СПИСОК ВИКОРИСТАНИХ ДЖЕРЕЛ

1. Amazon web services [Електронний ресурс] // AWS. – 2024. – Режим доступу до ресурсу: https://aws.amazon.com.
2. Google cloud [Електронний ресурс] // GCP. – 2024. – Режим доступу до ресурсу: https://cloud.google.com.
3. Windows azure [Електронний ресурс] // Azure. – 2024. – Режим доступу до ресурсу: https://www.microsoft.com/azure.
4. Xensource inc [Електронний ресурс] // Xen. - 2024. – Режим доступу до ресурсу: https://www.xensource.com.
5. Christina Delimitrou and Christos Kozyrakis. Quasar: resource-efficient and qos-aware cluster management. // In ACM SIGARCH Computer Architecture News, volume 42 – С. 127–144.
6. Brittany King. FaaS explained. [Електронний ресурс] // Digitalocean. – 2024. – Режим доступу до ресурсу: https://www.digitalocean.com/blog/what-is-faas-function-as-a-service-explained.
7. Michael Ferdman, Almutaz Adileh, Onur Kocberber, Stavros Volos, Mohammad Alisafaee, Djordje Jevdjic, Cansu Kaynak, Adrian Daniel Popescu, Anastasia Ailamaki, and Babak Falsafi. Clearing the clouds: a study of emerging scale-out workloads on modern hardware, 2012 – С. 37-48.
8. Rakibul Hassan. Cloud Computing: Literature Review – С. 5.
9. Andrew D Ferguson, Peter Bodik, Srikanth Kandula, Eric Boutin, and Rodrigo Fonseca. Jockey: guaranteed job latency in data parallel clusters. In Proceedings of the 7th ACM european conference on Computer Systems, 2012 – С. 99–112.
10. Chin-Jung Hsu, Vivek Nair, Vincent W Freeh, and Tim Menzies. Lowlevel augmented bayesian optimization for finding the best cloud vm.
11. Botong Huang, Matthias Boehm, Yuanyuan Tian, Berthold Reinwald, Shirish Tatikonda, and Frederick R Reiss. Resource elasticity for largescale machine

learning. // In Proceedings of the International Conference on Management of Data, ACM, 2015 – C. 137-152.

12. Virajith Jalaparti, Hitesh Ballani, Paolo Costa, Thomas Karagiannis, and Ant Rowstron. Bridging the tenant-provider gap in cloud services. // In Proceedings of the Third ACM Symposium on Cloud Computing, ACM, 2012 – C. 10.
13. Mell, Peter, and Tim Grance. "The NIST definition of cloud computing." (2011)
14. Dejan Novakovi c´, Nedeljko Vasic´, Stanko Novakovic´, Dejan Kostic´, and Ricardo Bianchini. Deepdive: Transparently identifying and man- aging performance interference in virtualized environments. // In Presented as part of the Annual Technical Conference, USENIX, 2013 – C. 219–230.
15. Juwei Shi, Jia Zou, Jiaheng Lu, Zhao Cao, Shiqiang Li, and Chen Wang. Mrtuner: a toolkit to enable holistic optimization for mapreduce jobs. // Proceedings of the VLDB Endowment, 2014.
16. Lingjia Tang, Jason Mars, Neil Vachharajani, Robert Hundt, and Mary Lou Soffa. The impact of memory subsystem resource sharing on datacenter applications. // In ACM SIGARCH Computer Architecture News, ACM, 2011 – C. 283–294.
17. Shivaram Venkataraman, Zongheng Yang, Michael Franklin, Benjamin Recht, and Ion Stoica. Ernest: efficient performance prediction for largescale advanced analytics. // In 13th USENIX Symposium on Networked Systems Design and Implementation, 2016 – C. 363–378.
18. R Clint Whaley, Antoine Petitet, and Jack J Dongarra. Automated empirical optimizations of software and the atlas project. Parallel computing, 2001.
19. Neeraja J Yadwadkar, Bharath Hariharan, Joseph E Gonzalez, Burton Smith, and Randy H Katz. Selecting the best vm across multiple public clouds: a data-driven performance modeling approach. // In Proceedings of the Symposium on Cloud Computing, ACM, 2017 – C. 452–465.
20. Makrani, Hosein Mohammadi. Evaluation of software-based faulttolerant techniques on embedded OS’s components. // Proceedings of the International Conference on Dependability, 2014.

21. Makrani, Hosein Mohammadi. Energy-aware and Machine Learningbased Resource Provisioning of In-Memory Analytics on Cloud, 2018.
22. Ishizaka A., Nemery P. Multi-Criteria Decision Analysis, 2013.
23. Malik, Maria, Dean M. Tullsen, and Houman Homayoun. Co-Locating and concurrent fine-tuning MapReduce applications on microservers for energy efficiency. // International Symposium on Workload Characterization (IISWC), IEEE, 2017.
24. Topsis MCDA method [Електронний ресурс] // Wikipedia. – 2024. – Режим доступу до ресурсу: https://en.wikipedia.org/wiki/TOPSIS.
25. Sayadi, Hossein. Power conversion efficiency-aware mapping of multithreaded applications on heterogeneous architectures: A comprehensive parameter tuning. // Asia and South Pacific Design Automation Conference, IEEE, 2018.
26. Makrani, Hosein Mohammadi. Understanding the role of memory subsystem on performance and energy-efficiency of Hadoop applications. // Eighth International Green and Sustainable Computing Conference (IGSC), IEEE, 2017.
27. VIKOR MCDA method. [Електронний ресурс] // Wikipedia. – 2024. – Режим доступу до ресурсу: https://en.wikipedia.org/wiki/VIKOR_method.
28. Ishizaka, A., Nemery, P. Multi-Criteria Decision Analysis: Methods and Software, 2013.
29. Watróbski, J., Jankowski, J., Ziemba, P.; Karczmarczyk, A., Zioło, M. Generalised framework for multi-criteria method selection, 2019 – C. 107-124.
30. Opricovi´c, S. Multicriteria Optimization of Civil Engineering Systems. Ph.D. Thesis, Faculty of Civil Engineering, University of Belgrade, Beograd, Serbia, 1998.
31. Opricovic, S., Tzeng, G.H. Compromise solution by MCDM methods: A comparative analysis of VIKOR and TOPSIS, 2004 – C. 156, 445–455.