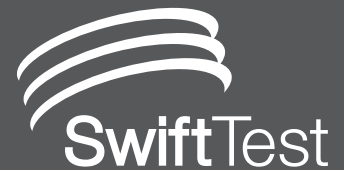


# What's New: v2.0



We are excited about the latest 2.0 release of SwiftTest's product suite!  
Read the details below for the latest features and benefits.

Feature Name	Function	Benefit
PERFORMANCE ENHANCEMENTS		
Events (i.e. collision or concurrency testing)	Events cause multiple scenarios to execute nearly simultaneously by triggering coordinated actions between scenarios within 10 microsecond resolution	Ensures users can test features like file locking and notification mechanisms when multiple users act on a file or directory at the same time
Writing with combined data types	Enables data with varying suitability for compression and de-duplication to be written to a file system	Benchmarks performance while heavily exercising caches, compression and de-duplication software
Reading with data verification	Reads data previously written to a file system and verifies data. Reports any data errors, including file name or LUN, correct and incorrect data.	Validates file system implementation by ensuring data integrity is maintained, especially under stress

Feature Name	Function	Benefit
FASTER ERROR IDENTIFICATION		
Enhanced test execution rules	New test execution rules identify more warning and error conditions. Simplified configuration as conditions are grouped into similar types.	Faster error identification due to more granular error reporting, especially when testing is performed through automation
Tracing enhancements	Circular tracing buffer captures packets up to the specified trace buffer size and then overwrites from the beginning of the trace buffer	Faster error identification due to the ability to (1) pinpoint where the error occurred, (2) halt a trace to ensure that the error is fully captured, and (3) provide improved error logging during a test

## What's New, continued...

Feature Name	Function	Benefit
<b>USABILITY ENHANCEMENTS</b>		
Writing with seeded random data	Writes random data patterns in write requests. Random data is seeded, i.e. the random pattern can later be repeated.	Significant usability improvement when testing de-duplication. Seeding random data makes it easy to re-test when an error occurs.
Enhanced automation capability	New API and sample scripts simplify the process of incorporating SwiftTest projects into customer test harnesses	Improved usability with integration flexibility and sample scripts
New functions (@SCENARIOCOUNTER, @LOOPINDEX, @LOOPTOTAL and @VARIABLE)	New functions provide counters and variable storage within scenarios	Provides better user experience as test creation is simplified and accelerated as well as a reduced need for user parameter files.
TDE enhancements	Test generation is simplified with new protocol commands, scenario control actions, and timeline enhancements	Improves product usability