

Servers & Storage Array System Upgrade – RFP Specifications

Fremont County School District #38 is seeking Requests for Proposals (RFPs) for the following:

Scope of services requested:

- 1) The School District is seeking proposals for a server and storage array infrastructure upgrade which will replace the following existing equipment used as the main server infrastructure:
 - Three (3) Dell/EMC physical servers that host a virtual server cluster of three (3) virtual VMWare hosts. We historically have been operating 15-20 virtual servers running on this platform. We currently have 13 virtual servers and 1 VMWare Console running on this hardware within this VSphere cluster.
 - Two (2) Dell aggregation switches for failover. These switches connect the three (3) physical servers to the SAN array.
 - One (1) SAN array with approximately 30 TB capacity of usable storage set up in the equivalent of RAID Level 6 redundancy. The SAN is used as attached storage for the three (3) virtual servers.
- 2) The new proposed virtual server solution will use the VMWare/VSphere virtual server platform. A multiple physical server solution to host the virtual server environment is required for the potential of hardware failover.
- 3) The new proposed networking switches solution to connect new physical servers to attached SAN will include two (2) high speed switches for failover.
- 4) The new proposed SAN array storage solution will be a minimum of 16TB of total usable storage set up in RAID (Redundant Array of Independent Disks) level 6 or 10 or equivalent redundancy level. If possible, the enclosure should have room for expansion of additional hard drives or capability to increase storage capacity in the future.
- 5) Explain in the RFP Response how the SAN storage array can address additional storage capacity if needed in the future.
- 6) The vendor will install and configure the new servers, switches, cabling, SANs and securely migrate our existing virtual servers to the new server and storage array solution infrastructure.
- 7) The vendor will also move and configure the old existing server and storage infrastructure hardware (mentioned above) to another onsite School District location and will install the old server cluster as server replication in the event of failure of the new server and storage array infrastructure.
- 8) RFPs shall include any owner training on all new hardware and software, if needed.
- 9) The vendor shall provide references for other server and storage array system installations as well as contact information of references.
- 10) The vendor must have available technical support personnel on call 24x7 (24 hours a day, 7 days a week), for the purpose of service to the system. Technical support response times shall occur within 24 hours. Onsite technical support, if requested by the school district, shall be available and occur within 24 hours.
- 11) Our School District serves about 125 staff members and 470 students. We have staff and students within the following buildings: PK-5 Elementary, Grades 6-8 Middle School, Grades 9-

12 High School, Transportation, Maintenance, Old Gym, and Administration. The High School building is 1.2 miles north of main campus. The proposed solution should account for potential growth of needed additional virtual servers and storage array space.

- 12) The District reserves the right to reject any and all bids and to waive irregularities and informalities in any bid.

RFP response shall include:

- 1) Equipment costs: physical servers, switches, SAN with hard drives, and any necessary cabling.
- 2) Additional VMWare licensing costs, if any: (1) The School District currently has a 3-year licensing subscription of VMWare Essentials Plus for the main VMWare infrastructure that expires April 21, 2024. Include any additional licensing or upgrades to our VMWare licensing, if needed, for the main VMWare server infrastructure. (2) The School District currently has a 3-year licensing subscription of VMWare Essentials Plus for the backup replication server cluster that expires April 29, 2025. Include any additional licensing or upgrades to our VMWare licensing if needed for the backup replication server cluster. If additional licensing is needed, the costs shall be included in the RFP Response and separated out by main server cluster and backup replication server cluster licensing costs. The District reserves the right to remove the VMWare licensing purchase from the RFP Response award if in the best interest of the District or if no additional VMWare licensing is needed to complete the installation of this RFP project.
- 3) Labor costs: For installation and configuration of all new servers, storage, and switches, including the migration of current virtual servers and cluster to the new server and storage array infrastructure. Include costs to move and set up our old existing servers, switches, and SAN infrastructure to another School District onsite location for server replication of the new server and storage array infrastructure in the event of failure. The proposal will also include migrating any existing non-replication virtual server host(s) and VM console(s) from the old replication server hardware to the replacement replication server and storage array infrastructure. Labor for server replication setup of all district VM virtual hosts to this backup location shall be included. Include labor costs, if any, needed to upgrade all virtual hosts and VSphere infrastructure to the latest stable version of VMWare for both the main server cluster and the backup server replication cluster.
- 4) References with contact information.

Sealed RFP responses are due by November 13, 2023 at 2:00pm. Please write “Sealed Bid – Servers & Storage Array RFP” on sealed envelope and send to:

Fremont County School District #38
Business Manager – Ralph Vinci
445 Little Wind River Bottom Road
Arapahoe, WY 82510

Technical questions should be directed to Matt Ayers, Director of Technology, at 307-856-9333 at Ext 1200 or by email at matthew.ayers@fremont38.com.

Fremont County School District #38 reserves the right to accept or reject any or all proposals received in response to this RFP, to waive formalities, and to select the proposal deemed most advantageous to the School District in light of the RFP.

RFP responses evaluation rubric criteria and points available out of 100 total points are as follows:

Evaluation Rubric	Points Available
Cost Effectiveness of the proposed servers and storage array system	50
Prior experience with the vendor and references	30
Demonstrated completion of similar type and size servers and storage array projects	20
Total	100