Chris Golpashin

April 6, 2016

UNIX/Linux Administration

Lab 13

Setting Up RAID

To boot into the RAID bios, press “Alt + 3” together when prompted for the 3ware bios. Use the arrow keys and the spacebar to select two of the four drives. Press tab to get to the bottom controls and select “Create Unit”. Name the array with a name that is easily identifiable. Set the RAID to either 0 for mirror or 1 for speed. Go back to the previous menu and select the last two hard drives. Name the array similar to last time and choose whatever RAID is needed. Press the F8 key to save the changes.

We had debian 8 installed as our OS, and the two RAID 1 hard drives were doing around 700 MBs a second when doing one task. The speeds went down to 100 MBs when multiple tty terminals were opened to run the disk.io file multiple times. The two RAID 0 array was similar with single tasks, but performed better with multiple tty terminals running the bash file.