System Administration:
Week 6 Lab

March 13, 2006

1 Logs

1. Take a look at your Apache logs which logs the ip address which tried to acess you server, date and time, and other useful information. Take a look at it and describe its format.

2. Do you see anything suspicous in the logs, like somebody trying to compromise your server.

3. **wget** the file http://pileup.ocf.berkeley.edu:11680/access.log.1 then store it somewhere and describe what you see. Hint: the stuff is not legit.

2 Shell Scripting

1. Write a script that will calculate the difference between two numbers. Hint: **expr** could do mathematical evaluations. Alternatively you could use **bc**.

2. Write a script that will output and store the difference between a file foo.1 and file foo.2 into foo.diff. Create some dummy files and test it. Hint: sed -e 's/foo/bar/g' would replace every occurance of foo with bar.

3. Challenge Write a shell script in bash that will print out an 8 x 8 chessboard on the screen. Hint: echo -e -n "\033[40m" prints a white squre while echo -e -n "\033[47m" prints a black square (in bash).

3 Cron jobs

Pick one of the scripts and create a cron job for it to be executed in 5 minutes. How did create the job and what did you put inside the file? It will probably be easiest for you to use your root account on pileup to complete this.

4   Submission

As always....