Mozilla Corporation

"BIG TICKET ITEM" PURCHASE ORDER FORM:

REQUIRED FOR:
ALL PURCHASES OVER $25,000
INCLUDING ALL CONTRACTUAL COMMITMENTS

SEND COMPLETED, DEPARTMENT APPROVED FORM TO WINNIE@MOZILLA.COM

OVERAL REQUEST INFORMATION:	Date Requested	Date Needed By: (3 weeks lead optimal)	VP REQUESTING	Dept	PROJECT/REASON
	10/10/10	10/17/12	Matthew Zeier	IT	Release Engineering

VENDOR INFO:	Vendor Name	Address (City, State, Zip)	Vendor Contact Name	Contact Information: Email / Phone
	iXSystems Inc	2490 Kruse Drive Quote # MF121010 San Jose, CA 95131	Matt Finney	mfinney@ixsystems.com Office: 408-943-4100 x116

ITEMS INFORMATION

Date Item(s) Needed By:	10/17/12
Ongoing Service or Contract?	N/A
Contract or Service Length?	N/A
Qty of Item(s) Needed	13
Price of Each Item	$5,194
TOTAL COST	**$67,522.00**

Accounting Use Only

PO # Assigned?	_____	This is assigned only after this form
Authorizing Mgrs	_____	
Dept Code	_____	
Account Code	_____	

In Budget / Plan?	YES

PO# Needed?	YES

OF BIDS / QUOTES REQUIRED IF NOT BUDGETED

> $ 25,000	Minimum of 2 or current vendor relationship of more than 12 months
> $ 100,000	Minimum of 2 - if one is current long term vendor or 3 Bids Required if Brand New Purchase

Competing Bids - Other Vendors Evaluated?

Vendor Name	Vendor Bid $	Reason For Not Selecting

JUSTIFICATIONS:

Why Do We Need This Item? (Risks of Not Purchasing)
See attached Supplement

Alternatives To Not Purchasing This Item? (Workarounds)
See attached Supplement

APPROVED BY	Signature	Printed Name	Date
DEPT VP	1) _____	_____	_____
CFO (Jim) $50K - $100K	2) _____		
CEO (Gary) >$100K	3) _____		

iXSystems Inc
"Enterprise Servers for Open Source"
2490 Kruse Drive
San Jose, CA 95131
(408)943-4100 – FAX (408)943-4101

Quote Date	August 10, 2012
Expires	14-Days
Quote #	MF120809-1
Sales Rep	Matt Finney
E-Mail	mfinney@ixsystems.com
Phone #	408-943-4100 x116

Bill To:
Mozilla

Ship To:

Quote prepared for: Amy Rich

Qty	Part Type	Description	Unit Price	Total Amount
13	System Name	IX21X4 (Gemini Squared)	$5,194.00	$67,522.00
	Form Factor	2U Neutron "Gemini" Series Four Node Hot-Pluggable Server 12 x SAS/SATA Hard Drive Bays, 920W High-Efficiency redundant (1+1) Power Supply - Quick Release Rackmount Rail Kit		
	Nodes	4 Server Nodes Per System – 4 of 4 Nodes contains the following components		
	Motherboard	Single Socket Xeon Motherboard (Intel 3420 Tylersburg Chipset) - 4 DIMM Slots (32GB Max Memory) - SATAII + Dual Gigabit Intel 82574L LAN, (1) PCI-E + IPMI Dedicated LAN		
	CPU	Intel Quad Core 2.93Ghz Xeon (LGA1156) 8MB cache (X3470)		
	Heat Sink	Heatsink: Multi Core X8 Passive Aluminum XEON 1U Heatsink		
	Memory	8GB Total: 2 x 4GB DDR3 1333Mhz ECC/REG		
	Hard Drive	1 x Western Digital 250GB Enterprise (RAID Duty) SATA2 7200RPM 64MB Cache RE4		
	RAID Controller	None		
	Drive Configuration	N/A		
	Remote Management	IPMI 2.0 with virtual media over LAN and KVM-over-LAN Dedicated LAN port		
	Optical Drive	No Option		
	PCI Expansion	EVGA 01G-P3-1430-LR GeForce GT 430 w/low profile bracket		
	Operating System	TBD		
	Warranty	3-Year Limited Warranty + Cross Ship Parts Replacement		
	Note	48-hour Burn-in, Heat and Stress Test – Shipping: Free Local Delivery		

Financing and Leasing Options Available

Sub Total	$67,522.00
Tax TBD	$0.00
Grand Total	$67,522.00

Print Name	Quote Acceptance	Title	Date

Quote is valid for 14 days. Confirm the configuration and pricing at the time of placing order. Please allow 5-7 business days lead-time, which includes time to configure, burn-in, and fully test your new system. All integrated systems have a 3 year limited hardware warranty, unless stated otherwise. On-Site warranties are available at an additional cost. Cancellations and returns are subject to a 20% re-stocking fee.

Supplement for iXSytems

Quote #: MF120809-1

Why do we need this?

1) These are needed to test Win8 at scale. No existing test machines in our infrastructure can do this win8x32 or win8x64 testing. This is first priority. I estimate this to be 50 machines (25 for win8x32, 25 for win8x64).

2) Fix undercapacity for existing test systems. We don't have enough test machines to keep up with test demand for winXP, win7x32, linux32, linux64 and that specific hardware is no longer being made. However, the same design 4node ix machine we're buying for win8 testing can test winXP, win7x32, linux32, linux64. After we have Win8 systems running, we plan to buy additional 4node ix machines to migrate winXP+win7x32+linux32+linux64 testing off existing test machines and over to these new 4node ix machines. I **estimate this to be 100 machines (25 for win7x32, 25 for winXP, 25 for linux32, 25 for linux64).**

3) Backfill to fix undercapacity for testing OSX. We dont have enough test machines to keep up with test demand for OSX 10.6, 10.7 and that specific hardware is no longer being made. As we complete phase#2, this will allow us to reimage former winXP/win7x32/win7x64/linux32/linux64 test machines to increase capacity for OSX10.6, 10.7 testing. This will be an internal only reshuffing/reimaging project of hardware already in house; only mentioned here for completeness.

What are we purchasing?

Qty	Description
13	System Name IX21X4 (Gemini Squared)
	Setup test machines for Windows 8 (32-bit) and Windows 8 (64-bit)

What is the risk of not purchasing it?

We currently have 50 nodes per OS for testing, and are not keeping up with increased demand. Our estimates here are for double our existing pools (25 x 4nodes-per-machine == 100 nodes).

Details of current undercapacity for winXP, win7x32, linux32, linux64 testpools in the daily "wait times" posts in mozilla.dev.tree-management. Recent example is:
https://groups.google.com/forum/?fromgroups=#!topic/mozilla.dev.tree-management/Gfa6mAj0Nk4

Data on historical growth trends are at: http://oduinn.com/blog/2012/09/04/infrastructure-load-for-august-2012/

What is the alternative? How did we decide to go with this recommendation?

A factor in deciding to buy these specific 4node ix machines is the vendor claim to allow us buy more identical systems for 5+years from now.

Cost:	$67,522.00