



13-2017 ADDENDUM 2

REQUEST FOR PROPOSAL FOR SUPPLY AND DELIVERY OF SERVER HARDWARE AND ACCESSORIES

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE
REQUEST FOR PROPOSAL**

ISSUED: March 10, 2017
BY: William Doering
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE REQUEST FOR PROPOSAL AND
SHALL FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: Ar20160708

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Request for Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 9 of Form A: Proposal may render your Proposal non-responsive.

PART A – PROPOSAL SUBMISSION

Replace: 13-2017 Proposal Submission with **13-2017 Addendum 2 - Proposal Submission**. The following is a summary of changes incorporated in the replacement Proposal Submission:

Form B(R2): Section A, Items 6 and 7 have been revised.

Form B(R2): Section B, Item 1 have been revised.

Page numbering on some forms may be changed as a result.

PART E – SPECIFICATIONS

Add E4.10:

E4.10 Blade Servers and their sub-components should be integrated prior to delivery.

Revise: E5.1(c) to read as

E5.1(c) include redundant Ethernet and redundant Fiber Channel connectivity **with minimums of:**

- (i) 1 redundant pair of 1G Ethernet**
- (ii) Space for 1 additional/optional redundant pair of 1G or 10G Ethernet**
- (iii) 1 redundant pair of Fiber Channel**

Add E5.3:

E5.3 Tower/Rack Mount Servers and their sub-components should be integrated prior to delivery.

QUESTIONS AND ANSWERS

Q1 FORM A: PROPOSAL, SECTION A BLADE SERVERS item #6 E5-2660 v3 @ 2.6GHz, item #7 Xeon E5-2660-V3 and FORM A: PROPSAL, SECTION B item #1 E5-2623 v3 @ 3.00GHz. On April 1st the E5-V3 Product goes into Part Discontinuance Notice it is Lenovo's understanding this includes both the requested bladed processors, E5-2660 v3 and the tower/rack E5- 2623v3 processors. Lenovo recommends changing specification to:

- (i) Bladed infrastructure – from E5-2623v3 to E5-2637v4 4C 3.5Ghz – which provides similar performance and core count
- (ii) Tower/Rack infrastructure – from E5-2660 v3 to either E5-2640 v4 10C 2.4Ghz which provides slightly less performance but the same core count or the E5-2660 v4 14C 2.0 Ghz which provides similar performance with a higher core count.

A1 See **Addendum 2**

Q2 Request for proposal, PART D - SUPPLEMENTAL CONDITIONS, 2.8 We are currently utilizing HP's Flex Fabric interconnects in our Blade Enclosures to provide connectivity to our Cisco Ethernet and Cisco Fibre Channel networks. The HP Flex Fabric interconnect provides the City of Winnipeg the capability of keeping the network traffic within the blade chassis environment. Please confirm the City requires this same functionality within future blade chassis solutions.

A2 Keeping network traffic inside the enclosure is not a mandatory requirement, however it is desirable and will be scored under sections such as E3.19 and E4.6.

Q3 Request for proposal, PART E – SPECIFICATIONS, ALL SERVERS AND ACCESSORIES E3.17 Servers shall have internal media slot (SD Card or internal USB) supported for booting VMware ESXi.

- (i) Please clarify if the internal media should have VMware ESXi 6.x preinstalled.
- (ii) Please confirm all licenses for VMware ESXi is out of scope of this RFP.

A3 The response is :

- (i) The internal media need not have Vmware software installed.
- (ii) VMware licenses are out of scope for this RFP.

Q4 Request for proposal, PART E – SPECIFICATIONS, BLADE SERVERS E4.4 Blade system interconnects/switches shall support connectivity to Cisco Ethernet Networks and Cisco Fibre Channel SANs. Please confirm what the preferred manufacturer for the Fibre Channel HBAs – i.e. Qlogic or Emulex

A4 There is no preference for the manufacturer of the HBAs. Please be aware that the chosen HBA and any other components shall be such that the server complies with all of the specifications in section E such as but not limited to E3.2.

Q5 Request for proposal, PART E – SPECIFICATIONS

E5 TOWER/RACK MOUNT SERVERSE 5.1 Tower/Rack Mount Servers shall:

- (a) have RAID controller supporting RAID5 and RAID1 with cache battery backup or capacitor backed flash cache;

Please confirm the required size of capacitor backed up cache. i.e. 512MB, 1GB, 2GB or 4GB.

A5 There is no minimum specification for the size of the disk controller cache. Cache must exist though (size zero or non-existent cache would be non-responsive).

Q6 Request for proposal, PART E – SPECIFICATIONS

E5 TOWER/RACK MOUNT SERVER SE 5.1 Tower/Rack Mount Servers shall:

- (c) include redundant Ethernet and redundant Fiber Channel connectivity;

Please confirm

- (i) the number of required 1GbE and 10GbE ports.
- (ii) the required 10GbE SFP+ or 10GBase-T.
- (iii) the preferred manufacturer for the HBAs i.e. Qlogic or Emulex.

A6 The response is:

- (i) See **Addendum 2**
- (ii) 10G Ethernet connectors shall be SFP+
- (iii) There is no preference for the manufacturer of the HBAs. Please be aware that the chosen HBA and any other components shall be such that the server complies with all of the specifications in section E such as but not limited to E3.2.

Q7 RFP, Part D: Supplemental Conditions, D2 Server Background, D2.9 we utilize CA-UIM (Nimsoft) for System Management for our environment. Please provide clarification on how the current x86 server environment integrates into CA-UIM.

A7 We use CA_UIM Nimsoft to monitor our environment. Agents are installed inside operating systems such as Windows or Linux. Agents report information back to central Nimsoft servers that gather information for trending and alarm purposes. Examples of basic information that is gathered would be CPU, disk, and network usage. More advanced agents can monitor application information for applications such as databases, email servers, or VMware Vcentre. Nimsoft is our primary alarm centre, and we try and route all information and alarms from other products into Nimsoft so that we have one pane of glass for environment alarms. As Nimsoft has many different agents, proponents may find that Nimsoft supports an agent for monitoring particular aspects of their proposed equipment.

Q8 RFP, Part E: Specifications

E3 All Servers and Accessories

E3.2 Servers shall support Windows 2008/2012/2016, and VMware ESXi 6.x.

- (i) Does the City utilize VMWare Center for the management of the VMware environment?
- (ii) If so, please confirm how this integrates into the CA-UIM (Nimsoft) environment.

A8 The response is:

- (i) Yes, the City uses VMware Vcentre to manage the ESXi environment.
- (ii) We do have a Nimsoft agent running on a Windows machine that reaches into VMware Vcentre to extract data for trending and alarming purposes. A basic example of what can be seen by Nimsoft would be trending of CPU/memory/disk for both VMs and hosts.

Q9 In FORM B. Prices, Section A and Section B, you mention specific models of CPU for both Blade and Rack/Tower servers. The specific CPU models (v2 and v3) you reference are older generations of the Intel Xeon E5 CPU, the current series of the Intel Xeon E5 are the v4 processors. For this RFP response, is it acceptable to build configurations for the based on equivalent Intel Xeon E5 v4 CPUs?

A9 See A1.

Q10 At the on-site vendors meeting the City requested the proponents to provide a clear and concise response by placing answers under each section of the RFP. May I request a editable copy of the RFP to achieve this request.

A10 No, we don't provide an editable copy of document.

Q11 Within the RFP document and in the proposal submission a reference to integration of parts into the servers could be located. Please clarify if the City wishes the proponents to provide integration of parts before the servers are delivered.

A11 See Addendum 2.