

A REQUEST FOR PROPOSAL (RFP)

SERVERS AND SAN 2015

CEDAR RAPIDS COMMUNITY

SCHOOL DISTRICT

May 12, 2015

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1 REQUEST FOR PROPOSAL- PURPOSE AND SCOPE

The purpose of this Request for Proposal (RFP) is to solicit bids on equipment, resources and maintenance support to upgrade the server and data storage infrastructure in the Cedar Rapids Community School District (The District). General information about the District can be found on the District's website at <http://www.cr.k12.ia.us>

The District has reviewed many options and conducted proof of concept trials to identify specific solutions aligned to operational needs and budgetary parameters.

The systems listed within this bid may be awarded separately and to more than one vendor, although all quantities of each item will be awarded to a single vendor. Vendors may therefore submit bids on one or more of the system options listed. Vendors should clearly identify if a bid response requires bundling of two or more of the systems listed.

The District does not desire to have alternate solutions proposed. The District, at its sole discretion may opt to reject any or all bids, and may reject any proposal for alternative solutions without comment.

Award Notification Timeline

The District anticipates notice of bid award to occur on or about Tuesday, June 23, 2015. The District anticipates equipment delivery and installation to occur within 30 days of vendor receiving purchase order. Vendor must specify in bid response if this timeline is not attainable.

2 SERVER SOLUTION FOR HUB SITES

2.1 VRTX with M630

The District is redesigning the network topology and will consolidate existing building servers into hub sites. The hub sites require a solution that includes chassis, blade servers, and shared storage. One hub site also is also configured to handle additional DR functionality.

PowerEdge VRTX Tower Chassis- 1.2TB

Anticipated QUANTITY 1

PowerEdge VRTX Chassis Configure to Order
Dell Hardware Limited Warranty Plus On Site Service Extended Year
Dell Hardware Limited Warranty Plus On Site Service Initial Year
Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 4 Year Extended
Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, Initial Year
MISSION CRITICAL PACKAGE: Enhanced Services, 5 Year ProSupport: 7x24 HW / SW Tech Support and Assistance, 5 Year
Shipping Materials, VRTX Tower Chassis with up to Two Half-Height Server Nodes (340-AAWF)
PowerEdge VRTX 10Gb Switch Module, Intel 16 ports to Ext 6 ports (4x 10Gb SFP+, 2x 1Gb RJ45) (329-BCGY)
PowerEdge VRTX Tower Configuration for 2.5 inch Hard Drives (max 25)
PowerEdge VRTX Locking Security Bezel
Chassis Management Controller Card for PowerEdge VRTX Chassis (1 of 2)
Chassis Management Controller Card for PowerEdge VRTX Chassis (2 of 2)
CMC Extended Storage Card
SD Storage for Chassis Management Controller (403-BBEQ)
PowerEdge VRTX 2.5 HDD Dual Expander for Dual Controller
PowerEdge VRTX 2.5 HD HotPlug Backplane with Dual Controller and Expander in Redundant Mode
1.2TB 10K RPM SAS 6Gbps 2.5in Hot-plug Hard Drive
PowerEdge VRTX 10GbE Switch Module, User Documentation (329-BCGZ)
DVD+/-RW, SATA, Internal
PowerEdge VRTX Redundant Power Supply, 4 x 1100W, (3+1)
Power Cord, NEMA 5-15P to C13, 15 amp, wall plug, 10 feet / 3 meter
Add-on Front and Rear Casters for PowerEdge VRTX Tower
PowerEdge VRTX Enterprise Management License Upgrade, with FlexAddress for CMC

PowerEdge VRTX Tower Chassis- 600GB

Anticipated QUANTITY 3

PowerEdge VRTX Chassis Configure to Order
Dell Hardware Limited Warranty Plus On Site Service Extended Year
Dell Hardware Limited Warranty Plus On Site Service Initial Year
Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 4 Year Extended
Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, Initial Year
MISSION CRITICAL PACKAGE: Enhanced Services, 5 Year ProSupport: 7x24 HW / SW Tech Support and Assistance, 5 Year
Shipping Materials, VRTX Tower Chassis with up to Two Half-Height Server Nodes (340-AAWF)
PowerEdge VRTX 10Gb Switch Module, Intel 16 ports to Ext 6 ports (4x 10Gb SFP+, 2x 1Gb RJ45) (329-BCGY)
PowerEdge VRTX Tower Configuration for 2.5 inch Hard Drives (max 25)
PowerEdge VRTX Locking Security Bezel
Chassis Management Controller Card for PowerEdge VRTX Chassis (1 of 2)
Chassis Management Controller Card for PowerEdge VRTX Chassis (2 of 2)
CMC Extended Storage Card
SD Storage for Chassis Management Controller (403-BBEQ)
PowerEdge VRTX 2.5 HDD Dual Expander for Dual Controller
PowerEdge VRTX 2.5 HD HotPlug Backplane with Dual Controller and Expander in Redundant Mode
600GB 10K RPM SAS 6Gbps 2.5in Hot-plug Hard Drive
PowerEdge VRTX 10GbE Switch Module, User Documentation (329-BCGZ)
DVD+/-RW, SATA, Internal
PowerEdge VRTX Redundant Power Supply, 4 x 1100W, (3+1)
Power Cord, NEMA 5-15P to C13, 15 amp, wall plug, 10 feet / 3 meter
Add-on Front and Rear Casters for PowerEdge VRTX Tower
PowerEdge VRTX Enterprise Management License Upgrade, with FlexAddress for CMC

PowerEdge M630 Blade Server (210-ACZY)

Anticipated QUANTITY 8

PowerEdge M630 Motherboard (329-BCLU)
VRTX PCIE Pass-Through Mezzanine Adapter Qty-2 (330-BBBG)
ProSupport: Next Business Day Onsite Service After Problem Diagnosis, 5 Year
ProSupport: 7x24 HW / SW Tech Support and Assistance, 5 Year
Dell Hardware Limited Warranty Plus On Site Service
Intel x520-k Dual Port 10Gb KR Blade Network Daughter Card (542-BBBO)
iDRAC8 Enterprise, integrated Dell Remote Access Controller, Enterprise (385-BBHO)
VFlash, 8GB SD Card for iDRAC Enterprise, V2 (385-BBHZ)
2.5" Backplane with up to 2 Hard Drives and PERC RAID Controller (406-BBEO)
Standard Cooling,M630 (384-BBDP)
Performance BIOS Settings (384-BBBL)
Diskless Configuration, PERC Controller (780-BBMB)
H330 Controller (405-AAED)
Intel Xeon E5-2650 v3 2.3GHz,25M Cache,9.60GT/s (2) QPI,Turbo,HT,10C/20T (105W) Max Mem
2133MHz (338-BFFF)
Upgrade to Two Intel Xeon E5-2650 v3 2.3GHz,25M Cache,9.60GT/s QPI,Turbo,HT,10C/20T (105W)
(374-BBGM)
16GB RDIMM, 2133 MT/s, Dual Rank, x4 Data Width (370-ABUG)
(128 gig) 2133MT/s RDIMMs (370-ABUF)
Performance Optimized (370-AAIP)
No Hard Drive (400-ABHL)
Internal Dual SD Module (330-BBCV)
Redundant SD Cards Enabled (385-BBCF)
8GB SD Card For IDSDM (385-BBHU)
8GB SD Card For IDSDM (385-BBHU)
OpenManage Integration for VMware vCenter,1 Server, 5Year (634-BBLP)
DIMM Blanks for System with 2 Processors (374-BBHL)
68MM Heatsink for PowerEdge M630 Processor 1 (412-AADY)
68MM Heatsink for PowerEdge M630 Processor 2 (412-AADZ)
68MM Processor Heatsink Shroud for PowerEdge M630 (750-AAFD)

3 SERVER SOLUTION FOR DATA CENTER

The District is upgrading the Data Center servers and have identified two potential solutions. Note: Only one solution, either R730 or DL380 servers will be awarded.

3.1 Alternate 1: PowerEdge R730 Server

PowerEdge R730 Server (210-ACXU)

Anticipated QUANTITY 5

PowerEdge R730/R730xd Motherboard (591-BBCH)
ProSupport: 7x24 HW / SW Tech Support and Assistance, 5 Year
ProSupport: Next Business Day Onsite Service After Problem Diagnosis,5 Year
R730/xd PCIe Riser 2, Center (330-BBCO)
R730 PCIe Riser 3, Left (330-BBCQ)
R730/xd PCIe Riser 1, Right (330-BBCR)
Intel X520 DP 10Gb DA/SFP+ Server Adapter (540-BBCT)
Intel X520 DP 10Gb DA/SFP+, + I350 DP 1Gb Ethernet, Network Daughter Card (540-BBBB)
VFlash, 8GB SD Card for iDRAC Enterprise (385-BBCB)
iDRAC8 Enterprise, integrated Dell Remote Access Controller, Enterprise (385-BBHO)
Chassis with up to 8, 3.5" Hard Drives, Software RAID (350-BBEM)
Bezel (350-BBEJ)
Performance BIOS Settings (384-BBBL)
Diskless Configuration (No RAID, No Controller) (780-BBJR)
No Controller (405-AACD)
Intel Xeon E5-2630 v3 2.4GHz,20M Cache,8.00GT/s (2) QPI,Turbo,HT,8C/16T (85W) Max Mem 1866MHz (338-BFFU)
Upgrade to Two Intel Xeon E5-2630 v3 2.4GHz,20M Cache,8.00GT/s QPI,Turbo,HT,8C/16T (85W) (374-BBHD)
16GB RDIMM, 2133 MT/s, Dual Rank, x4 Data Width (370-ABUG)
2133MT/s RDIMMs (370-ABUF) (Total: 256 gig) Performance Optimized (370-AAIP)
No Hard Drive (400-ABHL)
Electronic System Documentation and OpenManage DVD Kit, PowerEdge R730/xd (631-AAJG)
DVD ROM, SATA, INTERNAL (429-AAPU)
ReadyRails Sliding Rails With Cable Management Arm (770-BBBR)
Dual, Hot-plug, Redundant Power Supply (1+1), 750W (450-ADWS)
NEMA 5-15P to C13 Wall Plug, 125 Volt, 15 AMP, 10 Feet (3m), Power Cord, North America (450-AALV)
Internal Dual SD Module (330-BBCL)
Redundant SD Cards Enabled (385-BBCF)
8GB SD Card For IDSDM (385-BBIF) (1 of 2)
8GB SD Card For IDSDM (385-BBIF) (2 of 2)
OpenManage Integration for VMware vCenter,1 Server, 5Year(634-BBLP)
DIMM Blanks for System with 2 Processors (370-ABWE)
Standard Heatsink for PowerEdge R730/R730xd (374-BBHM)
Standard Heatsink for PowerEdge R730/R730xd (374-BBHM)

3.2 Alternate 2: HP DL380 Server

HP DL380

Anticipated QUANTITY 5

HP DL 380, 2U, GEN9 Dual E5-2630v3 8-Core 2.4GHz, 256GB Memory, 8GB SD Card ""ESXI"", DVD, Dual Power Supplies, (2) 10GB Intel 2-Port NIC's, (4) 1GB On-Board ports, 5-year NBD Support

<u>HP P/N</u>	<u>Description</u>	<u>Qty</u>
719064-B21	HP DL380 Gen9 8SFF CTO Server	5
719064-B21#ABA	U.S. - English localization	5
719050-L21	HP DL380 Gen9 E5-2630v3 FIO Kit	5
719050-B21	HP DL380 Gen9 E5-2630v3 Kit	5
726719-B21	HP 16GB 2Rx4 PC4-2133P-R Kit	80 (16 per server)
724865-B21	HP DL380 Gen9 Universal Media Bay Kit	5
726537-B21	HP 9.5mm SATA DVD-RW Jb Gen9 Kit	5
665243-B21	HP Ethernet 10Gb 2P 560FLR-SFP+ Adptr	5
665249-B21	HP Ethernet 10Gb 2P 560SFP+ Adptr	5
726116-B21	HP 8GB Micro sd EM Flash Media Kit	5
720478-B21	HP 500W FS Plat Ht Plg Pwr Supply Kit	10 (2 per server)
H7J32A5	HP 5Yr Foundation Care NBD Service	1
H7J32A5#TT3	HP ProLiant DL380 Gen9 HW Supp	5

4 SAN SOLUTION FOR DATA CENTER

Tegile T3400 Intelligent Flash Array

As specified

T3400	Tegile T3400 Intelligent Flash Array (Dual Controllers; 4 * Xeon E5-2450 per controller; 192 GB total memory; 28.75TB SSD in 2U) w/ IntelliFlash OS Software License, includes: - Intelligent caching - Block and file protocols - Inline deduplication and compression - Space efficient snapshots and clones - WAN optimized replication and data encryption	Quantity 1
ESH-25	Tegile ESH-25 Expansion Shelf; 750 GB SSD, Raw Capacity: 26 TB	Quantity 2
UPG-10CU	10Gbit Ethernet Twinax Upgrade	Quantity 2
ESH-25-KIT	ESH-25 Expansion Shelf Spares Kit - Coterminates with maintenance contract duration	Quantity 1
T3400-KIT	T3400 Dual Controller Spares Kit - Coterminates with maintenance contract duration	Quantity 1
ESH-25-5YR-NBD	5 Years Tegile ESH-25 Maintenance, NBD parts, 7 * 24 call support	Quantity 2
T3400-5YR-NBD	5 Years Tegile T3400 Maintenance, NBD parts, 7 * 24 call support	Quantity 1
OnSite-SSI	Storage Solution Implementation Services. Include travel and ancillary expenses, and account for preparatory work in support of the implementation	Quantity 1

5 RESPONDING TO CEDAR RAPIDS COMMUNITY SCHOOL DISTRICT REQUEST

5.1 Deadline for Questions

Questions with regard to the RFP maybe asked via e-mail. Questions may be submitted by e-mail to tday@cr.k12.ia.us up to 11:59 PM CST on May 20th, 2015. Responses to submitted questions will be posted on District's web site at:

<https://www.cr.k12.ia.us/departments-services/purchasing-bid-opportunities>

5.2 RFP Submission

Bids are due on or before **June 2, 2015 at 10:00 AM, CST**. Please adhere to the requested format for response. Please use the subject of **Bid: Servers and SAN RFP 2015**. Responses are to be e-mailed to bids@cr.k12.ia.us.
Can not exceed 10MB

Forms may also be submitted in person or mailed to:

Attn: Bids- *Servers and SAN RFP 2015*
Cedar Rapids Community School District
Purchasing Department
2500 Edgewood Rd NW
Cedar Rapids, IA 52405

Submission of Proposal will signify the vendor's agreement that pricing is valid for 90 days following the submission deadline.

A copy of this Request for Proposal (RFP) may be obtained from the District's web site at <https://www.cr.k12.ia.us/departments-services/purchasing-bid-opportunities> . It is the sole responsibility of the "proposer" to monitor the District website for any amendments to the RFP.

The Purchasing Department and / or Board of Education reserve the right to reject any and all offers, or any part thereof, and to waive informalities and to enter into such contract or contracts as shall be deemed in the best interest of the Cedar Rapids Community School District, in the County of Linn, State of Iowa. By virtue of statutory authority, preference will be given to products and provisions grown/produced within the State of Iowa.

5.3 ADDITIONAL Information Required

Vendor agrees to identify any special information required for a Purchase Order.

Vendor agrees to meet delivery and installation timelines or otherwise note any concerns/limitations.

Vendor agrees bid submission affirms vendor as an authorized representative of the vendor, and has read and understood all the terms and conditions and technical specifications made in this solicitation.

6 BID RESPONSE FORM

Complete appropriate selections.

Server and Storage Solution for Hub Sites	
PowerEdge VRTX Tower Chassis- 1.2TB capacity Total cost for QUANTITY 1 specs as specified	
PowerEdge VRTX Tower Chassis- 600GB capacity Total cost for QUANTITY 3 specs as specified	
PowerEdge M630 Blade Server Total cost for QUANTITY 8 specs as specified	

Server Solution for Data Center OPTION 1	
HP DL380 Gen9 Total cost for QUANTITY 5 specs as specified	

Server Solution for Data Center OPTION 2	
PowerEdge R730 Server Total cost for QUANTITY 5 specs as specified	

SAN Solution for Data Center	
Tegile T3400 Total cost as specified	

Date: _____ Company: _____

Address: _____

Submitted By: _____ Title: _____

Phone: _____ Email: _____

Contact Information if different from above:

Name: _____

Phone: _____ Fax: _____ Email: _____