Benchmarking Work Group (BWG) under OpenSFS

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Co-chair BWG
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Mission Statement
The OpenSFS Benchmarking Work Group (BWG) aims to define an I/O benchmark suite that satisfies the benchmarking requirements of scalable parallel file system community. The workgroup will characterize the I/O workloads and will then collect and build the required I/O benchmarks that best emulate these workloads.

Members Community
Sarp Oral Oak Ridge National Labs (ORNL) Co-Chair oralhs@ornl.gov
Richard Vanderbilt Netapp Co-Chair richard.vanderbilt@netapp.com
• 86 Members and growing
  • 14 Storage companies
  • 11 Universities
  • 5 Government Labs
  • 4 Lustre Organizations, & Independent Industry Organizations
• 37 Attendees at BWG workshop LUG 2012

Openbenchmark mailing list
Openbenchmark@lists.opensfs.org
http://lists.opensfs.org/listinfo.cgi/openbenchmark-opensfs.org

* Business Case rating 1-5 (5 being highest)
Benchmarking Work Group Phases

Phase 1 Data Collection
- Produce a survey/questionnaire
- Create a standard dictionary of terms

Phase 2 Data Analysis
- Data Collection and Analysis
  - Bgw-survey-data@opensfs.org
- Characterize the workloads into market segments
- Use OpenSFS as a repository for data collected

Phase 3 Benchmark Recommendations
- Recommend I/O generation tools specific to those workloads
- Develop procedures and usage guidelines for each tool
- Develop a Bibliography of published works

* Business Case rating 1-5 (5 being highest)
Call To Action

Survey Participants Wanted

The BWG will be producing a survey for the HPFS community with a focus on Lustre. The Survey will be distributed through the OpenSFS reflectors and discussion groups.

• The Survey data can be anonymous
• All fields are voluntary, contribute what data you can
• If you have questions, the BWG can assist in helping you through the process

The Benefit to You

• The BWG will send you a list of I/O generation tools that best match your I/O workloads
• Match your workloads with other members in the community (optional)
• Provide an open and standard method for testing your workloads to make more informed business decisions

* Business Case rating 1-5 (5 being highest)
Thank You