

QUESTIONS AND ANSWERS
REQUESTS FOR PROPOSAL/ CONTRACT #2072
Metropolitan Area Cluster

Questions about the RFP should be directed to Robert Sigan, Director of Information Technology, via email at rsigan@vernon-ct.gov only, **no later than December 18, 2020**. **Answers** to questions will be **posted by January 4, 2021** on the Town and CT DAS websites referencing Contract # 2072.

	QUESTIONS	ANSWERS
1.	How many total Virtual Machines are in the existing environment?	140
2.	What version of VMware software is installed today? i.e. 6.5, 6.7. Please list both vCenter version and ESXi versions.	6.7 ESXi version
3.	Is vCenter installed in Windows or is the vCenter Server Appliance being utilized?	VCenter server appliance
4.	Is an embedded PSC being used or is it external?	An embedded controller
5.	What version of Veeam is installed?	9.5
6.	How many Veeam Proxy servers are deployed in the environment?	3
7.	What method of connectivity is being used in the existing storage fabric? i.e. Fiber Channel, iSCSI, NFS, etc.	iSCSI
8.	What vendor and model is being used as a Core Switch in each site?	HP 5400 series
9.	What software version is installed on the Core Switch?	k.15.30
10	What ports for up-linking the requested Aruba 3810M switches are available in the Core Switches? What distance cables will be needed for up-linking to the existing core switches?	10gig 10ft
11	Is there adequate 1Gb RJ45 ports available in the environment for connecting the out of band management of the requested new equipment or should we be including 1Gb switches for that purpose?	There are enough ports available

12	Is there adequate room at both sites in order to install the new racks and hardware with the existing solution in place?	yes
13	Was a Lanamark or similar infrastructure collection tool used in order to size your requested system? If so, can you please share that report? If not, please answer the following in lieu of the report (listed below)	Yes No, we will not publish
14	Current Processor quantities, model, type, speed, and core count	Specifications for the equipment was provided in the RFP
15	Total number of existing virtual machines and VCPUs?	Specifications for the equipment was provided in the RFP
16	Current size of primary and backup storage capacities (Utilized and Free)	Specifications for the equipment was provided in the RFP
17	Current Processor, Memory, and Storage utilization per vm guest	Specifications for the equipment was provided in the RFP
18	Current IOPs at the 95th percentile?	Specifications for the equipment was provided in the RFP
19	How is your 100TB of useable storage configured today? Raid settings?	Raid 6 and Raid 5
20	What is your historical annual growth for Storage, Compute, and Memory?	2% -5% does not include expansion
21	Is there any other equipment that maybe in the rack besides what is included in our proposal that may affect the 20-minute run time of the UPS?	no
22	Can you share your historic dedup and compression ratios that you were getting with the 3Par?	no
23	Do you currently use VEEAMone?	no
24	What version and License level is VEEAM at?	9.5
25	Current number of back up jobs, their types, and schedules	Currently there are 21 jobs which run 10ft nightly.

26	What is the current Version of Vmware and Vcenter?	6.7																					
27	Do you require racks to be fully enclosed and ability to lock and secure?	No																					
28	How many SFP+ transceivers per switch (2 switches) are needed?	<table border="1"> <thead> <tr> <th>qty</th> <th>PART NUMBER</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>J9150D</td> <td>Aruba 10G SFP+ LC SR 300m MMF XCVR</td> </tr> <tr> <td>1</td> <td>J9578A</td> <td>Aruba 3800/3810M 0.5m Stacking Cable</td> </tr> <tr> <td>1</td> <td>JL083A</td> <td>Aruba 3810M/2930M 4SFP+ MACsec Module</td> </tr> <tr> <td>1</td> <td>JL084A</td> <td>Aruba 3810M 4-port Stacking Module</td> </tr> <tr> <td>2</td> <td>JL085A</td> <td>Aruba X371 12VDC 250W PS</td> </tr> <tr> <td>2</td> <td>JL085A B2B</td> <td>Aruba X371 12VDC 250W PS ImpCbl-NA/JP/TW</td> </tr> </tbody> </table> <p>Total of 4 switches two per site</p>	qty	PART NUMBER	Description	12	J9150D	Aruba 10G SFP+ LC SR 300m MMF XCVR	1	J9578A	Aruba 3800/3810M 0.5m Stacking Cable	1	JL083A	Aruba 3810M/2930M 4SFP+ MACsec Module	1	JL084A	Aruba 3810M 4-port Stacking Module	2	JL085A	Aruba X371 12VDC 250W PS	2	JL085A B2B	Aruba X371 12VDC 250W PS ImpCbl-NA/JP/TW
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29	Between the Annex and VPD (assuming the locations will stay the same as the current hardware) there is a 2ms or less latency and has 10GbE or better infrastructure?	Yes																					
30	Between the annex/vpd and the quorum witness site there is a 50ms or less latency?	Yes																					
31	Do we need to quote Windows OS for the Arbiter or will Town of Vernon provide?	Town will provide																					
32	Since a windows license is needed for the arbiter server... can we increase the license count to cover a virtual machine as well? We will need to build out a virtual management server unless we plan on using the arbiter server to do the deployment as well.	Yes, we can build a VM or use the arbiter. This is your decision																					
33	What is the make and model of your Core Switches that Simplivity rack will connect to?	HP 5406																					
34	Is there a rack at Arbiter location or is tower preferred as you specked in RFP?	Yes																					

35	Will we tie in the existing Veeam Environment and allow access to the StoreOnce to perform secondary backups of virtual machines outside of the SimpliVity backup environment?	Yes, Veeam will be used. Will use VDMK to restore. StoreOnce not part of the environment.
36	Will the Town of Vernon accept other Hyper-converged Infrastructure (HCI) software on HPE Hardware that meet the RFP specifications?	No
37	Is there a need for additional growth to be included in the solution and if so, what is the yearly growth factor to be used?	2 – 5 percent and the current RFP specs covers that
38	Is there a need for the HCI solution to natively support Files services (supporting SMB 2.0/2.1/3.0 and NFS 3.0/4.0) with the ability to scale-out the nodes to support increases in IO requirements?	No
39	Is there a need for the HCI solution to natively support Object storage services (supporting S3) with the ability to scale-out the nodes to support increases in IO requirements?	No, but the ability to replicate backups to the cloud for backups is required
40	Will the proposed solution need offer a native backup solution that extends to AWS/Azure public clouds?	No
41	Will the proposed solution need to support non-identical server models and configurations in the same cluster?	Yes
42	Will the proposed solution need to support automated upgrades of operating systems, feature sets, BIOS, and hardware firmware utilities?	Yes, the solution/systems should support SimpliVity one click upgrades.

END OF QUESTIONS