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# **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



