

ADDENDUM #2- Responses to Requests for Information

Posting Date 02/12/2024

Invitation to Bid or Request for Proposals #1854-24 Server SAN Solution

Note: If similar questions were received by multiple parties, questions were combined to form one question representing intent and answered below. In most instances, questions retain wording verbatim, so grammatical and other errors are not on behalf of EHPS.

1. How do we go about being added to your vendor/bidder list for future needs?
 - a. We do not keep a vendor/bidder list. All RFPs are posted on our website.
2. Can you please send us a copy of this pending IT/TELCOM/A-V RELATED BID, or is there a web link you can provide?
 - a. You can visit our website at easthartford.org and search for the word “proposals”
3. Also, what about smaller non-bid items (p-card type purchases, refurbished parts, hard to find items, end of life band-aids, etc)?
 - a. This RFP is for SAN storage
4. Does that go through the IT folks directly, or, does it funnel back around to the Procurement side???
 - a. IT is responsible for purchasing all IT equipment
5. Is replication required between buildings? If yes, Synchronous or Asynchronous?
 - a. In our current solution, the SAN is not responsible for replicating any data.
6. What is the distance between buildings?
 - a. 2.9 driving miles
7. Are the servers connecting to the storage via a switch? Will you be using existing switches or are switches required?
 - a. Currently, the switches are new, and we plan to continue to use them if we purchase a SAN separate from the servers
8. Please confirm 10Gb (optical) is SFP+ or 10GBaseT(Copper).
 - a. 10 Gbps optical or Direct Attach Copper (DAC)
9. Are there any performance requirements? If yes, can you please provide IOPS, Blksize, throughput requirements.
 - a. Current SAN has been a pain point for us. It has underperformed for us in certain situations. If we boot up a lot of VMs at once, the demand slows everything down. We must boot VMs a few at a time to let everything boot up. Performance is important. We want to take a future-proof approach and allow for growth.
10. Are the datacenters configured for low line or high line power,,,ie 125V, 250v?
 - a. Equipment should be 110 to 120v AC
11. Can you please expand on what is meant by “Cloud Services”.

- a.** Cloud services refers to any option with cloud-based offerings. We are open to all proposals, and vendors can submit more than one proposal.
- 12. Hybrid or NVME?
 - a.** We are open to all proposals, and vendors can submit more than one proposal.
- 13. Capacity 50tb usable before data reduction?
 - a.** Yes, 50TB before deduplication.
- 14. Ray based replication?
 - a.** We are open to all proposals, and vendors can submit more than one proposal.
- 15. Will you use the existing switches, or are switches required in this RFP?
 - a.** We will use existing switches.
- 16. What types of transceivers are preferred: Fiber optic, Direct Attach Cable/TwinAX or
 - a.** Fiber or DAC is fine, we have no preference.
- 17. Are the data centers configured for 120V, b208V, or DC?
 - a.** 120v.
- 18. For storage, would you like the highest performance or higher density?
 - a.** Increasing storage density of a medium typically improves the transfer speed at which the medium can operate. That said, performance is our main goal.
- 19. Would you like the storage array to have automatic deduplication and compression?
 - a.** Yes
- 20. Would a higher line rate (25/40/100 gbps) be preferable to bonding 4x10GB (QSPF)?
 - a.** Our current switch configuration allows for 10Gbps ports, but we may be able to free up two 40Gbps QSFP+ ports if necessary or add four additional 25Gbps SFP28 ports with an add-on.
- 21. What was the basis of the disk space calculations for SAN storage?
 - a.** Our current hardware was used as the minimum required specs.
- 22. Testing – can we run LiveOptics to get performance and loading parameters?
 - a.** We are not providing any sensitive information prior to the interview process. The interviews are the best time for those questions.