ServMark: A Distributed Grid and Services Testing Framework

• **Incubator ProtoProject**

• **Allows**
  – Testing different parts of the Globus Toolkit™ v.3/v.4, e.g., MDS, GridFTP, pre–WS GRAM and WS GRAM;
  – Testing new (Globus) services developed by end-users, e.g., DI-GRUBER, Koala;
  – Functionality testing and system tuning, e.g., Koala, The Distributed ASCI Supercomputer (DAS).

• **Successfully deployed in**
  – Environments where the Globus Toolkit™ is deployed, e.g., Grid3, TeraGrid, DAS, CS@UChicago cluster;
  – Other large-scale environments, e.g., PlanetLab.

http://dev.globus.org/wiki/Incubator/ServMark
ServMark Importance

- Test Suite for Services deployed in large-scale environments (Grids)
- Blends DiPerF and GrenchMark, two Grid performance evaluation tools.
- Tackles two orthogonal issues in Grid performance evaluation:
  - Multi-sourced testing (multi-user scenarios, scalability)
  - Generate and run dynamic test workloads with complex structures (real-world scenarios, flexibility)

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