

**State of Iowa – Judicial Branch
Request for Quote – Project ID # 042008NBU– Question & Answer
Posted 5/9/08**

Due Date For Vendor Quotes: May 13, 2008 by 15:30 Central Daylight Time
Send Quotes To: Mark.Headlee@jb.state.ia.us

Questions submitted by vendors

1. Do you want encryption?

Yes, we would like the ability to encrypt data as it is written to tape.

2. Do you already have a SAN?

Yes, we currently have a SAN that a few of the hosts are on. Majority of the hosts use Direct Attached Storage at this point.

3. Need the product versions of all the pieces? Oracle, Windows, AIX, Domino, etc.

Oracle Database and RAC 10g and Oracle Fusion/Application Server 10g. MS Windows 2000, 2003, and 2008. AIX v5.2, 5.3. Domino 7.0.2 for mail, as well as Domino 6.5.3 for applications and Domino.Doc 7.0. VMware ESX 3.5 with Windows 200x, along with RHEL 4 and 5 VMs. Red Hat Enterprise Linux 4 and 5 on x86, x86-64 and Itanium-2. MS SQL Express/ SQLServer 2000 and 2005.

4. How many clients do we configure to be backed up? Do you have a list of all the servers you want to back up?

Will be a tiered rollout, with an eventual total of 60-65 physical and virtual machines. Cost of agents for each was the driving force behind a possible Capacity based licensing model, if available. As stated in the RFQ, Eventual total backup will be in the neighborhood of 2TB. We would also like to know the cost of an additional 1TB license.

5. How long do you plan to keep backups?

Nightly backups are kept for 14 days. Monthly full backups are kept for 1 year.

6. How much disk do you need for a DISKPOOL?. Do you have disk available for this? What disk is this?

Please provide clarification on this question. Plan is to write directly to tape, with no staging to disk taking place.

- We need to know the details of the servers in your environment that need to be backed up. The role of the server (Oracle, SQL, Domino, file/print, file server, etc.) along with specific application versions, the specific OS/platform that the server is running, and the make/model of the server's hardware including the number/type of CPUs are required. Please make note if the server is virtual or physical.

model	operating system	oslevel -r / processor	role
IBM 7025-6F1	AIX 5.2.0.0	5200-08 PowerPC_RS64-IV	Oracle DB
IBM 7026-6H1	AIX 5.3.0.0	5300-05 PowerPC_RS64-IV	Oracle DB
IBM 7026-6H1	AIX 5.3.0.0	5300-05 PowerPC_RS64-IV	Oracle DB
IBM 7028-6C4	AIX 5.2.0.0	5200-09 PowerPC_POWER4	Oracle DB
IBM 7025-F50	AIX 4.3.2.0		Oracle DB
IBM 7025-6F1	AIX 5.2.0.0	5200-08 PowerPC_RS64-IV	Oracle DB
IBM 7025-F80	AIX 5.2.0.0	5200-09 PowerPC_RS64-III	Oracle DB
IBM 7025-F80	AIX 5.2.0.0	5200-08 PowerPC_RS64-III	Oracle DB
IBM 7044-170	AIX 5.2.0.0	5200-08 PowerPC_POWER3	Oracle DB
model	redhat-release	uname -ir	
Dell PowerEdge 4600	RHEL ES release 4 (Nahant Update 4)	2.6.9-42.0.8.ELhugemem i386	Oracle AS
Dell PowerEdge 4600	RHEL ES release 4 (Nahant Update 4)	2.6.9-42.0.8.ELhugemem i386	Oracle AS
Dell PowerEdge 4600	RHEL ES release 4 (Nahant Update 4)	2.6.9-42.0.3.ELhugemem i386	Oracle AS
Dell PowerEdge 4600	RHEL ES release 4 (Nahant Update 4)	2.6.9-42.0.3.ELhugemem i386	Oracle AS
Dell PowerEdge 4600	RHEL ES release 4 (Nahant Update 4)	2.6.9-42.0.8.ELhugemem i386	Oracle AS
hp Integrity rx4640	RHEL AS release 4 (Nahant Update 5)	2.6.9-22.0.2.EL ia64	Oracle RAC
Gateway E-9425R	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.9.ELsmp x86_64	Domino
hp Integrity rx4640	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.2.18.1.EL ia64	Oracle RAC
hp Integrity rx4640	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.2.18.1.EL ia64	Oracle RAC
hp Integrity rx4640	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.2.EL ia64	Oracle RAC
hp Integrity rx4640	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.2.EL ia64	Oracle RAC
Gateway E-9425R	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.9.ELsmp x86_64	Domino
IBM 8843-21U	RHEL ES release 4 (Nahant Update 2)	2.6.9-5.ELsmp i386	Oracle Grid
Gateway E-9425R	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.9.ELsmp x86_64	Domino
Gateway E-9425R	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.9.ELsmp x86_64	Domino
Gateway E-9425R	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.9.ELsmp x86_64	Domino
Gateway E-9425R	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.9.ELsmp x86_64	Domino
hp Integrity rx4640	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.2.EL ia64	Oracle RAC
hp Integrity rx4640	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.2.EL ia64	Oracle RAC
hp Integrity rx4640	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.2.EL ia64	Oracle RAC
hp Integrity rx4640	RHEL AS release 4 (Nahant Update 5)	2.6.9-55.0.2.EL ia64	Oracle RAC
Gateway E-9425R	RHEL AS release 4 (Nahant Update 6)	2.6.9-55.0.9.ELsmp x86_64	Domino
Gateway E-2600S	Fedora Core release 6 (Zod)	2.6.18-1.2868.fc6 i386	MRTG

Dell PowerEdge 4600	RHEL ES release 4 (Nahant Update 4)	2.6.9-42.0.10.ELhugemem i386	Oracle AS
Dell PowerEdge 4600	RHEL ES release 4 (Nahant Update 4)	2.6.9-42.0.10.ELhugemem i386	Oracle AS
Dell PowerEdge 4600	RHEL ES release 4 (Nahant Update 4)	2.6.9-42.0.10.ELhugemem i386	Oracle AS
Dell PowerEdge 4600	RHL Advanced Server 2.1AS (Pensacola)	2.4.9-e.57smp i686	Oracle AS
Dell PowerEdge 4600	RHEL ES release 4 (Nahant Update 4)	2.6.9-42.0.10.ELhugemem i386	Oracle AS
Dell PowerEdge 4600	RHEL ES release 4 (Nahant Update 4)	2.6.9-42.0.10.ELhugemem i386	Oracle AS
model	operating system	role	
hp ProLiant DL360 G4	Windows Server 2003	Backup Media Server	
Gateway E-9425R	Windows Storage Server 2003	Backup Media Server	
hp ProLiant DL360 G4	Windows Server 2003	Domino/Blackberry	
hp ProLiant DL380 G3	Windows 2000 Terminal	Domino Apps	
hp ProLiant DL380 G3	Windows 2000 Terminal	SOA Development	
IBM 8664-71Y	Windows 2000 Server	Domain Controller	
IBM 8843-21U	Windows Server 2003	Domain Controller	
IBM 8843-21U	Windows Server 2003	DHCP/DNS/WINS	
hp ProLiant DL380 G3	Windows 2000 Terminal	Domino.Doc	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
IBM 7979-AC1	Windows Server 2003	Terminal Server	
IBM 8185-D3U	Windows 2000 Terminal	File Server	
Compaq ProLiant ML370 G2	Windows 2000 Terminal	File Server	
IBM 8843-21U	Windows Server 2003	SMS	
Compaq ProLiant ML350 G2	Windows 2000 Terminal	Domino/Sametime	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
Dell PowerEdge 2800	Windows Server 2003	File/Print	
IBM 6830-EBU	Windows 2000 Terminal	DC/DNS	
IBM 6830-EBU	Windows 2000 Terminal	DC/DNS	
hp ProLiant DL360 G5	Windows Server 2003 R2	SOA Prod interfaces	
hp ProLiant DL360 G3	Windows 2000 Terminal	LDAP	
hp ProLiant DL360 G3	Windows 2000 Terminal	LDAP	
hp ProLiant DL360 G4	Windows Server 2003	Backup Media Server	
Gateway E-9425R	Windows Storage Server 2003	Backup Media Server	
IBM 7977AC1	Windows Server 2003 R2	MS SQL Server	

8. For VMWare VCB, is there a proxy server in place already, or is the goal to try to use the new backup server for this purpose (this is not recommended.)

VCB Proxy server is currently on its own existing hardware.

9. Just to be clear, the RFQ states that you want two tape libraries but only one backup server. Is the goal to manage both tape libraries from the one backup server? If feasible, would you prefer one tape library with double the drive/slot/media counts?

Tape libraries will be set at two different locations, one at primary and one at backup Data Center, so we will need to have two. The single required backup server would be a master server. Tape library would be controlled at the backup DC by an existing media server running Windows 2003.

10. What Operating System will you be running on the backup server? Will you run it in 32-bit or 64-bit mode? We can make a recommendation on this if you would prefer.

Windows 2003/2008 would be preferred. I know that for some solutions, Bare Metal recovery is only available on 32-bit master servers. If recommended solution, does not have this limitation, then either 32 or 64-bit would be acceptable. We are open to recommendations on this as well.