6.824 Spring 2015 Paper Questions

For each paper, your assignment is two-fold. By 10PM the evening before lecture:

- Submit your answer for each lecture's paper question via the submission web site, and
- Submit your own question about the paper (e.g., what you find most confusing about the paper or the paper's general context/problem). You cannot use the question below. To the extent possible, during lecture we will try to answer questions submitted the evening before.

You can also upload your questions and answers using curl:

```
## Answer goes into lecN.txt
$ curl -F file=@lec2.txt \
       -F key=XXXXXXXX \
       http://6824.scripts.mit.edu/submit/handin.py/upload
## Question goes into sqN.txt
$ curl -F file=@sq2.txt \
       -F key=XXXXXXXX \
       http://6824.scripts.mit.edu/submit/handin.py/upload
```

Lecture 3

The Remus paper's Figure 6 suggests that less frequent checkpoints can lead to better performance. Of course, checkpointing only every X milliseconds means that up to X milliseconds of work are lost if the primary crashes. Suppose it was OK to lose an entire second of work if the primary crashed. Explain why checkpointing every second would lead to terrible performance if the application running on Remus were a Web server.

Questions or comments regarding 6.824? Send e-mail to 6.824-staff@pdos.csail.mit.edu.

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