

Due to: Oct. 1st , 2013

This homework is not an evaluation, then you get no grade from it!

Systematic Approach for Performance Evaluation

In the class, we have discussed about the steps of the systematic approach for performance evaluation. In a nutshell, we have observed the main steps as: define the study goals, determine the scope of the studied system, plan scenarios, define parameters, factors, metrics, workload and so on. Please, review in the text book entitled “The art of computer system performance analysis” (chapter 2) the systematic approach for performance evaluation and based on that, do:

1. From the literature, select a published paper (the list of recommended conferences and journals from where you can select a paper is presented in the end of this document);
2. Read the paper;
3. Point out:
 - Services;
 - Performance metrics;
 - System parameters;
 - Workload parameters;
 - Factors and their ranges;
 - Evaluation technique;
 - Workload.
4. Prepare a text with your answers. I would like you to present the answers as paragraphs, based on arguments and justifications (explaining why you consider that information as workload, metrics, factors, etc, and why you assume authors employed that information as you pointed out);
5. If you want me to take a look in your text, you must provide it to me by email in PDF format due to Oct. 1st, 2013.

List of conferences and journals

- ACM SIGMETRICS
- IFIP WG 7.3 Performance
- CMG Transactions
- Performance Evaluation Review
- Transactions of the Society for Computer Simulation
- SIAM Journal on Scientific and Statistical Computing
- SIAM Review
- Theory of Probability and Its Applications