

	<u>Purchased</u>	<u>Proposed</u>	<u>Proposed</u>	<u>Total</u>
Capitalized Assets				
Furniture and equipment				
Vehicle				
ISP equipment				
	<i>From</i>	<i>Lenovo Server</i>	<i>Epson</i>	
	<i>inception to</i>	<i>system</i>	<i>Stylus Pro</i>	
	<i>date</i>	<i>7900</i>	<i>Printer</i>	<i>Total</i>
	15,592	18,500	4,635	38,727
	77,412			77,412
	288,520			288,520
Total	381,524	18,500	4,635	404,659

Required capital investment by February 1, 2015 \$ 400,000

Epson Printer: We received a quote for both a Pro 7900 (\$4635) and Pro 9900 (\$6950). Either printer purchase will allow STC to meet the 400K requirement. (quotes are attached) <http://www.epson.com/cgi-bin/Store/isp/Pro/SeriesStylusPro79009900/FandB.do>

Lenovo Server: Preliminary server specs have been approved by Ben Goertzel and his IT team Amen Belayneh (email attached). With the note that increasing the Memory to 64GB would be preferable- Liston. We have received an update quote and are in the process of vetting price with Liston and memory specs changes with Goertzel. Quotes are attached. Above amount is an approximate based on the current quoted proposals.

TV: Local distributor has advised the new 77" OLED/4K 2015 is not available at this time, that there is no documentation or pricing available also as this TV was introduced just a few weeks ago at CES, typically it's about 90 days or so after that introduction that a product is available for sale. 77" LG77EC9800 2014 is still available to you in curve type at \$29,999.00 + Freight, Insurance, etc.

Liston Network Systems

P.O. Box 7404



Proposal

Proposal Date: 1/21/2015

Proposal #: [Redacted]

Project: [Redacted]

Bill To:

Southern
Little ET, James



Description	Est. Hours/Qty.	Rate	Total
Express System x3650 M4 1U RM Xeon 6C E5-2630 v2 2.6GHz / 8GB / 8x2.5" Bays / DVD SM / 4xGbE / 550W / NoOS / Lenovo System x Server	1	2,918.22	2,918.22 /
Processor, Xeon 6C E5-2630 v2 2.6GHz / 15MB / 80W for x3500 M4 Lenovo System x Server Accessories	1	2,309.30	2,309.30 /
8GB PC3-12800 240-pin DDR3 SDRAM DIMM Lenovo System x Server Accessories	8	234.47	1,875.76 up 500
900GB SAS 6Gb / s 10K RPM 2.5" Hot Swap Hard Drive Lenovo System x Server Accessories	9	819.00	7,371.00 /
x3650 M4 Plus 8x 2.5" Hot Swap Hard Drive Assembly Kit w / Expander Lenovo System x Server Accessories	1	568.99	568.99 /
ServerRAID M5100 Series 512MB Flash / RAID 5 Upgrade for System X Lenovo System x Server Accessories	1	453.99	453.99 /
550W High Efficiency Platinum AC Power Supply for System x Lenovo System x Server Accessories	1	380.95	380.95 /
Integrated Management Module Advanced Upgrade Lenovo System x Server Accessories	1	499.95	499.95 /
3-year Onsite Repair 24x7 4-hour Response w/ HDDR	1	998.00	998.00
UPS-WORLDWIDE EXPRESS SHIPPING & HANDLING AND CUSTOM BROKERS FEE.	1	995.00	995.00 /
<i>Liston providing?</i>			
Total			\$18,371.16

Please remit to above address.

Liston Network Systems

P.O. Box 7404



Proposal

Proposal Date: 1/21/2015

Proposal #: 1143

Project:

Bill To:

Southern Trust Company, Inc.
Little St. James



Description	Est. Hours/Qty.	Rate	Total
Express System x3650 M4 1U RM Xeon 6C E5-2630 v2 2.6GHz / 8GB / 8x2.5" Bays / DVD SM / 4xGbE / 550W / NoOS / Lenovo System x Server	1	2,918.22	2,918.22
Processor, Xeon 6C E5-2630 v2 2.6GHz / 15MB / 80W for x3500 M4 Lenovo System x Server Accessories	1	2,309.30	2,309.30
8GB PC3-12800 240-pin DDR3 SDRAM DIMM Lenovo System x Server Accessories	24 3	234.47	703.41
900GB SAS 6Gb / s 10K RPM 2.5" Hot Swap Hard Drive Lenovo System x Server Accessories	9	819.00	7,371.00
x3650 M4 Plus 8x 2.5" Hot Swap Hard Drive Assembly Kit w / Expander Lenovo System x Server Accessories	1	568.99	568.99
ServeRAID M5100 Series 512MB Flash / RAID 5 Upgrade for System X Lenovo System x Server Accessories	1	453.99	453.99
550W High Efficiency Platinum AC Power Supply for System x Lenovo System x Server Accessories	1	380.95	380.95
Integrated Management Module Advanced Upgrade Lenovo System x Server Accessories		499.95	499.95
SHIPPING & HANDLING AND CUSTOM BROKERS FEE.	1	984.00	984.00

Please remit to above address.

Total

\$16,189.81



Liston Network Systems

P.O. Box 7404



Proposal

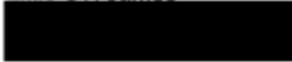
Proposal Date: 1/21/2015

Proposal #: 1144

Project:

Bill To:

Little ST. James



Description	Est. Hours/Qty.	Rate	Total
Express System x3500 M4 5U RMT Xeon 6C E5-2630 v2 2.6GHz / 8GB / 8x2.5" HS Bays / DVD SM / 4xGbE / 750W / NoOS Lenovo Tower System x Storage	<i>Different system</i> 1	2,995.95	2,995.95
Processor, Xeon 6C E5-2630 v2 2.6GHz / 15MB / 80W for x3500 M4 Lenovo System x Server Accessories	1	2,309.30	2,309.30
8GB PC3-12800 240-pin DDR3 SDRAM DIMM Lenovo System x Server Accessories	<i>64 8+8</i> 8	234.47	1,875.76
900GB SAS 6Gb / s 10K RPM 2.5" Hot Swap Hard Drive Lenovo System x Server Accessories	9	819.00	7,371.00
Additional 8 x 2.5" Hot-Swap SAS / SATA Upgrade Kit for 16 or 24 Hard Drives Lenovo System x Server Accessories	1	497.95	497.95
ServeRAID M5100 Series 512MB Flash / RAID 5 Upgrade for System X Lenovo System x Server Accessories	1	453.99	453.99
750W AC Power Supply for System X Platinum Lenovo System x Server Accessories	1	399.95	399.95
Integrated Management Module Advanced Upgrade Lenovo System x Server Accessories	1	499.95	499.95
3-year Onsite Repair 24x7 4-hour Response w/ HDDR	1	998.00	998.00
UPS-WORLDWIDE EXPRESS SHIPPING & HANDLING AND CUSTOM BROKERS FEE.	1	1,250.00	1,250.00
Total			\$18,651.85

Please remit to above address.

Jeanne Brennan Wiebracht

From: Jermaine Ruan <[REDACTED]>
Sent: Friday, January 23, 2015 9:26 AM
To: Rich Kahn; [REDACTED] 'Jeanne Brennan'
Cc: [REDACTED]
Subject: FW: Server Specs for Review

Good Day All

JE's associates choose the [Lenovo Server](#) from [Liston Networks](#).

Regards
Jruan

From: Amen Belayneh [REDACTED]
Sent: Friday, January 23, 2015 6:56 AM
To: Jermaine Ruan
Cc: Ben Goertzel
Subject: Re: Server Specs for Review

Hi Jermaine,

Option 1 looks good, with the exception that the memory is low. Having **64GB or above** would be preferable, for experimenting with pattern mining on a big data set.

Requested 64GB increase
in quote

On Thu Jan 22 2015 at 7:14:52 PM Jermaine Ruan <[REDACTED]> wrote:
Good day gentlemen,

Below are the new specs for the linux server please review and inform me on which option is better for you.

Option 1:

Express System x3650 M4 1U RM Xeon 6C E5-2630
v2 2.6GHz / 8GB / 8x2.5" Bays / DVD SM / 4xGbE /
550W / NoOS / **Lenovo System x Server**

Processor, Xeon 6C E5-2630 v2 2.6GHz / 15MB / 80W
for x3500 M4 Lenovo System x Server Accessories

8GB PC3-12800 240-pin DDR3 SDRAM DIMM Lenovo

System x Server Accessories

900GB SAS 6Gb / s 10K RPM 2.5" Hot Swap Hard

Drive Lenovo System x Server Accessories

x3650 M4 Plus 8x 2.5" Hot Swap Hard Drive Assembly

Kit w / Expander Lenovo System x Server Accessories

ServeRAID M5100 Series 512MB Flash / RAID 5

Upgrade for System X Lenovo System x Server

Accessories

550W High Efficiency Platinum AC Power Supply for

System x Lenovo System x Server Accessories

Integrated Management Module Advanced Upgrade

Lenovo System x Server Accessories

Option 2:

HP ProLiant ML350p Gen8 - Server - tower - 5U - 2-way - 1 x Xeon E5-2620 / 2 GHz - RAM 8 GB - SAS - hot-swap 3.5" - no HDD - DVD

2-way - 1 x Xeon E5-2620 / 2 GHz - RAM 8 GB

SAS - hot-swap 3.5" HDD - DVD - Matrox G200

Intel Xeon E5-2620 - 2 GHz - 6-core - 12 threads - 15 MB cache - for ProLiant

HP Low Power kit - DDR3L - 16 GB - DIMM 240-pin - 1333 MHz / PC3L-10600 -

HP Midline - Hard drive - 2 TB - hot-swap - 3.5" LFF - SATA 6Gb/s - 7200 rpm -

HP Common Slot High Efficiency - Power supply - hot-plug (plug-in module) -

Red Hat Enterprise Linux 1 user, 1 year.

Network adapter - PCI Express 2.0 x4 low profile - Gigabit Ethernet

Please review and inform me on which option is better for your project.

Regards

JRuan

On Jan 20, 2015, at 2:42 AM, Amen Belayneh <[REDACTED]> wrote:

Hi Jermaine,

If i got it right, the setup will be

- CPU Qty : 1 (Max CPU Qty 2)
- CPU : Intel Xeon E5-2650V2 / 2.6 GHz
- Core per cpu : 8 Core
- Thread(s) per core : 2
- Memory : 24 GB (extendable to 320GB)
- Storage : 8 TB
- And other additional for data integrity and administrative purposes

With regards to OS we prefer Ubuntu server. But the ThinkServer RD540 seems to come with option for Red Hat Enterprise Linux Server or SUSE Linux Enterprise Server as well. As Ben mentioned any Linux will work.

Regards

Amen

On Tue Jan 20 2015 at 11:23:43 AM Ben Goertzel [REDACTED] wrote:

Hi Jermaine,

My colleague Amen Belayneh is more versed on the hardware aspect of our work than I am, so it will be best if you interface with him directly on this. I am cc'ing him to this email.

For our AI software, essentially any machine with Linux, at least 2 processors and at least 8GB of RAM will be sufficient. More processors and more RAM are always better, for instance some commodity machines available now have 8 processors and 64GB of RAM which is very nice.

(Amen: Jermaine works for Jeffrey Epstein, who has expressed interest in running some of our AI software (probably initially bioinformatics stuff such as Selam has been working on) on a set of servers in his local office. Jermaine is in charge of setting up these serves, it would appear. I've got to run now to speak at a conference but will tell you more later.)

Thanks
Ben

On Tuesday, January 20, 2015 11:14 AM, Jermaine Ruan [REDACTED] wrote:

Good evening Mr. Goertzel
We will optain which ever server(s) you prefer, just give me your deal specifications.
Regards

Jruan

On Jan 19, 2015 11:04 PM, "Ben Goertzel" [REDACTED] wrote:
Hi Jermaine,

Thanks for the information.

I notice you don't mention how much RAM each of the machines have. For the work we're doing, the more RAM the better of course...

A key point you don't mention also is the operating systems involved.... All of our AI code is Linux based not Windows based.

So, ideal will be if my staff can get remote access to Linux or OSX on the machines we're supposed to use.

Our AI software runs most easily in Ubuntu Linux and is generally installed via Docker or Vagrant. So if you have Linux or OSX on your machines, we can simply install Ubuntu VMs using Vagrant or Docker, and put our software on them that way. In any case the AI software will actually be running in a virtual Ubuntu environment.

(We're not really Windows developers and remote access to Windows machines is not something we're accustomed to. Of course if Vagrant or some other Linux virtualization solution is installed on a Windows machine then we should be able to network with that as if it were a Linux box... but I consider dealing w/ Windows a needless complication for what we're doing..)

Thanks
Ben

On Tuesday, January 20, 2015 10:26 AM, Jermaine Ruan [REDACTED] wrote:

Good day Mr. Goertzel

I am Jermaine Ruan of Mr. Epstein office. Below are the specs for the new server(s) for your review:

Lenovo ThinkServer RD540 70AU - 1U - 2-way - 1 x Xeon E5-2650V2 2.6 GHz - RAM 8 GB

1 0C19554 Intel Xeon E5-2650V2 - 2.6 GHz - 20 MB cache -

3 0C19534 Lenovo - DDR3L - 8 GB - DIMM 240-pin - 1600 MHz / PC3-12800

1 67Y2647 Lenovo ThinkServer RAID 700 Battery - RAID controller battery backup unit

8 0C19496 Lenovo - Hard drive - 1 TB - hot-swap - 2.5" - SATA 6Gb/s - 7200 rpm

1 4X20E54690 Lenovo ThinkServer 800W Hot Swap Redundant Power Supply

1 67Y2624 Lenovo ThinkServer Managment Module Premium - Remote management

1 XA0E97775 Lenovo ThinkPad UltraSlim USB DVD Burner - Disk drive - DVD±RW (±R DL) /

1 82972SM Microsoft Windows Server 2012 STD - License - 2 CPU - OEM - ROK - BIOS-

Kind Regards
JRuan

Jeanne Brennan Wiebracht

From: Jermaine Ruan <[REDACTED]>
Sent: Friday, January 23, 2015 9:30 AM
To: [REDACTED]; 'Jeanne Brennan'
Subject: FW: Bandwidth

Good Day All

Please note the Amen states it is sufficient.

Regards
JRuan

From: Amen Belayneh [mailto:[REDACTED]]
Sent: Friday, January 23, 2015 6:59 AM
To: Jermaine Ruan; [REDACTED]
Subject: Re: Bandwidth

Hi Jermaine,

I don't see why we would need a VPN, but the bandwidth is sufficient.

On Thu Jan 22 2015 at 11:48:31 PM Jermaine Ruan <[REDACTED]> wrote:

Good day gentlemen,

The site which will be hosting and maintaining the server has a bandwidth capacity of 10MB will this be sufficient for the VPN?

Please advise

Regards

JRuan