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# Managing Dynamic Workflows in BEE

The BEE Workflow Engine is a tool to manage and execute workflows on HPC systems.

Workflows written in Common Workflow Language (CWL) are parsed by BEE, stored in a Neo4j graph database, and may then be executed using a workload manager such as Slurm. The challenge of managing these workflows, however, is that they may include steps which have a number of input dependencies (i.e., files) unknown prior to execution. In order to support as much of the CWL specification as possible, BEE must be able to handle this complexity. The way BEE represents and manages workflows is evolving to tackle this problem as well as to improve how workflows are visualized.