Failure Management in Grids

FORTH, UCY, INFN

Crete, June 2007
Main results

• A generic framework (called FAILRANK) for managing failures on a Grid has been developed

• Construction of a 38GB dataset for failures on EGEE grid (one month)

• Evaluation of the framework
  – Using the dataset

• Prototype under development
Work so far

Papers:

Technical Reports:
2. K. Neocleous, M. D. Dikaiakos, P. Fragopoulou and E. Markatos, "Failure Management in Grids: The Case of the EGEE Infrastructure." CoreGRID Technical Report TR0055
Talks:

12 June 2007: “FAILRANK: Towards a unified Grid failure monitoring and ranking system”, CoreGrid Workshop

26 May, 2007: "Grid Technologies for Computational Research" presented by Marios Dikaiakos at The ECCO XX Conference, Amathus Beach Hotel, Limassol, Cyprus

20 March, 2007: "Top-K Algorithms - Concepts and Applications" talk by Demetris Zeinalipour, University of Cyprus
Future work

• Completion of prototype development

• Integration of the prototype with EGEE resource broker

• Empirical Evaluation of the Integrated System