

# RFP for Host Servers & SAN

## Summary

McCracken County Fiscal Court is upgrading the server hardware infrastructure. The current server infrastructure has reached the intended lifecycle. The infrastructure will be modernized with two server host and SAN configuration. This bid is for server hardware only and will not include any software or service.

## Hardware for Refresh

In the bid for this project shall include two (2) Dell PowerEdge R550 Rack Server and one (1) Dell EMC ME5024 Storage Array.

## Detailed Hardware Specifications

- **Two (2) Dell PowerEdge R550 Rack Servers**
  - Trusted Platform Module 2.0 V3
  - 2.5" Chassis with up to 16 Hot Plug Hard Drives (2 CPU)
  - 2 x Intel® Xeon® Gold 5317 3G, 12C/24T, 11.2GT/s, 18M Cache, Turbo, HT (150W) DDR4-2933
  - Memory: 16 x 16GB RDIMM, 3200MT/s, Dual Rank, \*\* Total 256GB \*\*
  - Drives:
    - (1) x 480GB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive (Must ship with primary drive)
    - (2) x M.2 480GB with BOSS-S2 controller card in RAID 1, Hot-Plug (Host OS Drives)
  - Front PERC H755 Rear Load
  - Dual, Hot-Plug, Power Supply Fully Redundant (1+1), 1100W MM Titanium
  - iDRAC9, Enterprise 15G
  - Broadcom 5720 Quad Port 1GbE BASE-T Adapter, OCP NIC 3.0
  - 2 x Broadcom 57416 Dual Port 10GbE BASE-T Adapter, PCIe Low Profile
  - PowerEdge 2U Standard Bezel
  - ReadyRails™ Static Rails for 2/4-post Racks
  - ProSupport 4Hr Mission Critical: 7x24 HW/SW Technical Support and Assistance, and onsite service - 7 Years
- **One (1) SAN Hardware Specs**
  - 10Gb iSCSI BaseT 8 Port Dual Controller
  - 2U Static Rails for 2-Post and 4-Post Racks
  - ME Series 2U Bezel
  - Power Supply, 580W, Redundant
  - 14 x 7.68TB SSD SAS ISE Read Intensive 24Gbps 512e 2.5in Hot-Plug AG Drive (76.8TB Total size in RAID 6 + 2 x Global Hot Spare)
  - Power Cord - C13 to NEMA 5-15, 15 AMP, 10 Feet Power Cord, Qty 2
  - ProSupport 4Hr Mission Critical: 7x24 HW/SW Technical Support and Assistance, and onsite service - 7 Years
  - ProDeploy Dell EMC Storage ME 5xxx 2U

**Bid Information**

1. The McCracken County Fiscal Court reserves the right to accept or reject any or all bids or part thereof, to accept one or more items of a bid without obligation as to other items, and to waive any informalities or irregularities.
2. All bids remain good for fourteen (14) days after the Bid Due Date.
3. All bids must contain this form bearing the signature of an authorized officer or representative of the Bidder to be considered valid.
4. Bids are to be submitted sealed by 11:00 AM. Tuesday, October 3, 2023. Sealed bids must be submitted to the McCracken County Judge Executives Office located at:

McCracken County Courthouse  
McCracken County Judge Executives Office  
300 Clarence Gaines Street  
Paducah, KY 42003

**Bidder Contact Information**

Company Name: \_\_\_\_\_

Company Address: \_\_\_\_\_

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

Contact Person: Name: \_\_\_\_\_

\_\_\_\_\_

BIDDER SIGNATURE

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BY

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TITLE

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Date

**ATTACH A COMPLETE PRICING SHEET FOR THE  
EQUIPMENT SPECIFIED ABOVE**

**ATTACH ANY OTHER RELEVANT INFORMATION**