

C++ currently lacks a standard package manager. While two projects competing for dominance exist, the most popular dependency management method is still to manage the packages manually. Although some progress has been made towards establishing a shared solution, most of the projects aimed at resolving the issue have resulted in ecosystem fragmentation. To address this issue, we developed a package meta-manager to expand on the progress while avoiding extra fragmentation. The project unifies the best features of multiple managers by integrating them under one interface. We define the subset of the project dealing with dependency resolution as a formal model. We also employ a full SAT solver to explore a solution for complete dependency resolution.