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INCREASING THE PERFORMANCE OF THE MULTI-AGENT KNOWLEDGE REPRESENTATION AND PROCESSING SYSTEM

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The paper considers methods to improve the performance of multi-agent system of knowledge representation and processing. The approach to the development of system and application software agents is described, the methods of distribution of agents on the nodes of the computing system and construction of the optimal logical structure of a distributed knowledge base are considered. The scheme of management of distributed information-computing resources, including methods of determining the availability of microservices, ensuring reliable and coordinated work of computing nodes is presented.

Keywords: distributed system, multi-agent system, knowledge base, software agents, reinforcement learning, optimization of knowledge base structure

Summary

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