

REFERENCES

- [1] A. Rashid and A. Chaturvedi, "Cloud computing characteristics and services a brief review," *International Journal of Computer Sciences and Engineering*, vol. 7, pp. 421–426, 2019.
- [2] K. M. Bandaranayake, K. P. Jayasena, and B. T. Kumara, "Treta-a novel heuristic based workflow scheduling algorithm in cloud environment." Institute of Electrical and Electronics Engineers Inc., 11 2020, pp. 363–368.
- [3] K. P. Jayasena, K. M. Bandaranayake, and B. T. Kumara, "Treta - a novel heuristic based efficient task scheduling algorithm in cloud environment," vol. 2020-November. Institute of Electrical and Electronics Engineers Inc., 11 2020, pp. 812–817.
- [4] K. Bandaranayake, K. Jayasena, and B. T. G. S. Kumara, "An efficient task scheduling algorithm using total resource execution time aware algorithm in cloud computing," in *2020 IEEE International Conference on Smart Cloud (SmartCloud)*, 2020, pp. 29–34.
- [5] N. Kratzke, "A brief history of cloud application architectures," *Applied Sciences (Switzerland)*, vol. 8, pp. 1–26, 2018.
- [6] K. Kaur, "A review of cloud computing service models," *International Journal of Computer Applications*, vol. 140, pp. 15–18, 2016.
- [7] F. Nzanywayingoma and Y. Yang, "Efficient resource management techniques in cloud computing environment: Review and discussion," *Telkomnika (Telecommunication Computing Electronics and Control)*, vol. 15, pp. 1917–1933, 2017.
- [8] B. Jennings and R. Stadler, "Resource management in clouds: Survey and research challenges," *Journal of Network and Systems Management*, vol. 23, pp. 567–619, 2015.
- [9] R. Kaur and A. Kaur, "A review paper on various task scheduling algorithms in cloud computing," *International Journal of Advanced Research in Computer Science and Software Engineering*, vol. 7, pp. 775–780, 2017.
- [10] S. Shahdi-Pashaki, E. Teymourian, V. Kayvanfar, and K. M. Alizadeh, "Resource management for workflows in cloud computing environment based on group technology approach," *Proceedings of the International Conference on Industrial Engineering and Operations Management*, vol. 8-10 March, p. 701, 2016.

- [11] A. Guasque, H. Tohidi, P. Balbastre, J. M. Aceituno, J. Simó, and A. Crespo, “Integer programming techniques for static scheduling of hard real-time systems,” *IEEE Access*, vol. 8, pp. 170 389–170 403, 2020.
- [12] N. U. of Singapore, I. of Electrical, and E. Engineers, *ICIEA 2018 : 2018 5th International Conference on Industrial Engineering and Applications : April 26-28, 2018, Singapore*.
- [13] C. Fehling, F. Leymann, R. Retter, D. Schumm, and W. Schupeck, “An architectural pattern language of cloud-based applications,” *ACM International Conference Proceeding Series*, 2011.
- [14] W. Chen and E. Deelman, “Workflowsim: A toolkit for simulating scientific workflows in distributed environments,” *2012 IEEE 8th International Conference on E-Science, e-Science 2012*, 2012.
- [15] J. Agarkhed and R. Ashalatha, “Optimal workflow scheduling for scientific workflows in cloud computing,” *Proceedings of IEEE International Conference on Emerging Technological Trends in Computing, Communications and Electrical Engineering, ICETT 2016*, pp. 1–6, 2017.
- [16] J. Zhou, C. Sun, W. Fu, J. Liu, L. Jia, and H. Tan, “Modeling, design, and implementation of a cloud workflow engine based on aneka,” *Journal of Applied Mathematics*, vol. 2014, 2014.
- [17] A. J and T. J. Naughton, “Dynamic task scheduling using genetic algorithms for heterogeneous distributed computing,” 2005.
- [18] Y. T. H. Hlaing and T. T. Yee, “Static independent task scheduling on virtualized servers in cloud computing environment,” *2019 International Conference on Advanced Information Technologies, ICAIT 2019*, pp. 55–59, 2019.
- [19] Y. Li, S. Wang, X. Hong, and Y. Li, “Multi-objective task scheduling optimization in cloud computing based on genetic algorithm and differential evolution algorithm,” in *2018 37th Chinese Control Conference (CCC)*, 2018, pp. 4489–4494.
- [20] C. Zhou and S. K. Garg, “Performance analysis of scheduling algorithms for dynamic workflow applications,” *Proceedings - 2015 IEEE International Congress on Big Data, BigData Congress 2015*, pp. 222–229, 2015.
- [21] Y. Shi, K. Suo, J. Hodge, D. P. Mohandoss, and S. Kemp, “Towards optimizing task scheduling process in cloud environment.” Institute of Electrical and Electronics Engineers Inc., 1 2021, pp. 81–87.

- [22] Z. Li, J. Ge, H. Hu, W. Song, H. Hu, and B. Luo, "Cost and energy aware scheduling algorithm for scientific workflows with deadline constraint in clouds," *IEEE Transactions on Services Computing*, vol. 11, pp. 713–726, 7 2018.
- [23] R. Gulbaz, A. B. Siddiqui, N. Anjum, A. A. Alotaibi, T. Althobaiti, and N. Ramzan, "Balancer genetic algorithm-a novel task scheduling optimization approach in cloud computing," 2021. [Online]. Available: <https://doi.org/10.3390/app>
- [24] P. Pirozmand, A. A. R. Hosseinabadi, M. Farrokhzad, M. Sadeghilalimi, S. Mirkamali, and A. Slowik, "Multi-objective hybrid genetic algorithm for task scheduling problem in cloud computing," *Neural Computing and Applications*, vol. 33, pp. 13 075–13 088, 10 2021.
- [25] M. Tahir and M. Sardaraz, "A parallel multi-objective genetic algorithm for scheduling scientific workflows in cloud computing," *International Journal of Distributed Sensor Networks*, vol. 16, p. 2020, 08 2020.
- [26] M. Sardaraz and M. Tahir, "A parallel multi-objective genetic algorithm for scheduling scientific workflows in cloud computing," *International Journal of Distributed Sensor Networks*, vol. 16, 8 2020.
- [27] Y. Gao, S. Zhang, and J. Zhou, "A hybrid algorithm for multi-objective scientific workflow scheduling in iaas cloud," *IEEE Access*, vol. 7, pp. 125 783–125 795, 2019.
- [28] G. Gupta and N. Mangla, "Trust aware multi-objective metaheuristics for workflow scheduling in cloud computing." Institute of Electrical and Electronics Engineers Inc., 2022, pp. 602–609.
- [29] R. Calheiros, R. Ranjan, A. Beloglazov, C. De Rose, and R. Buyya, "Cloudsim: A toolkit for modeling and simulation of cloud computing environments and evaluation of resource provisioning algorithms," *Software Practice and Experience*, vol. 41, pp. 23–50, 01 2011.
- [30] I. Attiya, M. A. Elaziz, and S. Xiong, "Job scheduling in cloud computing using a modified harris hawks optimization and simulated annealing algorithm," *Computational Intelligence and Neuroscience*, vol. 2020, 2020.