Abstract: Disclosed are methods and systems for processing a workload among a plurality of computing resources that optimizes the processing price per workload. The method includes breaking the workload into two or more tasks each having a size optimized based on (i) a price history of one or more of the plurality of computing resources and (ii) a predicted duration to complete processing of each of the respective tasks; and sending one of the two or more tasks to a computing resource for which the size of the tasks is optimized.

Title: METHOD AND SYSTEM FOR ARBITRAGING COMPUTING RESOURCES IN A CLOUD COMPUTING ENVIRONMENT
A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06F 9/46 (2011.01)
USPC - 718/105
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
USPC: 718/105

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 709/201; 707/E17.032, 966, 971; 718/105 (keyword limited - see terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST (PGPB, USPT, USOC, EPAB, JPAB); GOOGLE; Google Scholar
Search Terms: computing, task, workload, resource, optimize, time, duration, predict, average, change, fluctuation, price, cost, user, cloud, process, profile

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 2002/0120486 A1 (Thompson) 29 August 2002 (29.08.2002), entire document, especially; abstract, para. [0011]-[0015], [0027], [0041], [0046]-[0048]</td>
<td>1 - 21</td>
</tr>
</tbody>
</table>

☐ Further documents are listed in the continuation of Box C.

- Special categories of cited documents:
  - "A" document defining the general state of the art which is not considered to be of particular relevance
  - "E" earlier application or patent but published on or after the international filing date
  - "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
  - "O" document referring to an oral disclosure, use, exhibition or other mean
  - "P" document published prior to the international filing date but later than the priority date claimed
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  - "Z" document member of the same patent family

Date of the actual completion of the international search:
12 October 2011 (12.10.2011)

Date of mailing of the international search report:
27 OCT 2011

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Form PCT/ISA/210 (second sheet) (July 2009)