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Mechanisms for ensuring the integrity of information in distributed computing systems in the long-term period of time

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The article discusses issues of ensuring the integrity of information over a long period of time. This task was not raised earlier. However, experience shows that in the long periods of time in electronic archives there can be an uncontrolled change in information and even its disappearance. Attacks on the integrity of electronic archives can be targeted. This requires the creation of information technology to ensure the integrity of archives. The work is devoted to the mechanism of the integrity of information in the electronic archive by creating a distributed managed trusted environment. This allows you to track the processes, data, user actions and make decisions about the choice of the owners of the archive, restore the archive with a partial loss of information in it and meet attacks on the integrity of the archive.

Keywords: information integrity, electronic archive, long period of time, attack.

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