Abstract: A method and system for backing up data in a computerized network. Each computerized node of the network determining which data blocks are to be backed up, in accordance to their associated relevant files. The nodes provide continuous data protection by storing substantially all modified data blocks. The nodes further provide a variable quality of service for each data block in accordance with predetermined parameters. Backed up data blocks are stored redundantly on several nodes. Data already stored on the node is utilized to minimize required storage space on said node.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(8) - G06F 13/00 (2009.01)
   USPC - 711/162
   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)
   711/162

   Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
   711/100, 111-114, 161

   Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
   DB=PGPB, USPT, EPAB, JPA, Google Scholar
   Terms: backup block, network nodes, storage device, processing unit, computer agent, zero instance module, second data block, write(ing) detection module, static view, quality service, file aware module, trigger(ing) agent, communicate(ing), reading detection module, monitor

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>X</td>
<td>US 2002/0107677 A1 Whiting et al. 08 August 2002 (08.08.2002)</td>
<td>1-32</td>
</tr>
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<td></td>
<td>(Abstract), para [0001], [0008], [0013], [0014], [0016]-[0018], [0033]-[0039], [0040]-[0041], [0042], [0054], [0061]-[0074], [0075]-[0076], [0078], [0081], [0082], [0086], [0089], [0090], [0121], [0126], [0127]-[0128]</td>
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<tr>
<td>A</td>
<td>US 5,212,772 A (Masters) 18 May 1993 (18.05.1993) entire document</td>
<td>1-32</td>
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Date of the actual completion of the international search: 10 March 2009 (10.03.2009)

Date of mailing of the international search report: 23 Mar 2009

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