

operandi_benchmarking

Used workspace metadata				
	ID	Font	Year	
VD16 – 169 pages	urn:nbn:de:gbv:3:1-326439	Mix	1595	
VD17 – 32 pages	urn:nbn:de:bsz:14-db-id3272770845	Mix	1604	
VD18 – 140 pages	PPN1023134829	Fraktur	1743	
VD18A – 85 pages	PPN63511240X	Antiqua	1763	
VD18F – 81 pages	PPN841193452	Fraktur	1666	

Default Workflow – Manually checked accuracy			
Word accuracy	Page 9	Page 19	Page 29
VD16 – 169 pages	67.32%	88.48%	89.60%
VD17 – 32 pages	94.32%	87.72%	87.26%
VD18 – 140 pages	95.29%	97.41%	94.44%

All results in the tables below are produced with process forks == CPUs + mets file caching

Used abbreviations:

- Total Time – Default Workflow total execution time for the entire workspace
- Page Time – Default Workflow average execution time per page of the specified workspace
- DW – Default Workflow in this repository
- OW – Odem Workflow in this repository
- SBBW – Staatsbibliothek zu Berlin Workflow in this repository

VD16 – Pages 169						
NO Mets Server						
RAM:	32GB			64GB	128 GB	256 GB
CPU:	1 CPU	2 CPU	4 CPU	8 CPU	16 CPU	32 CPU
DW Total Time	2h 36m 36s	2h 06m 30s	1h 11m 40s	42m 3s	25m 58s	14m 18s
DW Page Time	55.598s	44.911s	25.444s	14.929s	9.219s	5.077s
OW Total Time	1h 29m 3s	1h 05m 35s	36m 22s	19m 48s	12m 56s	9m 23s
OW Page Time	31.615s	23.284s	12.911s	7.030s	4.592s	3.331s
SBBW Total Time	21m 46s	16m 32s	9m 8s	5m 6s	3m 16s	3m 10s
SBBW Page Time	7.728s	5.870s	3.243s	1.811s	1.160s	1.124s
With Mets Server						
DW Total Time	2h 36m 51s	2h 11m 15s	1h 12m 1s	42m 53s	29m 25s	20m 12s
DW Page Time	55.686s	46.598s	25.568s	15.225s	10.444s	7.172s
OW Total Time	1h 34m 13s	1h 17m 25s	46m 40s	30m 48s	17m 9s	13m 23s
OW Page Time	33.450s	27.485s	16.568s	10.935s	6.089s	4.751s
SBBW Total Time	21m 50s	16m 33s	8m 38s	4m 30s	2m 24s	1m 26s
SBBW Page Time	7.751s	5.876s	3.065s	1.598s	0.852s	0.509s

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VD17 – Pages 32						
NO Mets Server						
RAM:	32GB			64GB	128 GB	256 GB
CPU:	1 CPU	2 CPU	4 CPU	8 CPU	16 CPU	32 CPU
DW Total Time	2h 06m 10s	1h 49m 17s	56m 2s	30m 36s	16m 44s	10m 46s
DW Page Time	3m 56.563s	3m 24.906s	1m 45.063s	57.375s	31.375s	20.188s
OW Total Time	31m 37s	25m 8s	15m 2s	9m 18s	5m 36s	4m 46s
OW Page Time	59.281s	47.125s	28.188s	17.438s	10.500s	8.938s
SBBW Total Time	5m 38s	4m 21s	2m 26s	1m 39s	1m 38s	2m 21s
SBBW Page Time	10.563s	8.156s	4.563s	3.094s	3.063s	4.406s
With Mets Server						
DW Total Time	1h 58m 44s	1h 45m 50s	1h 01m 35s	38m 5s	17m 30s	11m 45s
DW Page Time	3m 42.625s	3m 18.438s	1m 55.469s	1m 11.406s	32.813s	22.031s
OW Total Time	38m 5s	26m 30s	22m 35s	15m 25s	5m 48s	4m 36s
OW Page Time	1m 11.406s	49.688s	42.344s	28.906s	10.875s	8.625s
SBBW Total Time	5m 6s	4m 4s	2m 13s	1m 15s	46.8s	32.7s
SBBW Page Time	9.563s	7.625s	4.156s	2.344s	1.463s	1.022s

VD18 – Pages 140						
NO Mets Server						
RAM:	32GB			64GB	128 GB	256 GB
CPU:	1 CPU	2 CPU	4 CPU	8 CPU	16 CPU	32 CPU
DW Total Time	1h 20m 47s	1h 06m 54s	35m 48s	19m 47s	12m 15s	8m 51s
DW Page Time	34.621s	28.671s	15.343s	8.479s	5.250s	3.793s
OW Total Time	1h 00m 36s	46m 49s	23m 11s	12m 22s	8m 9s	6m 56s
OW Page Time	25.971s	20.064s	9.936s	5.300s	3.493s	2.971s
SBBW Total Time	13m 26s	10m 41s	5m 47s	3m 22s	2m 38s	2m 44s
SBBW Page Time	5.757s	4.579s	2.479s	1.443s	1.129s	1.171s
With Mets Server						
DW Total Time	1h 21m 53s	1h 10m 8s	37m 2s	22m 15s	14m 58s	10m 48s
DW Page Time	35.093s	30.057s	15.871s	9.536s	6.414s	4.629s
OW Total Time	53m 56s	45m 25s	24m 49s	14m 58s	10m 43s	8m 51s
OW Page Time	23.114s	19.464s	10.636s	6.414s	4.593s	3.793s
SBBW Total Time	13m 26s	10m 38s	5m 30s	2m 59s	1m 36s	59.6s
SBBW Page Time	5.757s	4.557s	2.357s	1.279s	0.686s	0.426s

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VD18A – Pages 85						
NO Mets Server						
RAM:	32GB			64GB	128 GB	256 GB
CPU:	1 CPU	2 CPU	4 CPU	8 CPU	16 CPU	32 CPU
DW Total Time	52m 12s	45m 56s	25m 13s	16m 4s	10m 42s	7m 36s
DW Page Time	36.847s	32.424s	17.800s	11.341s	7.553s	5.365s
OW Total Time	17m 59s	15m 57s	8m 48s	5m 41s	4m 29s	4m 35s
OW Page Time	12.694s	11.259s	6.212s	4.012s	3.165s	3.235s
SBBW Total Time	4m 52s	4m 1s	2m 20s	1m 29s	1m 26s	2m 12s
SBBW Page Time	3.435s	2.835s	1.647s	1.047s	1.012s	1.553s
With Mets Server						
DW Total Time	51m 55s	46m 59s	27m 49s	21m 51s	10m 51s	8m 14s
DW Page Time	36.647s	33.165s	19.635s	15.424s	7.659s	5.812s
OW Total Time	20m 22s	17m 18s	9m 50s	6m 25s	4m 37s	3m 57s
OW Page Time	14.376s	12.212s	6.941s	4.529s	3.259s	2.788s
SBBW Total Time	4m 37s	3m 46s	2m 19s	1m 18s	49.8s	33s
SBBW Page Time	3.259s	2.659s	1.635s	0.918s	0.586s	0.388s

VD18F – Pages 81						
NO Mets Server						
RAM:	32GB			64GB	128 GB	256 GB
CPU:	1 CPU	2 CPU	4 CPU	8 CPU	16 CPU	32 CPU
DW Total Time	54m 24s	47m 48s	26m 16s	13m	7m 59s	6m 18s
DW Page Time	40.296s	35.407s	19.457s	9.630s	5.914s	4.667s
OW Total Time	30m 30s	23m 54s	13m 43s	7m 41s	5m 33s	5m 16s
OW Page Time	22.593s	17.704s	10.160s	5.691s	4.111s	3.901s
SBBW Total Time	9m 47s	7m 59s	4m 14s	2m 35s	2m 11s	2m 30s
SBBW Page Time	7.247s	5.914s	3.136s	1.914s	1.617s	1.852s
With Mets Server						
DW Total Time	51m 38s	46m 2s	22m 40s	15m 14s	8m 59s	6m 21s
DW Page Time	38.247s	34.099s	16.790s	11.284s	6.654s	4.704s
OW Total Time	31m 1s	26m 18s	14m 10s	8m 51s	5m 56s	4m 40s
OW Page Time	22.975s	19.481s	10.494s	6.556s	4.395s	3.457s
SBBW Total Time	9m 39s	7m 51s	4m 14s	2m 12s	1m 18s	50.6s
SBBW Page Time	7.148s	5.815s	3.136s	1.630s	0.963s	0.625s