**CSCI 2930: Practical System Administration**

**Homework 4**

**Spring 2014**

**Due 4/29/2014**

Now that you have been promoted to System Administrator at your company, you have been asked to configure and purchase a new server for a high transaction database. Your assignment is to go on the Dell website ([www.dell.com](http://www.dell.com)) and configure a rack-mountable server with high performance hard drives and as much component redundancy as possible. The basic specifications you received from your end-user are:

* 2U Rack-Mountable server
* Dual processors
* 12 cores
* RedHat 6.4
* 32GB of USEABLE Mirrored memory @ 1600MHz.
* 2x 15000 RPM RAID 1 Hard Drives for the OS
* 22 Drives in a RAID 10 giving roughly 1.5TB of space available for data
* Dual power supplies
* 3-year Mission Critical support
* 2x 10-Gbit and 2x 1-Gbit Intel NIC ports
* Lockable bezel for security
* $15,000 limit

The assignment will be graded first by meeting the primary requirements and second by getting the most performance without going over your price limit.

View the summary of your configuration and save it as a file (doc, docx, pdf, etc.) and submit it on Canvas. Be sure that the file shows your entire configuration.