen Server<sup>[SEP]</sup>; Citrix XenApp & Xen Desktop<sup>[SEP]</sup>
- PowerShell Scripting
- VMware Vcenter Operations<sup>[SEP]</sup>
- Microsoft Active Directory<sup>[SEP]</sup>
- Exchange Server: 2003, 2007, 2010, 2013
- SQL Server: 2005, 2008, 2012, 2014
- SharePoint Server: 2010, 2013<sup>[SEP]</sup>
- VMware VSphere<sup>[SEP]</sup>
- Hyper-V Clustering Implementations<sup>[SEP]</sup>
- Storage Area Networks, NetApp Oracle/ MySQL /MS SQL<sup>[SEP]</sup>
- Experience with NetApp FAS and e-Series Hardware
- EMC Isilon OneFS



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## CAREER PATH

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**February 2008 – present**

**Position:** Senior Professional Services Consultant

**Employer:** NetApp

- Currently serve as a Senior Professional Service Consultant in the SLED region with a focus on architecting and deploying NetApp hardware and software in both 7-Mode and Clustered Data Ontap environments.
- In this role, I design and deploy technical architectures that deliver the highest value add on NetApp solutions.
- Work closely with the sales team to present solutions to customers' unique requirements.
- Contribute to the improvement or enhancement of NetApp consulting best practices.
- Actively working in transitioning existing NetApp customers from 7-mode to Clustered Data Ontap 8.2 and 8.3.
- Serve as SLED lead consultant on MetroCluster deployments in both 7-mode and Clustered Data Ontap 8.3.
- Architect and deploy large virtualization environments running VMware, Hyper-v and Xen Server on NetApp Clustered Data Ontap storage.
- Design various disaster recovery solutions for NetApp customers to include Synchronous and Asynchronous SnapMirror and VMware SRM.
- Enable clients with quick backup and restore capability using NetApp technologies such as SnapShots, Snapvault, SnapManager application suite as well as SnapProtect and Snap Creator.
- Architect and deploy NetApp MetroCluster solutions running on Clustered Ontap.
- Provide assistance with Oracle DB configurations on RHEL and Oracle Linux to ensure operational efficiency of ASM on NetApp storage.
- Deliver end-to-end FlexPod solutions to include configuration of Cisco's Nexus switches, UCS and NetApp storage.
- Complete data migration from other storage vendors to NetApp systems using various tools to include Robocopy, 7MTT, NetApp's DTA appliance, XCP, StorageX, DataDobi and SecureCopy.
- Educate customer on NetApp management tools such as OCUM, OCPM, & WFA
- Continue to receive several recognitions from NetApp customers for helping them with seamless integration of NetApp Solution sets in their existing environments.

**July 2006 – February 2008**

**Position:** Professional Services Engineer (Contractor at NetApp)

**Employer:** Softnet Technologies, Inc.

- Completed NetApp FAS and V-Series installation and configuration.
- Assisted customers in migrating data from local attached storage as well as from other storage vendors to new NetApp systems.
- Assisted customers with environment wide standardizations on new NetApp storage
- Educated customer on NetApp management tools such as DFM, Protection and Provisioning Manager and System Manager.
- Created event specific PowerShell scripts to perform volume, qtree, and share name standardization.
- Assisted NetApp customers with iSCSI and FCP SAN connectivity on VMware ESXi, MS Hyper-V, SQL and Oracle DB Servers.
- Provided customer with the ability to backup and recover VMware environment using SMVI.
- Backup and recovery operations on SQL using SnapManager for SQL
- Client connectivity to CIFS and NFS to the NetApp running Data Ontap 7-mode.

## **June 2002 – July 2006**

**Position:** Systems Administrator

**Employer:** EDS (Contractor at the US ARMY Materiel Command)

- Administered Active Directory OU objects to include user, computer and group accounts creation, permission levels for file and print resources, computers and users policy using the AD global policy editor.
- Administered six Exchange Servers running Microsoft Exchange Server 5.5 SP4 including disaster recovery planning.
- Managed and maintain Outlook Web Access server.
- Administered 2 Network Appliance FAS940 filers running Data Ontap version 7.0.2, clustered with failover capability. Created and managed aggregates, volumes and LUNs for easy data management to include MS Exchange database and flat files storage.
- Installed, implemented and administered Quota File Sentinel (QFS) server for NetApp. Create File and Folder policies to enforce storage quotas on the NetApp filers.
- Used SnapManager for Exchange 5.5 to backup and perform up to the minute restore of Microsoft Exchange 5.5 mailboxes.
- Created disaster recovery plan for MS Exchange 5.5.
- Used CA Brightstor backup software to archive important organization data.
- Administered Blackberry Enterprise 4.0 Server supporting 300 users. Coordinated the deployment of handheld devices to the user community. Developed and maintained Blackberry global policies. Troubleshot issues with connectivity, mail forwarding, and configuration of handheld devices. Incorporated the use of S/MIME with the 7290 devices allowing encrypted email traffic flow using the Blackberry Smart-Card Reader (Wireless CAC)
- Migrated 1500 users and 60 servers from Windows NT 4.0 environment to Active Directory using Quest Migration Tool.
- Served as a member of a problem management team that investigates underlying causes of incidents, and aims to prevent incidents of similar nature from recurring.
- Responded to and repair hardware issues on Dell Latitude laptops, Optiplex desktops, Precision Workstations and PowerEdge servers.
- Successfully upgraded 1500 computers to Windows SP2 using Unicenter Software Delivery along with CA Desktop DNA.
- Served as a software quality assurance and testing engineer; ensured that all GOTS and COTS packages are thoroughly tested against Windows XP for compatibility, functionality, reliability and security.
- Successfully implemented and supported a Desktop Video Conferencing solution using NetMeeting and a gatekeeper for about 135 users

## **December 2000 – June 2002**

**Position:** Systems Analyst II

**Employer:** MCI WORLDCOM

- Created and maintained user accounts, group accounts, permission levels for shared resources and print queues.
- Implemented, administered and supported windows 2000 workstations on a Windows NT domain (including DHCP, DNS, WINS, Group and Local security policies).
- Managed file and web servers for the Pentagon City location.
- Maintained tape back-ups of file servers using ArcServe.

- Installed and configured an internal training facility consisting of Windows 2000 workstations and Windows 2000 and NT 4.0 servers.
- Troubleshoot and resolved issues on client/server systems.
- Performed day-to-day support of the file/print services.
- Installed, configured, supported, and troubleshoot network hardware and software to ensure network availability to users on and off-site.
- Responded to and repaired all hardware issues on Dell equipments, Compaq Proliant servers and HP printers.

**March 2000 – December 2000**

**Position:** Desktop Support/NT Administrator

**Employer:** INFORMATUM Technologies

- Installed and maintained local area network hardware and software, including servers, peripherals, network nodes, terminals, and wiring.
- Managed servers; including software maintenance and data backups.
- Ensured smooth operations of LAN activities.
- Responded to client inquiries concerning systems operation and diagnosed system hardware, software, and operator problems.
- Provided updates, status, and completion information to manager; responded to users' requests via voice mail, e-mail, or in-person.
- Performed internal help desk responsibilities as required.

**September 1998 – March 2000**

**Position:** Helpdesk Analyst

**Employer:** IMCI Technologies

- Responded to and resolved customer issues such as LAN connection troubleshooting, RAS troubleshooting, password issues, and various other NT related issues.
- Provided client support for over 20 business applications.
- Logged, updated, and closed calls via the Remedy system.
- Serviced and resolved problems with notebook computers.
- Kept customers informed of all aspects of their service requests.
- Followed established escalation procedures, bringing all customer requests to resolution and/or escalation to management or technical support group.

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**EDUCATION**

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- NetApp Certified Data Administrator
- NetApp Certified Implementation Engineer
- Information Technology, George Mason University – May, 2017.
- Music Recording Engineering, New York Institute of Audio Research

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**TECHNOLOGY**

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**Networking:** DHCP, WINS, DNS, TCP/IP, FTP, SNMP, Telnet, Cable and DSL, Routing, Firewalls, UPS, POP, IMAP, PPP, PPTP, SMTP, RAS, PKI, NetApp, Nexus

**Productivity Software:** MS Office 2013, Computer Associates' AHD, Unicenter Software Delivery, Brightstor.  
**Operating Systems:** Server 2008, Server 2012, Active Directory, Clustered Data Ontap 8.3, REHL, AIX, ESXi, Solaris, HPUX.  
**NAS/SAN:** Network Appliance Storage System, Snapdrive, SnapManager of Exchange, iSCSI initiator, PowerControls, QFS for NetApp, Clustered Data Ontap, MetroCluster, Fiber Channel.

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#### **OTHER FACTS**

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Interests include sports, volunteering, and music. Fast learner and team player, with proven skills in problem solving; tenacious and highly organized.

Accomplished IT professional with **DoD Top Secret / SCI CI Ply clearance**, as of June 2017, and offering years of diversified experience in Information Technology, able to prioritize and meet operational deadlines in a demanding fast-past environment. Conscientious, detailed-oriented, with strong communication, organization, and problem-solving skills. Dedicated to surpassing, customer satisfaction and company expectations, seeking a challenging position with a company that will utilize previous experience and skills to meet business objectives and support commitments to customer service.

**EDUCATION:**

**Prairie View A&M University:**

Major- Computer Information Systems

**PROFESSIONAL CERTIFICATIONS:**

CompTIA Network + (COMP001009156092)  
CompTIA Security + SYO-201 (COMP001009156092)  
Microsoft Certified Technology Specialist (7118422)  
Microsoft Certified Professional ID: (7118422)  
MCITP Enterprise Server 2008 Administrator (7118422)  
Cisco Certified Network Associate (CCNA) Cisco ID (CSCO11669525)  
VMware Certified Professional v Sphere (71592)  
Information Technology Infrastructure Library (ITILV3)  
NetApp Certified Data Management Administrator (NETAPP00032241)

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**PROFESSIONAL EXPERIENCE**

- Infrastructure Engineer • Strategic Planning • Service Management • Virtualization / Cloud Computing
- Project Management • Problem Solving • Security • Managerial / Leadership • Disaster Recovery
- Change Management • Networking • Storage Infrastructure • Backup Engineer • Storage Engineer

**NetApp U.S. Public Sector Professional Services, Vienna, VA -**

**Parkland Hospital Dallas, Texas\ Lead NetApp Enterprise Engineer (onsite)- October 2014 – Present**

- Team Lead of 5 Storage engineers 24x7 operation
- Migrated over 4 PB over data; 16 nodes (A300, A700) NetApp Clustered running Cluster Mode 9.3
- Successfully migrated the core hospital applications (EPIC, PACS, VMWARE, VDI)
- Developed processes and procedures to track and report metrics on a weekly basis to senior management for remediation of risks identified. Engineering, deployment using NetApp OCUM
- Develop design plans regarding infrastructure reliability, availability, and scalability, with consideration towards integration of future requirements as well as customer financial considerations
- Ability organize and facilitate meetings between technical teams; act as situation manager; communicate with IT leadership.
- Participates in NetApp troubleshooting and triage during failure scenarios and participate in investigations to determine root cause and corrective actions.
- Participates in the design, selection, and implementation NetApp Storage (FAS/AFF Hardware platforms)
- Responsible for configuring and employing automated solutions to monitor the performance and utilization of data storage space, device processor utilization, and device port and network utilization using NetApp's (OCUM) software.
- Conducts data storage capacity planning and utilization trend analysis using advanced mathematical principals.
- Prepares documentation for NetApp systems, projects, and connections including drawings, diagrams, baselines, detailed change management documentation, instruction sheets, best practices, and security settings.
- Participates in Storage Efficiency Optimization activities such as upgrades, performance tuning, and system audit tasks.
- Implements backup and restore, disaster recovery, storage consolidation, data protection, storage performance, etc., in accordance with the customer's requirements.

**Customers Supported \ Roles:**

### **HealthCare.gov \ Lead NetApp Enterprise Engineer**

- Developed the storage architecture for HPES' implementation of the Obamacare system and worked with them to migrate the data from a competing cloud provider which enabled HPES to successfully perform the very complicated implementation and migration within the required timeframe.
- Led the implementation and tuning of the storage system to meet the Obamacare project's performance, availability and DR requirements and enabled HPES to deliver a world class solution.

### **The National Geospatial-Intelligence Agency (NGA) \ Lead NetApp Enterprise Engineer**

- Participates in NetApp troubleshooting and triage during failure scenarios and participate in investigations to determine root cause and corrective actions.
- Participates in the design, selection, and implementation NetApp Storage (FAS/AFF Hardware platforms)
- Implements backup and restore, disaster recovery, storage consolidation, data protection, storage performance, etc., in accordance with the customer's requirements.

#### **NetApp Awards:**

NetApp Insight Tech Award 2016

NetApp Customer Delivery Contributor of the Month – Parkland Hospital 2019

### **The United States Department of Justice (Marshal Service) Headquarters Washington, DC Senior Virtualization/ SAN Engineer IBDIGITAL - June 2012(Part Time) / Full Time Oct 2014**

- Engineered and designed a heterogeneous storage (Dell EqualLogic PS 6510, 6010,) environment including configuration, operation and management over 500TB of Data. Storage provisioning, SAN driver installation and upgrades, performance monitoring/tuning, capacity planning and general system troubleshooting.
- Act as an escalation point, diagnose problems with existing storage infrastructure, including storage, switch configuration (Cisco 4900, Cisco 3750) and storage management device configuration
- Administer disk resources; utilize and manage Dell EqualLogic SAN HEADQUARTERS
- Engineered and configured Volume and replication partner between Network Operations Center (Active Site) and Alternate Network Operations Center
- Architected and deployed VMware 5.1 Enterprise infrastructure for multiple sites to include the creation of multiple virtual machines, high availability, DRS and Vmotion storage (Dell PowerEdge R910)
- Successfully developed engineering design evaluations and completed projects within budget and resource constraints.

### **US Defense Intelligence Agency (DIA) – Headquarters Bolling AFB, DC**

#### **Senior Virtualization Systems Engineer Geologic – ManTech - Nov 2011 – Feb 2013**

**Platform Migration Project –** Migrated physical platforms to enterprise virtual infrastructure, where the migration involved Physical-to-Virtual (P2V), Virtual-to-Virtual (V2V), and Chassis-to-Chassis (C2C) for Windows and Linux platforms. The technologies involved (VMware ESXi, VMware vCenter Converter, Novell Plate Spin Migrate, CiRBA, HPSA, Red Hat SE Linux, Microsoft Windows

- Evaluated physical servers to determine feasibility and migration options; provided expertise in support of SCOM installation, testing and QA configurations; resolved SCOM defective and reported components
- Used HPSA to manage and automate OS patches; deployed SCOM management packs and sync with existing resources; updated defective & reported rules to reduce noise and optimized systems configuration
- Utilized CiRBA and HPSA to collect server utilization statistics to right-size virtual machine after migration, build new Virtual Machines (VMs); maintained concurrent hardware and network monitoring
- Worked with
- Performed P-2-V migration of physical servers; performed P-2-V Migration restoration activities to ensure deployed VM machines were optimized for virtual environment; implemented and deployed Tier-III metrics on the availability and the performance of virtual and physical servers; performed Tier-III daily monitoring of agent health state status for critical alerts on NIPR, SIPR, JWICS and Stone Ghost;
- Built unclassified development labs to streamline pre-deployment testing and improve design development and change processes on production; oversaw the overall development of Enterprise Roadmap and monitoring; configured, administered, and maintained SCOM performance (i.e., management packs, dashboards and reports)
- Troubleshot complex WAN, LAN, VLANS to include access control lists and related Cisco Layer 2 and Layer 3 routers and switches within the lab environment; developed custom SCOM management packs to monitor specialized applications; provided oversight to infrastructure engineers in the development of user requirements and SCOM implementation; installed cumulative update 5 on SCOM 2007 R2 in compliance of 6.1.7221.81 support

**US Department of Defense – United States Army**

**Headquarters United States Army Installation Management Command Ft. Sam Houston, Texas**

**SGIS –Virtualization Systems Engineer - Apr 2011 – Nov 2011**

Provided installation and implementation support to IMCOM's New Virtual Desktop Infrastructure estimated users to support 400- 10,000 users (NIPR/SIPR). This project could be the pilot and very well set the virtualization standards for the U.S. Army.

- Implemented and maintained VMware 4 infrastructure for multiple sites to include the creation of multiple virtual machines, high availability, DRS and Vmotion storage.
- Developed processes and procedures to track and report metrics on a weekly basis to senior management for remediation of risks identified.
- Engineering, deployment support, and operational support for the enterprise storage and enterprise backup systems utilizing his expertise with systems design, systems engineering, and implementation of storage area network (SAN) solutions, enterprise storage arrays, replication solutions, enterprise backup solutions.
- Providing engineering support for the enterprise, including: NetApp Data ONTAP 7-mode, FAS3270, FAS3170, FAS3070, FAS3040, FAS2240 controllers, NetApp Snap Mirror, NetApp Data Protection Manager (DPM), NetApp Performance Advisor, NetApp Snap Manager, HP C7000 blade Chassis, Cisco Nexus 5010 Switch, VMware View/ V Center/ ESX 4i / Thin App

**US Department of Defense United States Air Force**

**Combined Aerospace Operations Center (CAOC) Doha, Qatar**

**General Dynamics Information Technology- Sr. System Administrator Lead Nov 2009– Apr 2011**

- Lead Systems Manager/Task Lead/Deputy Site Lead for all employees and core/support services for Non-Sensitive Internet Protocol Routing Network (NIPRNET), Sensitive Internet Protocol Routing Network (SIPRNET), Common SIPR Domain (CSD) and Combined Enterprise Regional Information Exchanges System (CENTRIXS).
- Analysis, design, development, testing, implementation and post production support for the Coalition Information Sharing Networks supporting the Global War on Terror (GCTF) and Multinational Coalition Force Iraq (MCFI) based on organization-wide needs-assessment. Identify critical requirements for coalition communications to meet war-fighter mission objectives. Analyze and mitigated risks associated with defined project goals to upgrade existing systems and servers into SAN (NETAPP) supported environment utilizing the latest virtual server technology (vSphere 4).
- Engineered VMware 4 infrastructure to include the creation of virtual machines, high availability, data stores DRS and ESXi hosts.
- Administered Microsoft Exchange 2010 Servers and NetBackup solutions.
- Supported and configured Dell OptiPlex Workstation images and Dell PowerEdge Servers
- Created technical support documentation and Standard Operating Procedures as reference guides for new employees.

**US Department of Defense United States Air Force**

**Network Control Center – ITT –Team Lead Network/System Admin July 2007 –Nov 2009**

**Eskan Village, Saudi Arabia**

- Sustained base network comprised of 50+ Microsoft Servers, 120+ Cisco routers and switches, and support equipment on both NIPR and SIPR networks;
- Revamped Active Directory and File Server groups, permissions, and security implementing the principle of least privilege; Engineered, documented, and implemented solution for SIPRNET KG-175B infrastructure upgrade.
- Software Used: Cisco ACS, Cisco Call Manager, Cisco Works, Cisco IOS, Microsoft Server 2003, Microsoft Server 2000, Microsoft Systems Management Server, Microsoft Active Directory, and Microsoft Exchange Server;
- Protocols and concepts worked with: Spanning Tree Protocols (STP) and enhancements; Access Control Lists (ACLs); Port Security, VLAN Trunking; Port Security.
- Performed: Preventative Maintenance Checks, software upgrades on all equipment (servers, routers, switches, KG17, Troubleshoot Routing and Switching issues, implemented Command Technical Change Orders, and continuously tuned the network to comply with network health assessments

**Skaugen Petrotrans Inc.**

**Network Administrator June 2005 - July 2007**

Houston, Texas

Manger Wilton Malone

Accomplished IT professional, as the Network Administrator, I provide total operating system and system administration support for assigned computer systems establishing tactical data link communication equipment, and troubleshooting computer system with DOS, Windows 2003 and XP software. Advise and assist installation of Local Area Network (LAN) to include troubleshooting and integration. Additionally, provides expertise on the Environmental Control Unit, tactical Internet and the local area network (LAN). Advises and instructs, in all categories of maintenance, on the proper equipment operating procedures, use of technical publications/software, and the preventative and corrective maintenance of the tactical Automated Information Systems (AIS) includes test equipment, tools, and training equipment. Observes local situations and advises and counsels on system performance to decrease down time and enhance system readiness. Confers with users, other government agencies, manufacturers, etc., to give and receive information on unsatisfactory performance, design changes, materiel changes, modification proposals, repair parts status, and maintenance techniques and procedures relative to AIS, LAN and communications systems. Provide expert technical advice, assistance, and instruction to caption on the timely resolution of maintenance and IT problems. When required, I Utilizes an extensive technical knowledge of equipment to advice and direct Skaugen procedures on a wide variety of Offshore in working, configuring of LANs, IP routing, network troubleshooting, and associated test equipment. Assist supported unit with operability, interface and troubleshooting a LAN, and sending traffic across the LAN using tactical net radios, data radios, and satellite communications systems. Monitors techniques and procedures, evaluates performance, determines future training needs, and troubleshoots problems. Advises Vendors or their representatives on such matters as status of maintenance of equipment, maintenance, and operation procedures associated with new equipment, technical analysis the cause of maintenance failure trends, and related problems based on specialized training or experience in the particular equipment. Recommends courses of action to improve operation and/or resolve deficiencies.

**Argus Connection** Argus Connection Feb 2005 – June 2005

My duties as a Network administrator for Argus Connection, were to perform, as the lead tech for an installment team, assigned to assist Temple Inland and the Guaranty Bank with a nationwide rollout of new PC's and printers for 16 of their branches in Houston and the surrounding areas.

At each branch, we installed an average of 7 Dell GX280 pc's, each with HP 1320 printers, and each connecting to an HP 3500 printer networked for all to use at each property. Inventory was done on all old and new equipment, and the local router and switch, as well as connecting network cables from 3com and Cisco switches into the patch panel to complete the network connections to each office. As the lead tech, I worked directly with branch managers and other end users to assure a smooth transition into their new work environment.