WorkflowSim is an open source workflow simulator that extends CloudSim \cite{calheiros2011cloudsim} by providing a workflow level support of simulation. It models workflows with a DAG model with support an elaborate model of node failures, a model of delays occurring in the various levels of the WMS stack \cite{chen2011workflow}, and the implementations of several most popular dynamic and static workflow schedulers (e.g., HEFT, Min-Min) and task clustering algorithms (e.g., runtime-based algorithms, data-oriented algorithms and fault tolerant clustering algorithms). Parameters are directly learned from traces of real executions. The appearance of WorkflowSim has attracted a wide attention in the Grid and Cloud communities \cite{velho2013validity,guerout2013energy,bux2013dynamiccloudsim, prajapati2014scheduling,zhou2013probabilistic,calheiros2013meeting,jrad2013broker}. It has been recently used in multiple workflow study areas such as fault tolerant clustering \cite{chen2012fault}, balanced task clustering \cite{chen2013balanced}, cloud brokers \cite{jrad2013broker}, energy aware scheduling, cost-oriented scheduling and so on.

To access WorkflowSim, please visit: <https://github.com/WorkflowSim/>