| **Question** | **Answer** |
| --- | --- |
|  | **Nightly backup size?** | MJC: 3.4 TBJDst4 (Hennepin): 338 GBJDst5 (Ramsey): 216 GB |
|  | **Weekly full backup size?** | MJC 12 TBJDst4 (Hennepin): 4.1 TBJDst2 (Ramsey) 2.6TB |
|  | **Backup retention in weeks?** | MJC: 4 weeksJDst4 (Hennepin): 2 weeksJDst2 (Ramsey): 4 weeks |
|  | **Disk and tape systems in use today?** | NetApp Virtual Tape Library (VTL700); HP Tape Solution (MSL4048 tape library) with three LTO 5 tape drives; and CommVault Simpana backup software V. 8JDst2 and JDst4: use Avamar solution |
|  | **Do you prefer to keep the CommVault backup software to support the new backup solution?** | No |
|  | **What is the desired long-term retention?** | 4 Weeks, (answered above q3.) |
|  | **Can you provide a breakout of the "Full Backup" for the below data sets and their growth rates per year*** **Microsoft Exchange Server**
* **Microsoft SharePoint version**
* **Microsoft Hyper-V Virtual Server**
* **Microsoft Windows Server**
* **Sophos anti-virus software;**
* **Microsoft SQL Server**
* **Citrix XenServer**
 | 10% Growth year* Mailbox 620 GB, DataBase 530 GB
* 2010, going to 2013, 520 GB
* We do not separate this backup data.
* 4.445 TB
* Version 10.2
* 3.3 TB
* 100 GB
 |
|  | **Does the solution include any additional growth capacity from the initial setup?** | 30% |
|  | What kind of information will satisfy the requirement for Financial Stability as stated under section IV Submission Requirements, paragraph: A.5 Financial Stability? | As the RFP states in section A.5 page 5 and A.6 page 6, vendors need to decide for themselves what document constitute financial stability. |
|  | In paragraph II.C. – Project Background – Current backup software is CommVault Galaxy V9. Do you mean CommVault Simpana V9? | CommVault Simpana V8 SP6 |
|  | It was mentioned that branch offices will be backed up to MJC.  Is MJC then to be replicated to St. Cloud? | The branch offices or districts will backup directly to DR site in St. Paul.MJC will backup to an appliance then replicate to DR site.See Appendix “A” in the RFP. |
|  | You said you are not planning to keep the CommVault software. Are you planning to keep Avamar at Hennepin and the districts? | Open to Commvault or another solution and/or replacing Avamar. |
|  | XenServer – need to back up directly?  | Moving off of this, so this is not an issue |
|  | You mentioned that each district should have ability to back up their own environment – can each district use their own software solution? | Same solution, but be able to manage it independently |
|  | 4 weeks retention – Do you want the solution sized just for 4 week retention? | Yes |
|  | Answers to questions – Thursday April 4th or 5th? Page 10 says Thursday April 5th – Thursday is the 4th | They will be available by Thursday April 4th. |
|  | Are there any additional assets that we are looking to leverage or is this a net new solution?  | Net New solution |
|  | On the Visio diagram Appendix “A” you show local storage devices at the St Paul location – do they need to be included in the solution or are they already in place? | They need to be included in the solution |
|  | What is the latency between WAN links between sites in general? | Most are less than 10ms |
|  | Mention capacity of 96 TB at MJC – what is the nature of the storage (archived, active, etc.) | Not archived – that is active data includes the 4 week back up |
|  | 3 distinct entities backing up – What is the size of weekly full back up for each of 3 identified sites, and daily back up for each of the 3. (8 judicial districts, district 2 & 4, and MJC) | **Location Weekly Daily****MJC** 12TB 3.4TB**4th District** 4.1TB 338GB**2th District** 2.6 TB 216GB**8 Judicial sites** Sum the 8 district, divide by 4 for weekly. Divide that number by 25% for incremental to get an average. |
|  | Section III, A, page 3 – You state that The MJC and JD2 and JD4 will perform backups over their LANs. Are all three on a single LAN? Can they be treated as a single entity for the purposes of back-up? | No |
|  | Section IX, A, page 11 – The chart listing capacities. Are these total storage capacities for each site or is it the total amount of stored backup data based on your backup scheme? | Total stored full backup data |
|  | What is the total storage capacity for each site listed? Or what is the size of one full backup and an average incremental backup for each site? This will help in the sizing of the appliances. | Full size back is provided for each site from the chart. Also look at question/answer to question 31 above. |
|  | * Section IX, A, page 11 – What are the actual WAN pipe sizes for each site
* What are the most common data types?  What type of data uses the most space?
* JD10, Anoka, is listed at 7TB (chart on page 11). That would make it the second largest JD. Why would you not want to put a local device here?  Is the network bandwidth sufficient?
 | * 100 MB
* SQL Server and Exchange
* Vendor could propose two options one with a local device and another without – showing cost breakdown for each.
 |
|  | Currently you send tapes off-site for storage.  Do you still have the need for an off-site archive or does the DR site replace that requirement? | DR Site meets the requirement. One of the objectives of this project is to go tapeless. |
|  | What is the nature of the 96 TB of data at the MJC? What is the change rate?  How much of it is static or unchanging archive data? | The incremental back is 3.4 TB |
|  | Is your department doing deduplication today? If yes, wth what technology? | The 2nd Dist and 4th Dst do dedupe using AVAMAR 6.1. MJC doesn’t do any deduplication |
|  | Number of Years growth to plan for? | Five Years. |
|  | How long is the backup window | 8pm to 5am |
|  | How often do you do restores | Rarely – but obviously we would like to be able to when necessary. |
|  | Section V11.B Do you weight the seven elements you list? For example, we may meet or exceed other vendor proposals but have limited current relationship with the State. (We are trying to determine our ability effectively). | Any previous relationship with the State will be taken into consideration. However, a vendor with either a limited or no relationship with the State will NOT be excluded from consideration. |
|  | What type of network hardware will the backup solution be connecting to at each site, Make / Model?   | HP/Cisco |
|  | What type of physical media will the backup solution be attaching to, Fiber-channel, 1GB Ethernet, 10GB Ethernet, iSCSI, other? | That would depend on the requirements. MJC has all, Districts are 1 GB |
|  | What is the WAN latency between each of the sites? | Less than 10ms |
|  | 1. Per page 3, second bullet: The State Court Administrator’s Office and two (2) of the larger Judicial Districts will perform backups over their local area network (“LAN”) to a local storage device. It is anticipated that with the larger amounts of data at these locations, it will be necessary to back-up the data to a local device first and then perform a “device to device” replication via the WAN to the Disaster Recovery site located in the St. Paul, Minnesota area.
* Will the State be supplying the local storage devices at these sites or are these devices to be included in the proposed solution?
* If the state is supplying these devices, what are the brand / model of the devices?
 | Vendor needs to include devices in the solution.State is NOT supplying these devices. Vendors are expected to include in the solution  |
|  | Is there a limit as to rack space or power at each location that the solution must accommodate? | No |
|  | What is the current growth rate of data that will need to be backed up? | 10% |
|  | What is the annual growth rate expected or observed for MJB? | 10% |
|  | What kind of files are required for backup by the Sophos anti-virus application? | This is just an anti-virus server. No special requirements. |
|  | What Commvault version and service pack level are you at MJC? | V 8 with SP6 |
|  | What are the server AND disk specifications for the existing Media Agent servers?   | Servers could be replaced to fit the solution or upgraded if we keep CommVault and vendor proposes such a thing |
|  | What are the lengths of the network cables required? | NA |
|  | Should the solution also provide non-disruptive replacement of these parts and/or non-disruptive firmware upgrades? | Yes |
|  | Can you verify this amount? | Correct |
|  | Is this capacity deduped? | Yes |
|  | What storage capacity is available at DC2, DC4 and MJC? | None is available for use to backup storage |
|  | Would it be possible to use available storage capacity at DC2, DC4 and MJC to contain local backups?   | No |
|  | Will project management be supplied by MJB or should CVLT provide all project management?  | Vendor needs to supply a project manager. MJC will make some of its staff available to help vendor’s team working on the project |
|  | Can MJC use CommVault to determine capacity usage? | The report didn’t show any Front-End-Terabytes in backup data  |