The ✓ signifies, that a case has no data race and would pass a data race check.
The ✗ signifies, that a case has a data race and would not pass a data race check.

1 Categorised for Coverd Hazard Type

	MPI		Open-SHMEM		NV-SHMEM		Hybrid	
The (potential) data race occurs ...	✓	✗	✓	✗	✓	✗	✓	✗
... due to a dirty read initialised on the same rank	-	1	-	2	-	3	-	-
... due to a dirty write initialised on the same rank	-	4	-	5	-	6	7	8
... due to a dirty read initialised on different ranks	-	9	-	10	-	11	-	-
... due to a dirty write initialised on different ranks	-	12	-	13	-	14	-	-
... while using lock-unlock style synchronisation	15	16	17	18	19	20	-	-
... while using wait style synchronisation	21	22	23	24	25	26	-	-
... while using collective style synchronisation	27	28	29	30	31	32	-	-
... with the sync being dependant on a handle	33	34	35	36	37	38	-	-
... using P2P communication	39	40	-	-	-	-	-	-
... using collective communication	41	42	-	-	-	-	-	-
... using RMA communication	43	44	45	46	47	48	-	-
... using custom datatypes	49	50	-	-	-	-	-	-
... using operations with atomicity guarantees	51	52	53	54	55	56	-	-
... using inter- & intra-node-parallelism (e.g. OpenMP)	57	58	59	60	61	62	-	-
... in nested function calls	63	64	65	66	67	68	-	-
... in a recursive function call	69	70	-	-	-	-	-	-
... in a function called by a pointer	71	72	73	74	75	76	-	-
... on an aliased memory region.	77	78	79	80	81	82	-	-
... due to the sync not applying to the affected memory	-	-	-	-	83	84	-	-
... with comm relevant handles stored in lists	85	86	-	-	-	-	-	-
... using multiple syncs on different memory regions	87	88	-	-	89	90	-	-
... using (non-)overlapping regions of the same array	91	-	92	-	-	-	-	-
... in a proxy app	93	-	94	-	-	-	-	-

1. `MBB/level1/COLL/LocalConcurrency-mpi_iallreduce-001.c`
2. `RRB/SHMEM/conflict/002-shmem-conflict-putnbi-store-local-yes.c`
3. `RRB/NVSHMEM/hostInitiated/conflict/002-nvshmem-conflict-putnbi-store-local-yes.cpp`
4. `MBB/level1/RMA/LocalConcurrency-fence-get_get-001.c`
5. `RRB/SHMEM/conflict/005-shmem-conflict-getnbi-store-local-yes.c`
6. `RRB/NVSHMEM/hostInitiated/conflict/005-nvshmem-conflict-getnbi-store-local-yes.cpp`
7. `newTestCases/implementationProblems/hybrid/mpi+shmem/002-no-rma-on-same-arr.cpp`
8. `newTestCases/implementationProblems/hybrid/mpi+shmem/001-yes-rma-on-same-arr.cpp`
9. `RRB/MPIRMA/conflict/remote/018-MPI-conflict-get-store-remote-yes.c`
10. `RRB/SHMEM/conflict/remote/018-shmem-conflict-get-store-remote-yes.c`
11. `RRB/NVSHMEM/hostInitiated/conflict/remote/018-nvshmem-conflict-get-store-remote-yes.c`
12. `RRB/MPIRMA/conflict/remote/023-MPI-conflict-put-store-remote-yes.c`
13. `RRB/SHMEM/conflict/remote/024-shmem-conflict-put-put-remote-yes.c`
14. `RRB/NVSHMEM/hostInitiated/conflict/remote/024-nvshmem-conflict-put-put-remote-yes.c`
15. `MBB/level1/RMA/Correct-lockunlock-get_bufwrite-001.c`
16. `MBB/level1/RMA/LocalConcurrency-lockallflush-accumulate_get-001.c`
17. `RRB/SHMEM/sync/remote/013-shmem-sync-lock-remote-no.c`
18. `RRB/SHMEM/sync/remote/014-shmem-sync-lock-remote-yes.c`

19. RRB/NVSHMEM/hostInitiated/sync/currentlyNotSupportedByNVSHMEM/013-nvshmem-sync-lock-remote-no.c
20. RRB/NVSHMEM/hostInitiated/sync/currentlyNotSupportedByNVSHMEM/014-nvshmem-sync-lock-remote-yes.c
21. RRB/MPIRMA/sync/012-MPI-sync-pscw-local-no.c
22. RRB/MPIRMA/sync/011-MPI-sync-pscw-local-yes.c
23. RRB/SHMEM/sync/005-shmem-sync-waituntil-local-no.c
24. RRB/SHMEM/sync/006-shmem-sync-waituntil-local-yes.c
25. RRB/NVSHMEM/hostInitiated/sync/currentlyNotSupportedByNVSHMEM/016-nvshmem-sync-waituntil-remote-no.c
26. RRB/NVSHMEM/hostInitiated/sync/currentlyNotSupportedByNVSHMEM/015-nvshmem-sync-waituntil-remote-yes.c
27. MBB/level1/RMA/Correct-fence-get_get-001.c
28. MBB/level1/RMA/LocalConcurrency-fence-get_get-001.c
29. RRB/SHMEM/sync/002-shmem-sync-barrierall-local-no.c
30. RRB/SHMEM/sync/001-shmem-sync-barrierall-local-yes.c
31. RRB/NVSHMEM/hostInitiated/sync/remote/008-nvshmem-sync-barrierall-remote-no.cpp
32. RRB/NVSHMEM/hostInitiated/sync/remote/007-nvshmem-sync-barrierall-remote-yes.cpp
33. RRB/MPIRMA/sync/010-MPI-sync-request-local-no.c
34. RRB/MPIRMA/sync/009-MPI-sync-request-local-yes.c
35. RRB/SHMEM/sync/remote/019-shmem-sync-ctx-remote-no.c
36. RRB/SHMEM/sync/remote/020-shmem-sync-ctx-remote-yes.c
37. RRB/NVSHMEM/hostInitiated/sync/currentlyNotSupportedByNVSHMEM/019-shmem-sync-ctx-remote-no.c
38. RRB/NVSHMEM/hostInitiated/sync/currentlyNotSupportedByNVSHMEM/020-shmem-sync-ctx-remote-yes.c
39. MBB/level2/P2P/Correct-mpi_send_init-001.c
40. MBB/level2/P2P/LocalConcurrency-receive-mpi_recv_init-001.c
41. MBB/level2/COLL/Correct-mpi_iscatter-mpi_iscatter-001.c
42. MBB/level2/COLL/LocalConcurrency-mpi_ialltoall-001.c
43. MBB/level2/RMA/Correct-lockallflush-compare_and_swap_compare_and_swap-001.c
44. MBB/level2/RMA/LocalConcurrency-lockunlock-fetch_and_op_bufwrite-001.c
45. RRB/SHMEM/conflict/001-shmem-conflict-putnbi-load-local-no.c
46. RRB/SHMEM/conflict/002-shmem-conflict-putnbi-store-local-yes.c
47. RRB/NVSHMEM/gpuInitiated/conflict/009-nvshmem-conflict-put_signal_nbi-load-local-no.cu
48. RRB/NVSHMEM/gpuInitiated/conflict/008-nvshmem-conflict-put_signal_nbi-store-local-yes.cu
49. RRB/MPIRMA/atomic/remote/001-MPI-atomic-customdatatype-remote-no.c
50. RRB/MPIRMA/atomic/remote/002-MPI-atomic-customdatatype-remote-yes.c
51. RRB/MPIRMA/atomic/remote/009-MPI-atomic-int-int-remote-no.c
52. RRB/MPIRMA/atomic/remote/008-MPI-atomic-double-float-remote-yes.c
53. RRB/SHMEM/atomic/remote/005-shmem-atomic-int-int-sameorigin-remote-no.c
54. RRB/SHMEM/atomic/remote/006-shmem-atomic-double-long-remote-yes.c
55. RRB/NVSHMEM/gpuInitiated/atomic/remote/004-nvshmem-atomic-int-int-remote-no.cu
56. RRB/NVSHMEM/gpuInitiated/atomic/remote/006-nvshmem-atomic-double-long-remote-yes.cu
57. RRB/MPIRMA/hybrid/002-MPI-hybrid-master-local-no.c
58. RRB/MPIRMA/hybrid/001-MPI-hybrid-master-local-yes.c
59. RRB/SHMEM/hybrid/002-shmem-hybrid-for-ordered-local-no.c
60. RRB/SHMEM/hybrid/001-shmem-hybrid-for-local-yes.c
61. RRB/NVSHMEM/gpuInitiated/conflict/009-nvshmem-conflict-put_signal_nbi-load-local-no.cu
62. RRB/NVSHMEM/gpuInitiated/conflict/008-nvshmem-conflict-put_signal_nbi-store-local-yes.cu
63. RRB/MPIRMA/misc/001-MPI-misc-put-load-deep-nesting-local-no.c
64. RRB/MPIRMA/misc/002-MPI-misc-get-load-deep-nesting-local-yes.c
65. RRB/SHMEM/misc/001-shmem-misc-putnbi-load-deep-nesting-local-no.c
66. RRB/SHMEM/misc/002-shmem-misc-getnbi-load-deep-nesting-local-yes.c
67. RRB/NVSHMEM/gpuInitiated/misc/remote/009-nvshmem-misc-get-load-deep-nesting-remote-no.cu
68. RRB/NVSHMEM/gpuInitiated/misc/remote/010-nvshmem-misc-get-store-deep-nesting-remote-yes.cu
69. newTestCases/implementationProblems/mpi/002-no-recursive.c
70. newTestCases/implementationProblems/mpi/001-yes-recursive.c
71. RRB/MPIRMA/misc/remote/011-MPI-misc-get-load-funcpointer-remote-no.c

72. RRB/MPIRMA/misc/remote/012-MPI-misc-get-store-funcpointer-remote-yes.
73. RRB/SHMEM/misc/remote/011-shmem-misc-get-load-funcpointer-remote-no.c
74. RRB/SHMEM/misc/remote/012-shmem-misc-get-store-funcpointer-remote-yes.c
75. RRB/NVSHMEM/gpuInitiated/misc/remote/011-nvshmem-misc-get-load-funcpointer-remote-no.cu
76. RRB/NVSHMEM/gpuInitiated/misc/remote/012-nvshmem-misc-get-store-funcpointer-remote-yes.cu
77. RRB/MPIRMA/misc/003-MPI-misc-put-load-aliasing-local-no.c
78. RRB/MPIRMA/misc/004-MPI-misc-get-load-aliasing-local-yes.c
79. RRB/SHMEM/misc/003-shmem-misc-putnbi-load-aliasing-local-no.c
80. RRB/SHMEM/misc/004-shmem-misc-getnbi-load-aliasing-local-yes.c
81. RRB/NVSHMEM/hostInitiated/misc/003-nvshmem-misc-putnbi-load-retval-local-no.cpp
82. RRB/NVSHMEM/hostInitiated/misc/006-nvshmem-misc-getnbi-load-aliasing-local-yes.cpp
83. RRB/NVSHMEM/hybridInitiated/sync/002-nvshmem-sync-barrierall-local-no.cu
84. newTestCases/gpuSpecificNVSHMEM/barrierNotSyncGPUStuff.cpp
85. newTestCases/implementationProblems/mpi/008-no-winNotTrackable.c
86. newTestCases/implementationProblems/mpi/007-yes-winNotTrackable.c
87. newTestCases/implementationProblems/mpi/006-no-flush-multiple-wins.cpp
88. newTestCases/implementationProblems/mpi/005-yes-flush-multiple-wins.cpp
89. RRB/NVSHMEM/hybridInitiated/sync/remote/008-nvshmem-sync-barrierall-remote-no.cu
90. RRB/NVSHMEM/hybridInitiated/sync/remote/007-nvshmem-sync-barrierall-remote-yes.cu
91. newTestCases/staticAnalysisWeakness/spmdIRProblems/mpi/001-no-pointer-in-same-arr.cpp
92. newTestCases/staticAnalysisWeakness/spmdIRProblems/shmem/001-no-pointer-in-same-arr.cpp
93. proxyApps/PRK/MPIRMA/Stencil/stencil.c
94. proxyApps/PRK/SHMEM/Synch_p2p/p2p.c