Cluster Grid based Response-time analysis module for the PIPE Tool

Response-time analysis on the Web

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Harini Kulatunga  Ashok Argent-Katwala  William Knottenbelt

Email: {hkulatun, ashok, wjk}@doc.ic.ac.uk
Aims

- to allow access to Grid computational resources
- to provide additional analytic capabilities for the PIPE2 tool:
  - extra functionality – response-time analysis
  - scalability – handling large models
- to gather and publish models, measures and results openly on the Web
Overview

Model in PIPE

Specify measure & send to PerformDB

View result on PerformDB
Model in PIPE
Specify measurement
Submit to PerformDB
Job submission & calculation
View results on PerformDB

Result #1

Added at 12:43 BST, 12th June 2007
Contributed by bot on behalf of ashok
Produced using HYDKA (running on GRAIL cluster)

Passage time measure

Download result:
- Raw data
- SVG graph
- PNG graph
- EPS graph

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Next steps

- Package module into PIPE distribution
- Allow more model types to be analysed using the same pipeline (e.g. PEPA models via ipc)
- Allow richer analysis to be performed
- User interface improvements
- Utilise other Grid resources
Thank you.

**PIPE tool**  [http://pipe2.sf.net/](http://pipe2.sf.net/)

**Hydra**  [http://aesop.doc.ic.ac.uk/tools/hydra/](http://aesop.doc.ic.ac.uk/tools/hydra/)

**PerformDB**  [http://performdb.org/](http://performdb.org/)