

vSAN solution  
Lawrence Green  
Bristol School District  
20121-83rd Street  
Bristol, WI 53104  
Tuesday, February 11th 2020

## Narrative

Bristol School District provides educational services for roughly 900 students grades 4K through 8th. In an effort to provide our students and staff with a reliable and robust network environment we are seeking bids to upgrade our server. We currently have a centralized topology and would like to upgrade to a ring vSAN topology to ensure data redundancy and mitigate network latency due to high traffic.

## Current Network Topology

Network Topology: Centralized vLAN

Current Backup Methodology: Buffalo near side storage.

Offsite backup: Cloud based or equivalent

## Desired Network Topology

Network Topology: Ring vLAN

Backup Method: Onsite Nearside

Offsite Backup: Virtual/cloud based

## Scope of work:

### Equipment

Bristol School is seeking bids for new servers with the following specifications:

- 2 Octa core 2.10 GHz or faster Processor (1 Per server)
- 10 16 GB DDR4 SDRAM total of 80GB or more (5 Per Server)
- 12GB/s SAS controller
- 2 600 GB Hard Drive SAS 10000 RPM or greater (per server)
- 12 900 GB Hard Drive SAS 15000 RPM or greater (6 per server)
- Dual processor support
- 2 Media Kits (1 per server)
- 16 MB graphics card
- Power supplies and cordage
- 2 10 GB 4 port PCI Express networking cards (1 per server)
- 2 10 GB 2 port PCI Express Networking Cards (1 per server)
- All necessary cabling (patch cables etc)
- Any Necessary Cable management systems.

## Vendor will need to provide:

- Server Build:
  - Physical build of the server
  - Physical install of the server
  - Firmware update
- vSAN build:
  - Physical build of vSan
  - Installation of vSan
  - Firmware update
- Server Installation will include/configuration will include
  - Installation of MS Server 2019
  - Client specific applications
  - Application migration
  - Workstation access configuration (machine CALS)
  - Solution testing to ensure functionality
- Support of AD restructure
  - Printer GPO creation
  - Application GPO creation
  - Group Membership assessment/creation
  - H- share creation and deployment
  - No roving profiles
- Creation and deployment of necessary VM's
  - DC1
  - DC2
  - FS1
  - HVAC
  - Access control systems such as Lenel Onguard.
- Deploy a VPN for staff offsite access

## Additional bid requirements:

All bids should include separate bid for the following E-rateable equipment and services:

- Appropriate support/RMIT hours
  - 1 year contract
  - 3 year contract
- Any backbone or iSCSI switches

## Bid Eligibility:

In order to be considered a responsible bid vendors should meet the following requirements:

- Bids must be received by Monday, June 8th.
- Bids must be sealed
- Vendors should provide a network road map of the current network.
- Vendors should provide a proposed network road map. (if different from current)
- Proposed 5 year maintenance cycle.
- Bids need to contain a clear SOW
- Bids must include a signature ready contract.

## Additional conditions for consideration:

- Bristol School is holding a walk through of its facilities for interested vendors on Thursday, May 28th at 8:00 AM. **Vendors must RSVP with the main contact person.** It is recommended that interested vendors attend this walk through as it is a component of the responsible bid score.
- Sealed bids must be received by 3:30 PM Monday, June 8th 2020
- Applicants that work with Erate to defray RMIT cost to Bristol are welcomed and encouraged to bid.

## Additional information:

- Bristol School District currently has 3 IDF closets with Cisco Meraki Switches of various port counts. We would like to see a more efficient use of these Cisco Meraki Switches if possible so as to repurpose freed up switches as iSCSI.
- Our singular MDF houses a Server with MS Server 2016.
- Currently only one closet has proper racking.
- The start date for this project is contingent on the completion of proper racking being installed and closet cleanup project which falls outside the Scope of Work (SOW) of this RFP. Bids do not need to include proposals for racking of existing equipment/appliances.
- [Directions](#)

### **Sealed Bids can be submitted by mail to:**

Bristol School District Office 20121 83rd St.  
Bristol, WI 53104  
ATTN: Bid Opening May 20, 2020 at 1 PM  
Name of Bidder

**Sealed bids can also be dropped off in the District Office up to 4:00 p.m. on Monday, June 8th, 2020**

**Sealed Bids will be opened at 1:00 p.m. Tuesday June 9th, 2020 in the District Office. The winning bid will be presented to the Bristol Board of Education for approval**

**The Board of Education reserves the right to:**

- Reject any or all bids without assigning any reason therefore;
- Be the sole judge of equivalency;
- Waive any bid requirement in accepting or rejecting bids. All inquiries should be directed to the main contact for this project:

**Main Contact for this project:**

Lawrence A Green

Bristol School Network Administrator

[green.lawr@bristol.k12.wi.us](mailto:green.lawr@bristol.k12.wi.us)

262-857-7052 ext 1602