Application
(what you test)

- Actors (C/C++/Java)
- MPI Legacy Code
- Offline Traces
- Centralized Algo

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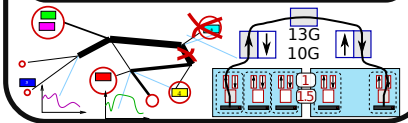
Experimental Setup

Virtual Platform
- Components
  CPU, Links, Disks
- Routing Paths
- External Events

App Deployment

Configuration

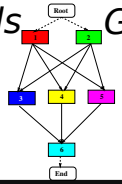


Domains

HPC *Clouds* *Grids*

Workflows *P2P*

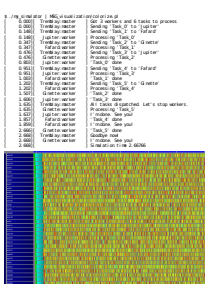
Scheduling



Simulation

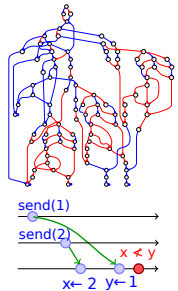
Models
- Raw Perf.
  Time, Energy
- Contention
- Collectives

Plugins
Your code deep inside
- Signals
- Extensions



Model Checking

Property
- Safety
- Liveness
- Patterns

Reduction
- DPOR
- State Equality

(highly experimental)