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Moldova

Pre-bidding Conference Minutes
ITB 10/00161 Integrated Solution for Server Cluster and Storage

27 May 2010, 11:00
UN Conference Room

Agenda of the day:

1.   Short introduction on ITB purpose
2.   Qs & As

1.   SHORT INTRODUCTION ON ITB PURPOSE

Purpose: Selection of the supplier of an Integrated IT Solution (Servers, Storage System and Supporting Hardware and Software) for securing the proper functioning of the new ICT system of the Parliament of Moldova.

2.   Qs & As

Many of questions are already answered in ITB, which have to be treated as a guide in creating the offers. Bidders may offer solutions with the same specifications as requested or with specifications that would ensure a better functionality.

1. *Question: In Storage system, is RAID3 obligatory, in case that HDD will be on RAID5 and 6?*

   Answer: No.

2. *Question: In storage system, what does "cache destaging to flash drive" and "min 4 storage partitions installed" mean?*

   Answer: "Cache destaging to flash drive" means copying data from cache to the internal flash drive and is used by many vendors to eliminate loss of cache due to long-term loss of power. Proposed storage system should include all necessary features to permit attachment to least 4 individual servers or 4 clustered servers groups.

   More detail available at major brands websites and technical support. Please consult your company or vendor technical specialists in storage solutions.

3. *Question: In backup server, can 12 memory slots proposed, not 18?*

   Answer: Backup server should have 18 memory slots as requested

4. *Question: In backup server, can a six disc bays be proposed, not eight?*

Answer: Server can be proposed with six disc bays. There must be enough room to install at least 6 discs (total).Please pay attention to other specified parameters and components of Item IV.

5. _Question:_ In backup device, what does "path failover" mean?

   Answer: Path failover feature allows the tape library to switch control and data to a redundant path and continue operating if the first path fails.
   More detail available at major brands websites and technical support. Please consult your company or vendor technical specialists.

6. _Question:_ In backup device, dual redundant means 2 power supplies or 2+2 power supplies?

   Answer: As usual, dual redundant means two power supplies, one standard and one redundant for each device.

7. _Question:_ In UPS, point 9, can be offered a solution with temperature sensor in PDU instead of UPS?

   Answer: No. UPS **must** control servers' shutdown in case if environment temperature exceed limits.

8. _Question:_ In ups, at what should we pay more attention, to 4500W or 5000VA?

   Answer: 5000VA

9. _Question:_ In UPS, two c19 and eight c13 are requested, is this quantity obligatory or ather possibilities can be offered, with the same number of power outlets?

   Answer: At least two C19 and six C13 (to power lower half of rack) have to be available on UPS. The rest of slots can be added via PDUs.

10. _Question:_ In rack, what does "min 6 compartments" mean and what is the purpose of it?

    Answer: Requested are rack side compartments that are used for selected 1U devices (like KVM switches, PDUs, …) allowing to save rack space.

11. _Question:_ In rack, room for cable management, is it a horizontal organizer for cables?

    Answer: Vertical only. Rack should be equipped with a vertical cable organizer, to arrange cables run from top to bottom of rack and vice-versa and should have enough room for cables in the rear part.

12. _Question:_ In UPS, console switch, is it KVM switch?

    Answer: Yes

13. _Question:_ In Ethernet switches, can single redundant be proposed instead of dual?

    Answer: The question is not clear. If the question is about the power supplies, then power redundancy for each switch is mandatory (_e.g._ through two power supplies – standard and redundant).

14. *Question: In Ethernet switches, "optional two 10GB Ethernet ports", does it mean ports without modules?*

Answer: Yes. There should be a possibility to upgrade it to 10Gb.

15. *Question: In Ethernet switches, optional features, is PoE obligatory?*

Answer: Possibility of upgrade to PoE is mandatory.

16. *Question: In Ethernet switches, optional, upgradable to RIP v1/v2, should it be supported from the very beginning or should be indicated the software price for upgrade?*

Answer: Layer3 basic features: IPv4 and static routes are obligatory for proposed configuration. Dynamical routing protocols are optional but mandatory features.

17. *Question: In intrusion prevention system, is it possible to offer 4GE+1FE, instead of 6*1GB Ethernet?*

Answer: Yes

18. *Question: In backup software, is is seen that in the whole system will be 8 virtual machines, 2 sql servers, 1 exchange server, 1 sharepoint server. What is the purpose of the rest 4 virtual machines?*

Answer: Backup SW running on backup server (item IV) should be able to backup all Software running under two physical servers (item I): 8 Windows 2008 Server copies running under virtualization and applications on them: 2 SQL Servers, 1 Exchange Server, 1 SharePoint, 1 Web Server, Dedicated Server for Parliament Informational System. Because applications will have separate LUNs (physical disk) on storage, backup data should be treated at application level, not as VM image.

19. *Question: Can backup exec be proposed?*

Answer: Yes, in case it does satisfy all requirements for Item VI.

20. *Question: What operating systems will be installed, only from Microsoft or from other vendors?*

Answer: Microsoft Windows Server SW planned at this stage of the project. Compatibility with other listed OS requested for future development.

21. *Question: In endpoint security solution, is Back up requested for last point?*

Answer: Question looks turbid. Item XI, Endpoint Security Solution does not specify any backup solution or feature.

22. *Question: In software licenses, can OEM be proposed?*

Answer: No, only specified in ITB Open Licenses will be accepted. Also Microsoft recommendation is to install and activate under Hyper-V OLP versions of Microsoft SW. Consult your company or vendor Microsoft products licensing specialist.