What's New with DiskSpd, Microsoft’s Storage Performance Tool for Windows

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Agenda

- Introduction to the DiskSpd project
- Overview of the newer features in DiskSpd
- Using the Windows Performance Analyzer
- Tracing DiskSpd activity in Windows
Introduction to the project

- Hosted on GitHub at https://github.com/Microsoft/diskspd
- Initial commit on September 14, 2014
  - Started with 2.0.11, current 2.0.21
- 64 commits in master, 47 issues
Overview of the newer features

- 2.0.21a
  - Support for memory mapped I/O
  - Event Tracing for Windows (ETW) provider
- 2.0.20a
  - Performance benefits
  - XML profile validation
Demonstration
New DiskSpd command-line options
Windows Performance Analyzer

- Included in the Windows Assessment and Deployment Kit (Windows ADK)
- Creates graphs and data tables of ETW events that are recorded by the Windows Performance Recorder (WPR)
Demonstration
Tracing DiskSpd I/Os in a Windows environment