ABSTRACT

The paper is 111 pages long, contains 40 illustrations and 17 tables. The literature from 20 sources was used in the preparation.

Relevance. In today's world, where the volume of information is endlessly growing, electronic news publishing platforms are becoming an important tool for providing access to up-to-date information. The architecture of such systems plays a key role in ensuring productivity and efficiency. This study aims to determine how the performance of the system will change if certain approaches and solutions aimed at increasing performance are used in its development.

The purpose of the study. Increase the performance of the electronic news publishing system by using methods and solutions aimed at increasing performance.

Research objectives:

– perform an analysis of existing architectural approaches to design, methods of increasing system performance.

– create a conceptual model and structure of the electronic news publishing system and determine the methods and technologies to be used in the implementation.

– develop a prototype of the system and test it to determine the impact of the proposed solutions on the system performance.

Object of research. Architecture of the electronic news publishing system.

Subject of research. Methods for increasing the performance of the architecture of an electronic news publishing system.

The scientific novelty of this study is to improve the system architecture to increase the performance of functioning under high loads.

ARCHITECTURE, SYSTEM FAULT TOLERANCE, SYSTEM PERFORMANCE, SCALABILITY, LOAD TESTING