




CodeSonar

 This page was automatically generated and should not be edited.

 The information on this page was provided by outside contributors and has not been verified by SEI CERT.

 The table below can be re-ordered, by clicking column headers.

Tool Version: 5.1p0

Checker	Guideline
ALLOC.FNH	MEM51-CPP. Properly deallocate dynamically allocated resources
ALLOC.LEAK	FIO51-CPP. Close files when they are no longer needed
ALLOC.LEAK	ERR57-CPP. Do not leak resources when handling exceptions
ALLOC.TM	MEM51-CPP. Properly deallocate dynamically allocated resources
ALLOC.UAF	EXP54-CPP. Do not access an object outside of its lifetime
ALLOC.UAF	MEM50-CPP. Do not access freed memory
BADFUNC.ABORT	ERR50-CPP. Do not abruptly terminate the program
BADFUNC.ATOF	ERR62-CPP. Detect errors when converting a string to a number
BADFUNC.ATOF	ERR62-CPP. Detect errors when converting a string to a number
BADFUNC.ATOF	ERR62-CPP. Detect errors when converting a string to a number
BADFUNC.atoi	ERR62-CPP. Detect errors when converting a string to a number
BADFUNC.BO.*	CTR52-CPP. Guarantee that library functions do not overflow
BADFUNC.EXIT	ERR50-CPP. Do not abruptly terminate the program
BADFUNC.LONGJMP	ERR52-CPP. Do not use setjmp() or longjmp()
BADFUNC.RANDOM.RAND	MSC50-CPP. Do not use std::rand() for generating pseudorandom numbers
BADFUNC.SETJMP	ERR52-CPP. Do not use setjmp() or longjmp()
CONCURRENCY.LOCK.ORDER	CON53-CPP. Avoid deadlock by locking in a predefined order
IO.UAC	EXP54-CPP. Do not access an object outside of its lifetime
LANG.CAST.PC.INC	EXP57-CPP. Do not cast or delete pointers to incomplete classes
LANG.ID.NU.MK	DCL51-CPP. Do not declare or define a reserved identifier
LANG.MEM.BO	CTR50-CPP. Guarantee that container indices and iterators are within the valid range
LANG.MEM.BO	CTR52-CPP. Guarantee that library functions do not overflow
LANG.MEM.BO	STR50-CPP. Guarantee that storage for strings has sufficient space for character data and the null terminator
LANG.MEM.BO	STR53-CPP. Range check element access
LANG.MEM.BU	CTR50-CPP. Guarantee that container indices and iterators are within the valid range
LANG.MEM.BU	STR53-CPP. Range check element access
LANG.MEM.TBA	CTR50-CPP. Guarantee that container indices and iterators are within the valid range
LANG.MEM.TBA	STR53-CPP. Range check element access
LANG.MEM.TO	CTR50-CPP. Guarantee that container indices and iterators are within the valid range
LANG.MEM.TO	STR50-CPP. Guarantee that storage for strings has sufficient space for character data and the null terminator
LANG.MEM.TO	STR53-CPP. Range check element access
LANG.MEM.TU	CTR50-CPP. Guarantee that container indices and iterators are within the valid range
LANG.MEM.TU	STR53-CPP. Range check element access
LANG.MEM.UVAR	EXP53-CPP. Do not read uninitialized memory

LANG.STRUCT.DECL. RESERVED	DCL51-CPP. Do not declare or define a reserved identifier
LANG.STRUCT.DEF.FDH	DCL60-CPP. Obey the one-definition rule
LANG.STRUCT.DEF.ODH	DCL60-CPP. Obey the one-definition rule
LANG.STRUCT.MRS	MSC52-CPP. Value-returning functions must return a value from all exit paths
LANG.STRUCT.PBB	CTR50-CPP. Guarantee that container indices and iterators are within the valid range
LANG.STRUCT.PPE	CTR50-CPP. Guarantee that container indices and iterators are within the valid range
LANG.STRUCT.RPL	EXP53-CPP. Do not read uninitialized memory
MISC.MEM.NTERM	STR50-CPP. Guarantee that storage for strings has sufficient space for character data and the null terminator