SCC: Project

Approach Design

# General details

Topic: Multi-objective task scheduling system

Strategy: MOHEFT [1]

Workflow: Custom

Objectives: makespan & cost

# diagram Overview of approach



# Workflow Overview



# Evaluation

1. Calculate optimal solution (feasible due to small problem)
2. Use genetic algorithm to compute approximated solutions
3. Compare solutions from different runs with hypervolume
4. Evaluate distance between best approximation and optimum

# References

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| [1] | J. Durillo and R. Prodan, “Multi-objective workflow scheduling in Amazon EC2,” *Cluster computing,* vol. 17, no. 2, pp. 169--189, 2014. |