Distributed Data Transaction of an Apache Web Server using Bulk Service Rule

Abstract

The main theme of this paper is to find the Distributed Data Transaction of an Apache web server using bulk service rule. We obtain the parameter of service rate, Arrival rate, Expected waiting time and Expected Busy period. The inter arrival and inter service of HTTP request is assumed to Poisson Distribution Process (PDP) and these events are considered in the server for process sharing. The total number of requests are processed, there is no time limited to
arrivals. While compared to some models, our model of M/M (1, b)/1 is more efficient to find response and request time in between client and server. This model has been validated through java programming. The performance has been found in the model of M/M (1, b)/1 which fits well to the practical outcome in client and web server.

Reference

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Index Terms

Computer Science  Pattern Recognition
<table>
<thead>
<tr>
<th><strong>Key words</strong></th>
<th>World Wide Web</th>
<th>Web Server</th>
<th>bulk service rule</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>PDP</td>
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</tbody>
</table>