

ADDENDUM NO. 4
VILLAGE OF LINCOLNWOOD

REQUEST FOR PROPOSALS
STORAGE AREA NETWORK UPGRADE PROJECT

TO ALL PROPOSERS:

Attention of all proposers is called to the following revisions to the Request for Proposals for the Storage Area Network (SAN) Upgrade Project for the Village of Lincolnwood. The information given in this Addendum shall be taken into account by each prospective proposer in the preparation of its Proposal.

Receipt of this Addendum must be acknowledged in the proposer's proposal, and a copy of this Addendum shall be included with the proposal.

QUESTIONS AND ANSWERS

The Association received the following question regarding the RFP, the answer to which is provided to all Bidders with this Addendum.

Question: *Do you already have 10GbE in the current hosts?*

Answer: No. At this point the Village does not have 10GbE in the current hosts. When the village upgrades its current hardware, 10 GbE will be included.

Question: *Do you need additional adapters and cables for them?*

Answer: The Village does not require additional adapters or cables.

Question: *If so are there slots available? Will you procure / install them?*

Answer: N/A

Question: *What will the connection from the SAN switches to the Core switches be?*

Answer: The current connection from the SAN switches to the core switches is GbE base T.

Question: *Will the SAN switches be racked near the SAN or will we need long DAC cables or fiber to connect?*

Answer: The SAN switches will be racked within 10 ft of the SAN

Question: *Is your SAN part of their backup solution?*

Answer: The current SAN is not part of the Village's backup solution.

Question: *Not clear on II.2.a.xx. It must be able to backup and restore all Microsoft Windows Server operating system versions from 2003 forward; are you talking about access to the management interface or access to data shares? II.2.a.xvii*

Answer: The Village still uses Windows 2003 on some of its servers and requires a solution which can access and migrate data from Windows 2003 data shares.

Question: *Access to the SAN be configured to use Active Directory?*

Answer: The Village would prefer Integration with Active Directory for management access.

Question: *Data Migration: What file type is the data and the amount of each type?*

Answer: Please refer to the Lincolnwood SAN Cluster and Hosts Appendix for a list of arrays and associated data.

Question: *Training: How many people are going to be trained to manage? Is the training going to be in person or an online public class portal?*

Answer: Training should be for 2-3 people and can be done via remote session or onsite

Question: *Timeline: Propose timeline is generally based on customer's schedule, are you interested in a general possible timeline or is the criteria need to be exact?*

Answer: A general timeline would be considered, but the project must be completed by April 30, 2019.

Question: *Are new top of rack SAN switches in scope for this RFP? The current 2824 switches do not support the 10GB SFP+ connection you are requesting.*

Answer: New top of rack switches are not required. Connectivity for all hardware should be 10Gbe Base T

Question: *If new switches are being purchased outside this RFP, please provide the model so I can assure compatibility.*

Answer: N/A

Question: *Thank you for the link to the RFP, I would like to see if I can get a copy of any questions that may have been sent to you that were answered about the RFP process. The date in the RFP says:*

Final Vendor Selection February 1, 2019. I think this should be March 1st.

Answer: Final Vendor Selection is March 1st.

Question: *Are you set on a specific partner such as Dell, or would you be open to a different one - HPE, TEGILE, etc.*

Answer: The Village is open to any partner which offers an enterprise grade solution.

DATED this 30th day of January, 2019.

VILLAGE OF LINCOLNWOOD

By: /s/ Charles Meyer 
Assistant Village Manager

Lincolnwood Village Hall Cluster and Hosts

| Hosts | Virtual Machines | Clusters | Networks | Datastores | Storage Capacity | Used Space | Free Space | Memory Allocation | Mem use | Mem Free |
|---------------|------------------|----------|-------------------------|----------------|-------------------|-------------------|------------------|-------------------|-----------|-----------|
| | 3 | 32 | 1 | 3 | 8 27.44 TB | 16.84 TB | 10.6 TB | 400 GB | 241.81 GB | 158.05 GB |
| Name | State | Status | Cluster | Consumed CPU % | Consumed Memory % | HA State | Memory Size (MB) | CPUs | NICs | Version |
| 172.18.100.17 | Connected | Normal | Village Hall HA Cluster | 10 | 51 | Connected (Slave) | 131,026.47 MB | 2 | 10 | 6.7.0 |
| 172.18.100.18 | Connected | Normal | Village Hall HA Cluster | 20 | 76 | Connected (Slave) | 131,026.47 MB | 2 | 10 | 6.7.0 |
| 172.18.100.19 | Connected | Normal | Village Hall HA Cluster | 20 | 53 | Running (Master) | 147,410.47 MB | 2 | 10 | 6.7.0 |

| Lincolnwood Village Hall Data Stores | Name | Cluster | Consumed CPU % | Consumed Memory | Memory Size (MB) | CPUs | NICs | Storage Capacity | Used Space | Free Space |
|--------------------------------------|---------------|-----------------------|----------------|-----------------|------------------|------|------|------------------|------------|------------|
| Local_array1 | 172.18.100.19 | Village Hall HA Clust | 26 | 53 | 147,410.47 MB | 2 | 10 | 925.5 GB | 3.92 GB | 921.58 GB |
| Local_array2 | 172.18.100.17 | Village Hall HA Clust | 11 | 51 | 131,026.47 MB | 2 | 10 | 925.5 GB | 6.35 GB | 919.15 GB |
| Local_array3 | 172.18.100.18 | Village Hall HA Clust | 17 | 76 | 131,026.47 MB | 2 | 10 | 1.8 TB | 1.24 TB | 572.84 GB |
| Local_Non-Redundant | 172.18.100.19 | Village Hall HA Clust | 25 | 53 | 147,410.47 MB | 2 | 10 | 7.28 TB | 5.06 TB | 2.22 TB |
| Local_SSD | 172.18.100.18 | Village Hall HA Clust | 19 | 76 | 131,026.47 MB | 2 | 10 | 131 GB | 973 MB | 130.05 GB |
| san_array_1 | 172.18.100.17 | Village Hall HA Clust | 11 | 51 | 131,026.47 MB | 2 | 10 | 8.18 TB | 6.68 TB | 1.51 TB |
| | 172.18.100.18 | Village Hall HA Clust | 20 | 76 | 131,026.47 MB | 2 | 10 | 8.18 TB | 6.68 TB | 1.51 TB |
| | 172.18.100.19 | Village Hall HA Clust | 25 | 53 | 147,410.47 MB | 2 | 10 | 8.18 TB | 6.68 TB | 1.51 TB |
| san_array_2 | 172.18.100.17 | Village Hall HA Clust | 11 | 51 | 131,026.47 MB | 2 | 10 | 8.18 TB | 3.82 TB | 4.37 TB |
| | 172.18.100.18 | Village Hall HA Clust | 21 | 76 | 131,026.47 MB | 2 | 10 | 8.18 TB | 3.82 TB | 4.37 TB |
| | 172.18.100.19 | Village Hall HA Clust | 18 | 53 | 147,410.47 MB | 2 | 10 | 8.18 TB | 3.82 TB | 4.37 TB |
| VeeamBackup_Server | 172.18.100.19 | Village Hall HA Clust | 29 | 53 | 147,410.47 MB | 2 | 10 | 59.48 GB | 35.8 GB | 23.68 GB |

| Name | State | Status | Provisioned Space | Used Space | Host CPU | Host Mem |
|------------|------------|--------|-------------------|------------|----------|----------|
| SERVERDC1 | Powered On | Normal | 448.2 GB | 407.33 GB | 75 MHz | 8.07 GB |
| SERVERFS2 | Powered On | Normal | 1.54 TB | 1.24 TB | 25 MHz | 4.06 GB |
| SERVERSPT2 | Powered On | Normal | 1.63 TB | 910.6 GB | 250 MHz | 8.09 GB |

| Name | State | Status | Provisioned Space | Used Space | Host CPU | Host Mem |
|---------------|------------|--------|-------------------|------------|----------|----------|
| LFD2a | Powered On | Normal | 404.13 GB | 207.41 GB | 75 MHz | 4.06 GB |
| SERVER2 | Powered On | Normal | 70.36 GB | 70.36 GB | 75 MHz | 2.04 GB |
| SERVERDC1 | Powered On | Normal | 448.2 GB | 407.33 GB | 100 MHz | 8.07 GB |
| SERVERFS1 | Powered On | Normal | 2.2 TB | 1.8 TB | 125 MHz | 8.07 GB |
| SERVERGISSEC | Powered On | Normal | 370.6 GB | 362.25 GB | 75 MHz | 4.06 GB |
| SERVERINV | Powered On | Normal | 204.13 GB | 87.8 GB | 175 MHz | 4.04 GB |
| SERVERIT1 | Powered On | Normal | 366.34 GB | 224.57 GB | 125 MHz | 4.05 GB |
| ServerLF | Powered On | Normal | 6.21 TB | 2.37 TB | 2.83 GHz | 16.11 GB |
| SERVERPHONEA | Powered On | Normal | 208.13 GB | 46.38 GB | 125 MHz | 8 GB |
| ServerPRT | Powered On | Normal | 104.12 GB | 48.24 GB | 400 MHz | 4.05 GB |
| SERVERPRTG1 | Powered On | Normal | 230.29 GB | 43.19 GB | 50 MHz | 5.64 GB |
| SERVERSBROOK2 | Powered On | Normal | 699.24 GB | 299.26 GB | 775 MHz | 31.34 GB |
| SERVERSPT2 | Powered On | Normal | 1.63 TB | 910.6 GB | 475 MHz | 8.09 GB |

| Name | State | Status | Provisioned Space | Used Space | Host CPU | Host Mem |
|---------------------------|-------------|--------|-------------------|------------|----------|----------|
| DeploymentTest | Powered Off | Normal | 84.21 GB | 35.35 GB | 0 Hz | 0 B |
| Kantech Platform | Powered On | Normal | 124.16 GB | 44.78 GB | 875 MHz | 4.06 GB |
| LINCOLNWOODNCC2 | Powered On | Normal | 660.55 GB | 100.59 GB | 100 MHz | 8.06 GB |
| LWD-VIRTUALWIN7.lwd.local | Powered On | Normal | 298.12 GB | 94.83 GB | 1.33 GHz | 8.06 GB |
| LWD_Win7x64 | Powered Off | Normal | 68.22 GB | 34.85 GB | 0 Hz | 0 B |
| SERVER1 | Powered On | Normal | 602.13 GB | 312.33 GB | 50 MHz | 2.05 GB |
| SERVERAV2 | Powered On | Normal | 408.13 GB | 57.95 GB | 50 MHz | 8.07 GB |
| SERVERAV3 | Powered On | Normal | 258.11 GB | 22.47 GB | 50 MHz | 7.1 GB |
| SERVERCLONEZILLA | Powered On | Normal | 104.11 GB | 104.11 GB | 25 MHz | 4.05 GB |
| SERVERDC2 | Powered On | Normal | 208.2 GB | 24.64 GB | 75 MHz | 7.96 GB |
| SERVEREXCH2 | Powered On | Normal | 3.22 TB | 1.87 TB | 1.4 GHz | 16.1 GB |
| SERVERFLT | Powered On | Normal | 204.13 GB | 20.16 GB | 50 MHz | 3.84 GB |
| SERVERFS2 | Powered On | Normal | 1.54 TB | 1.24 TB | 25 MHz | 4.06 GB |
| SERVERGHST | Powered On | Normal | 139.66 GB | 139.66 GB | 125 MHz | 4.05 GB |
| ServerLF | Powered On | Normal | 6.21 TB | 2.37 TB | 2.93 GHz | 16.11 GB |
| SERVERMON | Powered On | Normal | 204.12 GB | 200.07 GB | 450 MHz | 4.06 GB |
| SERVERPRTG1 | Powered On | Normal | 230.29 GB | 43.19 GB | 50 MHz | 5.64 GB |
| SERVERSYSLOG | Powered On | Normal | 304.13 GB | 113.83 GB | 75 MHz | 4.06 GB |
| ServerVC | Powered On | Normal | 133.12 GB | 37.67 GB | 75 MHz | 7.98 GB |
| SERVERWSUS | Powered On | Normal | 158.11 GB | 158.11 GB | 300 MHz | 8.06 GB |
| VCenter-VH | Powered On | Normal | 1,022.95 GB | 67.16 GB | 325 MHz | 24.01 GB |