

WBmerge Performance Test – Large

Last Updated – 2/16/2019

Test Hardware:

Microsoft Surface Pro 3 - Windows 10 Pro Version 1809 (OS Build 17763.292)

- Intel Core i5-4300U @1.9 GHz (2 Physical Cores + Hyperthreading)
- 8 GB LPDDR3 1600 MHz RAM
- 256 GB SSD Drive

Test Scenario:

WBmerge Version – 1.4.0.0
Strict Worksheet Import = True
Copy Number Formatting = True
Results Shading = True

100 identical test workbooks were selected for merge. All worksheets and columns were selected for merge.

Test Workbook Structure - File Size - 707 KB (724,804 bytes)

Worksheet Name	Rows	Columns	Data Cells
Pivot Sales	51	2	102
Sales	2000	5	10000
Sales Detail	10000	5	50000
Sales By Seller	51	2	102
Products	10	8	80
Customers	500	5	2500
Totals	12612	27	62784

Test Results:

All 100 test workbooks were merged into a new workbook in three minutes and fifteen seconds. Below is an excerpt from the WBmerge Results Window. 1,261,200 data rows were written from the source workbooks. There were 7,542,057 total data cells written into the new workbook.

Merged Workbook File Size - 36.3 MB (38,160,089 bytes)

Average Data Row Write Rate – 6,435 Rows Per Second

Average Data Cell Write Rate – 38,480 Cells Per Second

End Merge File Validation Results =====

Total Files Validated - 100

Total Files Passed Validation - 100

Total Files Failed Validation - 0

Begin Merge Results by Worksheet =====

Total Data Rows Written to Worksheet = "Pivot Sales" = 5100

Total Data Rows Written to Worksheet = "Sales" = 200000

Total Data Rows Written to Worksheet = "Sales Detail" = 1000000

Total Data Rows Written to Worksheet = "Sales By Seller" = 5100

Total Data Rows Written to Worksheet = "Products" = 1000

Total Data Rows Written to Worksheet = "Customers" = 50000

Total Rows Written = 1261200

End Merge Results by Worksheet =====

Begin Merge Results by Data Cells =====

Total Data Cells Written = 7542057 (Including the WBmerge-Results Worksheet and WBerge-Keys)

End Merge Results by Data Cells =====

Merge Process Completed with No Errors

Merge Completed Successfully on all Workbooks

Merge Process Total Elapsed Time - 00:03:16

Merge Process Ended at 02/16/2019 2:33 PM

Screen shot of CPUs from Performance Monitor. Note, that all four (4) cores were utilized during the merge process.

