

COMP 190-088: Systems Performance Analysis

Project Submission # 2

Due on: 4/1/05

Note: *Please typeset your submission in a font no smaller than 12 pt.*

For the second project submission, you will need to complete the (client) workload generation and (server) measurement instrumentation modules for your project. In addition, you will need to design an experimentation and analysis plan.

Your deliverables are described below:

1. Describe how does your workload generator work, and what workload parameters does it let you configure. Include a sample trace of your workload generation.
2. Describe how your server-instrumentation works and what metrics it lets you compute. Include a sample output of your measurements.
3. Make a detailed experimental plan. What parameters will you vary across experiments (what are the values you'll set these to)? How many times will you run each experiment? Justify all of your choices.
4. Make a detailed analysis plan. How will you analyze your measurement data? Be specific --- what graphs will you plot, what will be their axes, and what do you hope to learn from each analysis.