Report

Assignment 2

Performance Engineering

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Course code: 2DV608

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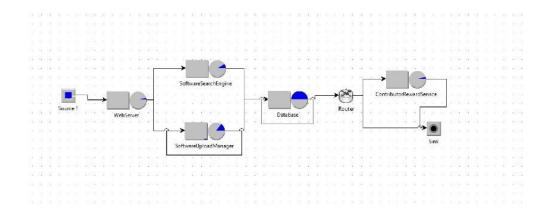
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Appendix

1. Calculate Service Time

CS Scanned with CamScanner

2. Model

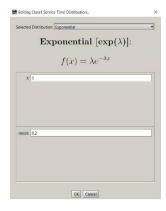


2.1. Service Time

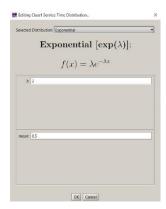
WebServer



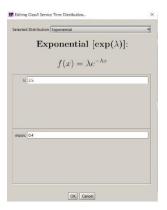
SoftwareSearchEngine



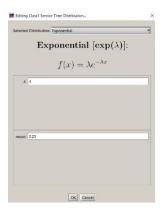
Contributor Reward Service



Software Upload Manager



Database



2.2. Routing Probabilities

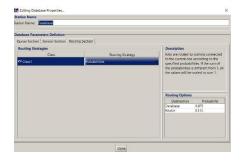
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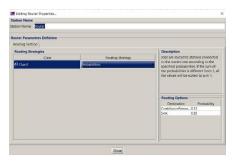
Software Upload Manager



Database

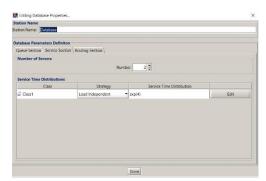


Router

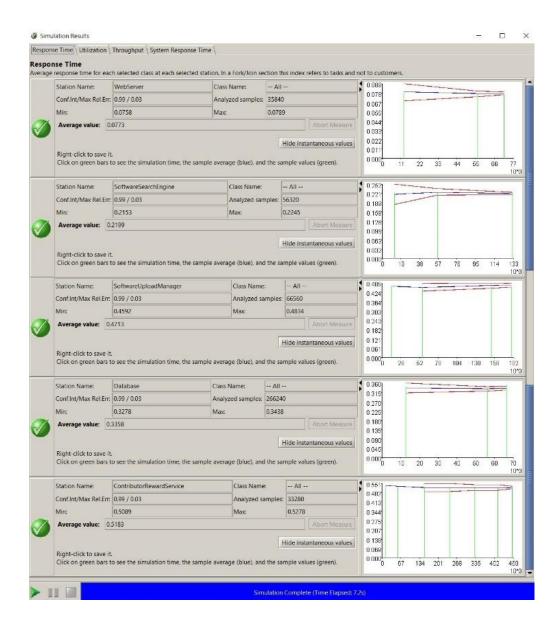


2.3.Resources

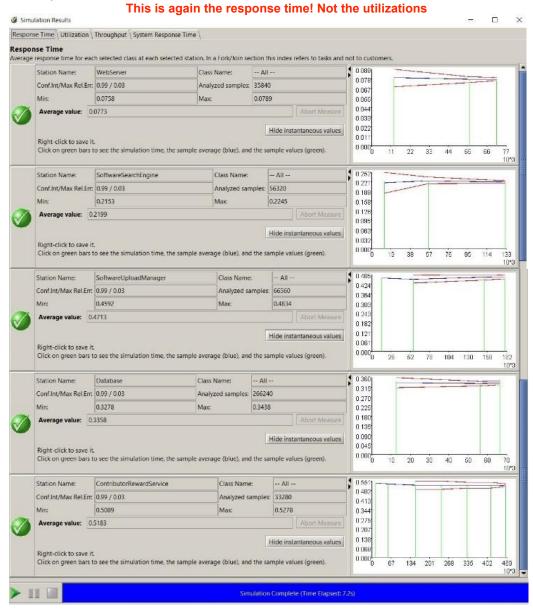
Database



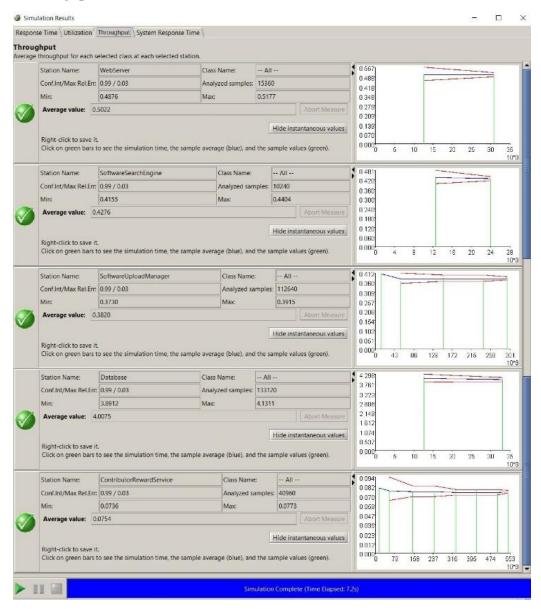
2.4. Response Time



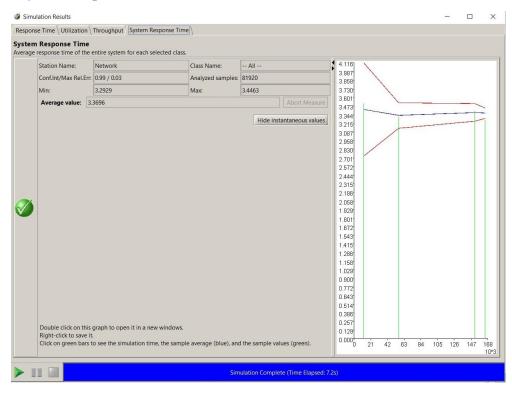
2.5. Utilization



2.6. Throughput

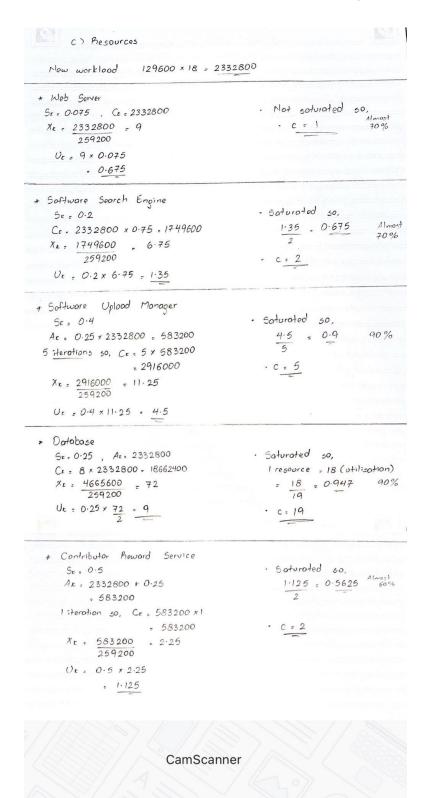


2.7. System Response Time



3. Increasing Resources

Right



3.1. System Response Time

