

Compiler Warnings

These are the diagnostic flags in the compiler. They include warnings and some errors.

Checks

Check ID	Check Name	Supported	Severity
CPP_WARN_ABSOLUTE_VALUE	Absolute Value Proper Usage	Yes	
CPP_WARN_ABSTRACT_FINAL_CLASS	Abstract Classes Should Not Be Final or Sealed	Yes	
CPP_WARN_ABSTRACT_VIRTUAL_BASE_INIT	No Useless Init for Abstract Virtual Base	Yes	
CPP_WARN_ADDRESS_OF_PACKED_MEMBER	Do Not Take the Address of Packed Members	Yes	
CPP_WARN_ADDRESS_OF_TEMPORARY	Do Not Take the Address of Temporary Objects	Yes	High
CPP_WARN_AIX_COMPAT	IBM AIX Compatibility with Byte Alignment	Yes	
CPP_WARN_ALIGN_MISMATCH	Match Byte Alignment of Arguments	Yes	
CPP_WARN_ALLOCA	Do Not Use Certain Allocation Functions	Yes	
CPP_WARN_ALLOCA_WITH_ALIGN_ALIGNOF	Correct Usage of Second Argument of Certain Allocation Functions	Yes	
CPP_WARN_ALWAYS_INLINE_COROUTINE	Always Inline Coroutine Functions	Yes	
CPP_WARN_AMBIGUOUS_DELETE	Ambiguous Delete	Yes	
CPP_WARN_AMBIGUOUS_ELLIPSIS	Ambiguous Ellipsis	Yes	
CPP_WARN_AMBIGUOUS_MACRO	Ambiguous Macro	Yes	
CPP_WARN_AMBIGUOUS_MEMBER_TEMPLATE	Ambiguous Member Template	Yes	
CPP_WARN_AMBIGUOUS_REVERSED_OPERATOR	Ambiguous Reversed Operator	Yes	
CPP_WARN_ANALYZER_INCOMPATIBLE_PLUGIN	Analyzer Incompatible Plugin	Yes	
CPP_WARN_ANON_ENUM_ENUM_CONVERSION	Anon-Enum Enum Conversion	Yes	

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CPP_WARN_ANONYMOUS_PACK_PARENS	Anonymous Pack Parentheses	Yes	
CPP_WARN_ARC_BRIDGE_CASTS_DISALLOWED_IN_NONARC	ARC (Automatic Reference Counting) Bridge Casts Disallowed in Non-ARC	Yes	
CPP_WARN_ARC_MAYBE_REPEATED_USE_OF_WEAK	ARC Maybe Repeated Use of Weak	Yes	
CPP_WARN_ARC_RETAIN_CYCLES	ARC Retain Cycles	Yes	
CPP_WARN_ARC_UNSAFE_RETAINED_ASSIGN	ARC Unsafe Retained Assign	Yes	
CPP_WARN_ARGUMENT_OUTSIDE_RANGE	Argument Outside Range	Yes	
CPP_WARN_ARGUMENT_UNDEFINED_BEHAVIOUR	Argument Undefined Behaviour	Yes	
CPP_WARN_ARRAY_BOUNDS	Array Bounds	Yes	High
CPP_WARN_ARRAY_BOUNDS_POINTER_ARITHMETIC	Array Bounds Pointer Arithmetic	Yes	
CPP_WARN_ARRAY_PARAMETER	Array Parameter	Yes	
CPP_WARN_ASM_OPERAND_WIDTHS	Assembly Operand Widths	Yes	
CPP_WARN_ASSIGN_ENUM	Assign Enum	Yes	
CPP_WARN_ASSUME	Discarded Side Effects to __assume Function	Yes	
CPP_WARN_ATOMIC_ACCESS	Atomic Access	Yes	
CPP_WARN_ATOMIC_ALIGNMENT	Atomic Alignment	Yes	
CPP_WARN_ATOMIC_IMPLICITLY_SEQUENTIALLY_CONSISTENT	Atomic Implicitly Sequentially-Consistent	Yes	
CPP_WARN_ATOMIC_MEMORY_ORDERING	Atomic Memory Ordering	Yes	
CPP_WARN_AUTO_DISABLE_VIRTUAL_POINTER_SANITIZER	Auto Disable Virtual Pointer Sanitizer	Yes	
CPP_WARN_AUTO_STORAGE_CLASS	Auto Storage Class	Yes	
CPP_WARN_AVAILABILITY	Availability Attribute	Yes	High
CPP_WARN_AVR_RT_LIB_LINKING_QUIRKS	AVR RTLIB (Real-Time Library) Linking Quirks	Yes	
CPP_WARN_BACKEND_PLUGIN	Backend Plugin	Yes	

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CPP_WARN_BACKSLASH_NEWLINE_ESCAPE	Backslash Newline Escape	Yes	High
CPP_WARN_BAD_FUNCTION_CAST	Do Not Cast from Function Call of One Type to Another	Yes	
CPP_WARN_BIND_TO_TEMPORARY_COPY	Bind to Temporary Copy	Yes	
CPP_WARN_BINDING_IN_CONDITION	Binding in Condition	Yes	
CPP_WARN_BIT_INT_EXTENSION	Bit Int Extension	Yes	
CPP_WARN_BITFIELD_CONSTANT_CONVERSION	Bitfield Constant Conversion	Yes	High
CPP_WARN_BITFIELD_ENUM_CONVERSION	Bitfield Enum Conversion	Yes	
CPP_WARN_BITFIELD_WIDTH	Do Not Exceed Bit-Field Width	Yes	High
CPP_WARN_BITWISE_CONDITIONAL_PARENTHESES	Bitwise Conditional Parentheses	Yes	
CPP_WARN_BITWISE_INSTEAD_OF_LOGICAL	Bitwise Instead of Logical	Yes	
CPP_WARN_BITWISE_OPERATOR_PARENTHESES	Bitwise Operator Parentheses	Yes	
CPP_WARN_BOOL_CONVERSION	Bool Conversion	Yes	High
CPP_WARN_BOOL_OPERATION	Bool Operation	Yes	
CPP_WARN_BRACED_SCALAR_INIT	Braced Scalar Init	Yes	
CPP_WARN_BRANCH_PROTECTION	Branch Protection	Yes	
CPP_WARN_BUILTIN_ASSUME_ALIGNED_ALIGNMENT	Builtin Assume Aligned Alignment	Yes	
CPP_WARN_BUILTIN_MACRO_REDEFINED	Builtin Macro Redefined	Yes	High
CPP_WARN_BUILTIN_MEMCPY_CHECK_SIZE_CHK_SIZE	Builtin Malloc Check Size	Yes	High
CPP_WARN_BUILTIN_REQUIRES_HEADER_S_HEADER	Builtin Requires Header	Yes	
CPP_WARN_C2X_EXTENSIONS	C2X Extensions	Yes	
CPP_WARN_C11_EXTENSIONS	C11 Extensions	Yes	

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CPP_WARN_C99_COMPAT	C99 Compatibility	Yes	
CPP_WARN_C99_DESIGNATOR	C99 Designator	Yes	
CPP_WARN_C99_EXTENSIONS	C99 Extensions	Yes	
CPP_WARN_CALL_TO_PURE_VIRTUAL_FROM_CONSTRUCTOR_OR_DESTRUCTOR	Call to Pure Virtual from Constructor or Destructor	Yes	High
CPP_WARN_CALLED_ONCE_PARAMETER	Called once Parameter	Yes	
CPP_WARN_CAST_ALIGN	Cast Align	Yes	
CPP_WARN_CAST_CALLING_CONVENTION	Cast Calling Convention	Yes	
CPP_WARN_CAST_FUNCTION_TYPE	Cast Function Type	Yes	
CPP_WARN_CAST_QUAL	Cast Qualifiers	Yes	
CPP_WARN_CAST_QUAL_UNRELATED	Cast Qualifiers Unrelated	Yes	High
CPP_WARN_CHAR_SUBSCRIPTS	Char Subscripts	Yes	
CPP_WARN_CLANG_CL_PRECOMPILED_HEADERS	Clang-CL Precompiled Headers	Yes	
CPP_WARN_CLASS_CONVERSION	Class Conversion	Yes	High
CPP_WARN_CLASS_VARIADIC_ARGUMENTS	Class Variadic Arguments	Yes	
CPP_WARN_CMSE_UNION_LEAK	CMSE (Cortex-M Support for Security Extension) Union Leak	Yes	
CPP_WARN_COMMA_OPERATOR_MISUSE	Comma Operator Misuse	Yes	
CPP_WARN_COMMENT_MISUSE	Comment Misuse	Yes	
CPP_WARN_COMPARE_DISTINCT_POINTER_TYPES	Compare Distinct Pointer Types	Yes	High
CPP_WARN_COMPLEX_COMPONENT_INIT	Complex Component Init	Yes	
CPP_WARN_COMPOUND_TOKEN_SPLIT_BY_MACRO	Compound Token Split by Macro	Yes	High
CPP_WARN_COMPOUND_TOKEN_SPLIT_BY_SPACE	Compound Token Split by Space	Yes	
CPP_WARN_CONDITIONAL_TYPE_MISMATCH	Conditional Type Mismatch	Yes	High
CPP_WARN_CONDITIONAL_UNINITIALIZED	Conditional Uninitialized	Yes	
CPP_WARN_CONSTANT_CONVERSION	Constant Conversion	Yes	High

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CPP_WARN_CONSTANT_EVALUATED	Constant Evaluated	Yes	
CPP_WARN_CONSTANT_LOGICAL_OPERAND	Constant Logical Operand	Yes	High
CPP_WARN_CONSTEXPR_NOT_CONST	Constexpr Not Const	Yes	
CPP_WARN_CONSUMED	Consumable Attribute	Yes	
CPP_WARN_CONVERSION	Type Conversion	Yes	
CPP_WARN_COROUTINE	Coroutine Return Type	Yes	
CPP_WARN_COROUTINE_MISSING_UNHANDLED_EXCEPTION	Coroutine Missing Unhandled Exception	Yes	
CPP_WARN_COVERED_SWITCH_DEFAULT	Covered Switch Default	Yes	
CPP_WARN_CPP_COMPAT	C++ Compatibility	Yes	
CPP_WARN_CPP2B_EXTENSIONS	C++2B Extensions	Yes	
CPP_WARN_CPP11_COMPAT	C++11 Compatibility	Yes	
CPP_WARN_CPP11_COMPAT_DEPRECATED_WRITABLE_STRINGS	C++11 Compatibility Deprecated Writable Strings	Yes	High
CPP_WARN_CPP11_COMPAT_RESERVED_USER_DEFINED_LITERAL	C++11 Compatibility Reserved User Defined Literal	Yes	
CPP_WARN_CPP11_EXTENSIONS	C++11 Extensions	Yes	
CPP_WARN_CPP11_EXTRA_SEMICOLON	C++11 Extra Semicolon	Yes	
CPP_WARN_CPP11_INLINE_NAMESPACE	C++11 Inline Namespace	Yes	
CPP_WARN_CPP11_LONG_LONG	C++11 Long Long	Yes	
CPP_WARN_CPP11_NARROWING	C++11 Narrowing	Yes	
CPP_WARN_CPP14_ATTRIBUTE_EXTENSIONS	C++14 Attribute Extensions	Yes	
CPP_WARN_CPP14_BINARY_LITERAL	C++14 Binary Literal	Yes	
CPP_WARN_CPP14_EXTENSIONS	C++14 Extensions	Yes	
CPP_WARN_CPP17_ATTRIBUTE_EXTENSIONS	C++17 Attribute Extensions	Yes	

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E_EXTENSIONS			
CPP_WARN_CPP17_COMPAT_MANGLING	C++17 Compatibility Mangling	Yes	
CPP_WARN_CPP17_EXTENSIONS_NS	C++17 Extensions	Yes	
CPP_WARN_CPP20_ATTRIBUTE_EXTENSIONS	C++20 Attribute Extensions	Yes	
CPP_WARN_CPP20_COMPAT	C++20 Compatibility	Yes	
CPP_WARN_CPP20_DESIGNATOR	C++20 Designator	Yes	
CPP_WARN_CPP20_EXTENSIONS_NS	C++20 Extensions	Yes	
CPP_WARN_CPP98_COMPAT	C++98 Compatibility	Yes	
CPP_WARN_CPP98_COMPAT_BIND_TO_TEMPORARY_COPY	C++98 Compatibility Bind to Temporary Copy	Yes	
CPP_WARN_CPP98_COMPAT_EXTRA_SEMI	C++98 Compatibility Extra Semicolon	Yes	
CPP_WARN_CPP98_COMPAT_LOCAL_TYPE_TEMPLATE_ARGS	C++98 Compatibility Local Type Template Args	Yes	
CPP_WARN_CPP98_COMPAT_PEDANTIC	C++98 Compatibility Pedantic	Yes	
CPP_WARN_CPP98_COMPAT_UNNAMED_TYPE_TEMPLATE_ARGS	C++98 Compatibility Unnamed Type Template Args	Yes	
CPP_WARN_CPP98_CPP11_COMPAT_BINARY_LITERAL	C++98 C++11 Compatibility Binary Literal	Yes	
CPP_WARN_CTAD_MAYBE_UNSUPPORTED	CTAD (Class Template Argument Deduction) Maybe Unsupported	Yes	
CPP_WARN_CXX_ATTRIBUTE_EXTENSION	C++ Attribute Extension	Yes	
CPP_WARN_DANGLING	Dangling Pointers	Yes	High
CPP_WARN_DANGLING_ELSE	Dangling Else	Yes	
CPP_WARN_DANGLING_FIELD	Dangling Field	Yes	High
CPP_WARN_DANGLING_GSL	Dangling Pointers Found by Guidelines Support Library	Yes	High
CPP_WARN_DANGLING_INITIALIZER_LIST	Dangling Initializer List	Yes	High
CPP_WARN_DARWIN_SDK_SETTINGS	Darwin SDK Settings	Yes	

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TTINGS			
CPP_WARN_DATE_TIME	Date and Time Macros	Yes	
CPP_WARN_DEALLOC_IN_CATEGORY	Dealloc in Category	Yes	
CPP_WARN_DEBUG_COMPRESSION_UNAVAILABLE	Debug Compression Unavailable	Yes	
CPP_WARN_DECLARATION_AFTER_STATEMENT	Declaration After Statement	Yes	
CPP_WARN_DEFAULTED_FUNCTION_DELETED	Defaulted Function Deleted	Yes	High
CPP_WARN_DELEGATING_CONSTRUCTOR_CYCLES	Delegating Constructor Cycles	Yes	High
CPP_WARN_DELETE_ABSTRACT_NON_VIRTUAL_DTOR	Delete Abstract Non-Virtual Destructor	Yes	High
CPP_WARN_DELETE_INCOMPLETE_DELETE	Delete Incomplete	Yes	High
CPP_WARN_DELETE_NON_ABSTRACT_NON_VIRTUAL_DTOR	Delete Non-Abstract Non-Virtual Destructor	Yes	
CPP_WARN_DEPRECATED	Deprecated	Yes	
CPP_WARN_DEPRECATED_ALTIVEC_SRC_COMPAT	Deprecated AltiVec Instruction Set Source Compatibility	Yes	
CPP_WARN_DEPRECATED_ANON_ENUM_ENUM_CONVERSION	Deprecated Anon-Enum, Enum Conversion	Yes	
CPP_WARN_DEPRECATED_ARRAY_COMPARE	Deprecated Array Compare	Yes	
CPP_WARN_DEPRECATED_ATTRIBUTES	Deprecated Attributes	Yes	
CPP_WARN_DEPRECATED_BUILTINS	Deprecated Builtins	Yes	High
CPP_WARN_DEPRECATED_COMMA_SUBSCRIPT	Deprecated Comma Subscript	Yes	
CPP_WARN_DEPRECATED_COPY	Deprecated Copy	Yes	
CPP_WARN_DEPRECATED_COPY_WITH_DTOR	Deprecated Copy with Destructor	Yes	
CPP_WARN_DEPRECATED_COPY_WITH_USER_PROVIDED_COPY	Deprecated Copy with User Provided Copy	Yes	
CPP_WARN_DEPRECATED_COPY_WITH_USER	Deprecated Copy with User	Yes	

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PY_WITH_USER_PROVIDED_DTOR	Provided Destructor		
CPP_WARN_DEPRECATED_COROUTINE	Deprecated Coroutine	Yes	
CPP_WARN_DEPRECATED_DECLARATIONS	Deprecated Declarations	Yes	High
CPP_WARN_DEPRECATED_DYNAMIC_EXCEPTION_SPEC	Deprecated Dynamic Exception Spec	Yes	
CPP_WARN_DEPRECATED_EXPERIMENTAL_COROUTINE	Deprecated Experimental Coroutine	Yes	
CPP_WARN_DEPRECATED_IMPLEMENTATIONS	Deprecated Implementations	Yes	
CPP_WARN_DEPRECATED_INCREMENT_BOOL	Deprecated Increment Bool	Yes	High
CPP_WARN_DEPRECATED_NON_PROTOTYPE	Deprecated Non-Prototype	Yes	High
CPP_WARN_DEPRECATED_REGISTER	Deprecated Register	Yes	High
CPP_WARN_DEPRECATED_STATIC_ANALYZER_FLAG	Deprecated Static Analyzer Flag	Yes	
CPP_WARN_DEPRECATED_THIS_CAPTURE	Deprecated This Capture	Yes	
CPP_WARN_DEPRECATED_TYPE	Deprecated Type	Yes	
CPP_WARN_DEPRECATED_VOLATILE	Deprecated Volatile	Yes	High
CPP_WARN_DISABLED_MACRO_EXPANSION	Disabled Macro Expansion	Yes	
CPP_WARN_DIVISION_BY_ZERO	Division by Zero	Yes	High
CPP_WARN_DLL_ATTRIBUTE_ON_REDECLARATION	DLL Attribute on Re-Declaration	Yes	
CPP_WARN_DLLEXPORT_EXPLICIT_INSTANTIATION_DECL	DLLexport Explicit Instantiation Decl	Yes	
CPP_WARN_DLLIMPORT_STATIC_FIELD_DEF	DLLimport Static Field Def	Yes	
CPP_WARN_DOCUMENTATION_WARNINGS	Documentation Warnings	Yes	
CPP_WARN_DOCUMENTATION_DEPRECATED_SYNC	Documentation Deprecated Sync	Yes	
CPP_WARN_DOCUMENTATION_HTML	Documentation Html	Yes	

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_HTML			
CPP_WARN_DOCUMENTATION_PEDANTIC	Documentation Pedantic	Yes	
CPP_WARN_DOCUMENTATION_UNKNOWN_COMMAND	Documentation Unknown Command	Yes	
CPP_WARN_DOLLAR_IN_IDENTIFIER_EXTENSION	Dollar in Identifier Extension	Yes	
CPP_WARN_DOUBLE_PROMOTION	Double Promotion	Yes	
CPP_WARN_DTOR_NAME	Destructor Name	Yes	
CPP_WARN_DTOR_TYPEDEF	Destructor Typedef	Yes	
CPP_WARN_DUPLICATE_DECL_SPECIFIER	Duplicate Decl Specifier	Yes	
CPP_WARN_DUPLICATE_ENUM	Duplicate Enum	Yes	
CPP_WARN_DUPLICATE_METHOD_ARGUMENT	Duplicate Method Arg	Yes	
CPP_WARN_DUPLICATE_METHOD_MATCH	Duplicate Method Match	Yes	
CPP_WARN_DUPLICATE_PROTOCOL	Duplicate Protocol	Yes	
CPP_WARN_DYNAMIC_CLASS_MEMORY_ACCESS	Dynamic Class Memory Access	Yes	High
CPP_WARN_DYNAMIC_EXCEPTION_SPECIFICATION	Dynamic Exception Spec	Yes	
CPP_WARN_ELABORATED_ENUM_BASE	Elaborated Enum Base	Yes	
CPP_WARN_ELABORATED_ENUM_CLASS	Elaborated Enum Class	Yes	
CPP_WARN_EMBEDDED_DIRECTIVE	Embedded Directive	Yes	
CPP_WARN_EMPTY_BODY	Control Loop Shall Not Have Empty Body	Yes	
CPP_WARN_EMPTY_DECOMPOSITION	Decomposition Group Shall Not Be Empty	Yes	
CPP_WARN_EMPTY_INITIALIZATION_STATEMENTS	No Empty Initialization Statements	Yes	
CPP_WARN_EMPTY_TRANSLATION_UNIT	Empty Translation Unit	Yes	
CPP_WARN_ENUM_COMPARE	Enum Compare	Yes	High

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CPP_WARN_ENUM_COMPARE_CONDITIONAL	Enum Compare Conditional	Yes	
CPP_WARN_ENUM_COMPARE_SWITCH	Enum Compare Switch	Yes	High
CPP_WARN_ENUM_CONVERSION	Enum Conversion	Yes	
CPP_WARN_ENUM_ENUM_CONVERSION	Enum Enum Conversion	Yes	
CPP_WARN_ENUM_FLOAT_CONVERSION	Enum Float Conversion	Yes	
CPP_WARN_ENUM_TOO_LARGE	Enum Too Large	Yes	
CPP_WARN_EXCEPTIONS	Exceptions	Yes	High
CPP_WARN_EXCESS_INITIALIZERS	Excess Initializers	Yes	
CPP_WARN_EXIT_TIME_DESTRUCTORS	Exit Time Destructors	Yes	
CPP_WARN_EXPANSION_TO_DEFINED	Expansion to Defined	Yes	
CPP_WARN_EXPORT_UNNAMED	Export Unnamed	Yes	
CPP_WARN_EXPORT_USING_DIRECTIVE	Export Using Directive	Yes	
CPP_WARN_EXTERN_C_COMPATIBILITY	Extern C Compatibility	Yes	High
CPP_WARN_EXTERN_INITIALIZER	Extern Initializer	Yes	High
CPP_WARN_EXTRA	Extra Warnings	Yes	
CPP_WARN_EXTRA_QUALIFICATION	Extra Qualification	Yes	High
CPP_WARN_EXTRA_SEMICOLON	Extra Semicolon	Yes	
CPP_WARN_EXTRA_SEMICOLON_EMPTY_EXPRESSION_STATEMENT	Extra Semicolon in Empty Expression Statement	Yes	
CPP_WARN_EXTRA_TOKENS	Extra Tokens	Yes	
CPP_WARN_FINAL_DTOR_NON_FINAL_CLASS	Final Destructor Non-Final Class	Yes	
CPP_WARN_FINAL_MACRO	Final Macros Should Not Be Redefined	Yes	
CPP_WARN_FIXED_ENUM_EXTENSION	Fixed Enum Extension	Yes	

Check ID	Check Name	Supported	Severity
CPP_WARN_FIXED_POINT_OVERFLOW	Fixed Point Overflow	Yes	High
CPP_WARN_FLAG_ENUM	Flag Enum	Yes	High
CPP_WARN_FLEXIBLE_ARRAY_EXTENSIONS	Flexible Array Extensions	Yes	
CPP_WARN_FLOAT_CONVERSION	Float Conversion	Yes	
CPP_WARN_FLOAT_EQUAL	Float Equal	Yes	
CPP_WARN_FLOAT_OVERFLOW_CONVERSION	Float Overflow Conversion	Yes	
CPP_WARN_FLOAT_ZERO_CONVERSION	Float Zero Conversion	Yes	
CPP_WARN_FOR_LOOP_ANALYSIS	For Loop Analysis	Yes	
CPP_WARN_FORMAT	Format String	Yes	High
CPP_WARN_FORMAT_EXTRA_ARGS	Format Extra Args	Yes	High
CPP_WARN_FORMAT_INSUFFICIENT_ARGS	Format Insufficient Args	Yes	High
CPP_WARN_FORMAT_INVALID_SPECIFIER	Format Invalid Specifier	Yes	High
CPP_WARN_FORMAT_NON_ISO	Format Non-ISO	Yes	
CPP_WARN_FORMAT_NON_LITERAL	Format Non-Literal	Yes	
CPP_WARN_FORMAT_PEDANTIC	Format Pedantic	Yes	
CPP_WARN_FORMAT_SECURITY	Format Security	Yes	High
CPP_WARN_FORMAT_TYPE_CONFUSION	Format Type Confusion	Yes	
CPP_WARN_FORMAT_ZERO_LENGTH	Format Zero Length	Yes	High
CPP_WARN_FORTIFY_SOURCE	Fortify Source	Yes	High
CPP_WARN_FOUR_CHAR_CONSTANTS	Four Char Constants	Yes	
CPP_WARN_FRAME_ADDRESS	Frame Address	Yes	
CPP_WARN_FREE_NONHEAP_OBJECT	Free Non-Heap Object	Yes	High
CPP_WARN_FUNCTION_MULTI_VERSION	Function Multi-Version	Yes	

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VERSION			
CPP_WARN_FUSE_LD_PATH	Fuse LD Path	Yes	
CPP_WARN_GCC_COMPAT	GCC Compatibility	Yes	
CPP_WARN_GLOBAL_CONSTRUCTORS	Global Constructors	Yes	
CPP_WARN_GLOBAL_ISEL	GlobalISel (Global Instruction Selection) Framework	Yes	
CPP_WARN_GNU_ALIGNOF_EXPRESSION	GNU Alignof Expression	Yes	
CPP_WARN_GNU_ANONYMOUS_STRUCTS_STRUCT	GNU Anonymous Structs	Yes	
CPP_WARN_GNU_ARRAY_MEMBER_PAREN_INIT	GNU Array Member Parentheses Init	Yes	
CPP_WARN_GNU_AUTO_TYPE	GNU Auto Type	Yes	
CPP_WARN_GNU_BINARY_LITERAL	GNU Binary Literal	Yes	
CPP_WARN_GNU_CASE_RANGE	GNU Case Range	Yes	
CPP_WARN_GNU_COMPLEX_INTEGER	GNU Complex Integer	Yes	
CPP_WARN_GNU_COMPOUND_LITERAL_INITIALIZER	GNU Compound Literal Initializer	Yes	
CPP_WARN_GNU_CONDITIONAL_OMITTED_OPERAND	GNU Conditional Omitted Operand	Yes	
CPP_WARN_GNU_DESIGNATOR	GNU Designator	Yes	
CPP_WARN_GNU_EMPTY_INITIALIZER	GNU Empty Initializer	Yes	
CPP_WARN_GNU_EMPTY_STRUCT	GNU Empty Struct	Yes	
CPP_WARN_GNU_FLEXIBLE_ARRAY_INITIALIZER	GNU Flexible Array Initializer	Yes	
CPP_WARN_GNU_FLEXIBLE_ARRAY_UNION_MEMBER	GNU Flexible Array Union Member	Yes	
CPP_WARN_GNU_FOLDING_CONSTANT	GNU Folding Constant	Yes	
CPP_WARN_GNU_IMAGINARY_CONSTANT	GNU Imaginary Constant	Yes	
CPP_WARN_GNU_INCLUDE_NEXT	GNU Include Next	Yes	

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CPP_WARN_GNU_INLINE_CPP_WITHOUT_EXTERN	GNU Inline Cpp Without Extern	Yes	
CPP_WARN_GNU_LABEL_AS_VALUE	GNU Label as Value	Yes	
CPP_WARN_GNU_LINE_MARKER	GNU Line Marker	Yes	
CPP_WARN_GNU_NULL_POINTER_ARITHMETIC	GNU Null Pointer Arithmetic	Yes	
CPP_WARN_GNU_POINTER_ARITHMETIC	GNU Pointer Arithmetic	Yes	
CPP_WARN_GNU_REDECLARE_ENUM	GNU Re-Declared Enum	Yes	
CPP_WARN_GNU_STATEMENT_EXPRESSION	GNU Statement Expression	Yes	
CPP_WARN_GNU_STATEMENT_EXPRESSION_FROM_MACRO_EXPANSION	GNU Statement Expression from Macro Expansion	Yes	
CPP_WARN_GNU_STATIC_FLOAT_INIT	GNU Static Float Init	Yes	
CPP_WARN_GNU_STRING_LITERAL_OPERATOR_TEMPLATE	GNU String Literal Operator Template	Yes	
CPP_WARN_GNU_UNION_CAST	GNU Union Cast	Yes	
CPP_WARN_GNU_VARIABLE_SIZED_TYPE_NOT_AT_END	GNU Variable Sized Type Not at End	Yes	
CPP_WARN_GNU_ZERO_LINE_DIRECTIVE	GNU Zero Line Directive	Yes	
CPP_WARN_GNU_ZERO_VARIADIC_MACRO_ARGUMENTS	GNU Zero Variadic Macro Arguments	Yes	
CPP_WARN_HEADER_GUARD	Header Guard	Yes	High
CPP_WARN_HEADER_HYGIENE	Header Hygiene	Yes	
CPP_WARN_IDIOMATIC_PARENTHESES	Idiomatic Parentheses	Yes	
CPP_WARN_IGNORED_ATTRIBUTES	Ignored Attributes	Yes	High
CPP_WARN_IGNORED_AVAILABILITY_WITHOUT_SDK_SETTINGS	Ignored Availability Without Sdk Settings	Yes	
CPP_WARN_IGNORED_OPTIMIZATION_ARGUMENT	Ignored Optimization Argument	Yes	

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CPP_WARN_IGNORED_PRAGMA_INTRINSIC	Ignored Pragma Intrinsic	Yes	
CPP_WARN_IGNORED_PRAGMA_AS	Ignored Pragmas	Yes	
CPP_WARN_IGNORED_REFERENCE_QUALIFIERS	Ignored Reference Qualifiers	Yes	High
CPP_WARN_IMPLICIT_CONST_INT_FLOAT_CONVERSION	Implicit Const Int Float Conversion	Yes	High
CPP_WARN_IMPLICIT_CONVERSION_FLOATING_POINT_TO_BOOL	Implicit Conversion Floating Point to Bool	Yes	High
CPP_WARN_IMPLICIT_EXCEPTION_SPEC_MISMATCH	Implicit Exception Spec Mismatch	Yes	High
CPP_WARN_IMPLICIT_FALLTHROUGH	Implicit Fallthrough	Yes	
CPP_WARN_IMPLICIT_FALLTHROUGH_PER_FUNCTION	Implicit Fallthrough Per Function	Yes	
CPP_WARN_IMPLICIT_FIXED_POINT_CONVERSION	Implicit Fixed Point Conversion	Yes	High
CPP_WARN_IMPLICIT_FLOAT_CONVERSION	Implicit Float Conversion	Yes	
CPP_WARN_IMPLICIT_FUNCTION_DECLARATION	Implicit Function Declaration	Yes	
CPP_WARN_IMPLICIT_INT	Implicit Int	Yes	
CPP_WARN_IMPLICIT_INT_CONVERSION	Implicit Int Conversion	Yes	
CPP_WARN_IMPLICIT_INT_FLOAT_CONVERSION	Implicit Int Float Conversion	Yes	
CPP_WARN_IMPLICIT_RETAIN_SELF	Implicit Retain Self	Yes	
CPP_WARN_IMPLICITLY_UNSIGNED_LITERAL	Implicitly Unsigned Literal	Yes	High
CPP_WARN_IMPORT_PREPROCESSOR_DIRECTIVE_PEDANTIC	Import Preprocessor Directive Pedantic	Yes	
CPP_WARN_INACCESSIBLE_BASE	Inaccessible Base	Yes	High
CPP_WARN_INCLUDE_NEXT_ABSOLUTE_PATH	Include Next Absolute Path	Yes	
CPP_WARN_INCLUDE_NEXT_OUTSIDE_HEADER	Include Next Outside Header	Yes	

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CPP_WARN_INCOMPATIBLE_EXCEPTION_SPEC	Incompatible Exception Spec	Yes	High
CPP_WARN_INCOMPATIBLE_FUNCTION_POINTER_TYPES	Incompatible Function Pointer Types	Yes	
CPP_WARN_INCOMPATIBLE_LIBRARY_REDECLARATION	Incompatible Library Redclaration	Yes	High
CPP_WARN_INCOMPATIBLE_MICROSOFT_STRUCTS_STRUCT	Incompatible Microsoft Structs	Yes	
CPP_WARN_INCOMPATIBLE_POINTER_TYPES	Incompatible Pointer Types	Yes	High
CPP_WARN_INCOMPATIBLE_POINTER_TYPES_DISCARDS_QUALIFIERS	Incompatible Pointer Types Discards Qualifiers	Yes	High
CPP_WARN_INCOMPATIBLE_SYSROOT	Incompatible Sysroot	Yes	
CPP_WARN_INCOMPLETE_IMPLEMENTATION	Incomplete Implementation	Yes	
CPP_WARN_INCOMPLETE_SETJMP_DECLARATION	Incomplete Setjmp Declaration	Yes	
CPP_WARN_INCONSISTENT_DLLIMPORT	Inconsistent DLLimport	Yes	
CPP_WARN_INCONSISTENT_MISSING_DESTRUCTOR_OVERRIDE	Inconsistent Missing Destructor Override	Yes	
CPP_WARN_INCONSISTENT_MISSING_OVERRIDE	Inconsistent Missing Override	Yes	High
CPP_WARN_INCREMENT_BOOL	Increment Bool	Yes	High
CPP_WARN_INFINITE_RECURSION	Infinite Recursion	Yes	
CPP_WARN_INITIALIZER_OVERRIDES	Initializer Overrides	Yes	
CPP_WARN_INJECTED_CLASS_NAME	Injected Class Name	Yes	High
CPP_WARN_INLINE_ASM	Inline Assembly	Yes	
CPP_WARN_INLINE_NAMESPACE_REOPENED_NONINLINE	Inline Namespace Reopened Non-Inline	Yes	High
CPP_WARN_INLINE_NEW_DELETE	Inline New Delete	Yes	
CPP_WARN_INSTANTIATION_AFTER_SPECIALIZATION	Instantiation After Specialization	Yes	High

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CPP_WARN_INT_CONVERSION	Int Conversion	Yes	
CPP_WARN_INT_IN_BOOL_CONTEXT	Int in Bool Context	Yes	
CPP_WARN_INT_TO_POINTER_CAST	Int to Pointer Cast	Yes	High
CPP_WARN_INT_TO_VOID_POINTER_CAST	Int to Void Pointer Cast	Yes	High
CPP_WARN_INTEGER_OVERFLOW	Integer Overflow	Yes	High
CPP_WARN_INTERRUPT_SERVICE_ROUTINE	Interrupt Service Routine	Yes	
CPP_WARN_INVALID_COMMAND_LINE_ARGUMENT	Invalid Command Line Argument	Yes	
CPP_WARN_INVALID_CONSTEXPR	Invalid Constexpr	Yes	
CPP_WARN_INVALID_IBOUTLET_COLLECTION	Invalid IBOutletCollection (Interface Builder Outlet Collection)	Yes	
CPP_WARN_INVALID_INITIALIZER_FROM_SYSTEM_HEADER	Invalid Initializer from System Header	Yes	
CPP_WARN_INVALID_IOS_DEPLOYMENT_TARGET	Invalid iOS Deployment Target	Yes	
CPP_WARN_INVALID_NO_BUILTIN_NAMES	Invalid No Builtin Names	Yes	High
CPP_WARN_INVALID_NORETURN_ATTRIBUTE	Invalid Noreturn Attribute	Yes	High
CPP_WARN_INVALID_OFFSET_OF	Invalid Offsetof	Yes	High
CPP_WARN_INVALID_OR_NONEXISTENT_DIRECTORY	Invalid or Nonexistent Directory	Yes	
CPP_WARN_INVALID_PARTIAL_SPECIALIZATION	Invalid Partial Specialization	Yes	
CPP_WARN_INVALID_PP_TOKEN	Invalid Preprocessor Token	Yes	High
CPP_WARN_INVALID_SOURCE_ENCODING	Invalid Source Encoding	Yes	
CPP_WARN_INVALID_TOKEN_PASTE	Invalid Token Paste	Yes	
CPP_WARN_INVALID_UTF8	Invalid UTF-8	Yes	
CPP_WARN_JUMP_SEH_FINAL	Jump SEH (Structured	Yes	

Check ID	Check Name	Supported	Severity
LY	Exception Handling) Finally		
CPP_WARN_KEYWORD_COMPAT	Keyword Compatibility	Yes	
AT			
CPP_WARN_KEYWORD_MACRO	Keyword Macro	Yes	
O			
CPP_WARN_KNR_PROMOTED_PARAMETER	K&R Promoted Parameter	Yes	
CPP_WARN_LANGUAGE_EXTENSION_TOKEN	Language Extension Token	Yes	
CPP_WARN_LARGE_BY_VALUE_COPY	Large by Value Copy	Yes	High
CPP_WARN_LINKER_WARNINGS	Linker Warnings	Yes	
S			
CPP_WARN_LITERAL_CONVERSION	Literal Conversion	Yes	High
CPP_WARN_LITERAL_RANGE	Literal Range	Yes	High
CPP_WARN_LOCAL_TEMPLATE_ARGS	Local Type Template Args	Yes	
CPP_WARN_LOGICAL_NOT_PARENTHESES	Logical Not Parentheses	Yes	High
CPP_WARN_LOGICAL_OPERATOR_PARENTHESES	Logical Operator Parentheses	Yes	
CPP_WARN_LONG_LONG	Long Long	Yes	
CPP_WARN_MACRO_REDEFINED	Macro Redefined	Yes	High
CPP_WARN_MAIN	Main Function Conventions	Yes	
CPP_WARN_MAIN_RETURN_TYPE	Main Return Type	Yes	High
CPP_WARN_MALFORMED_WARNING_CHECK	Malformed Warning Check	Yes	
CPP_WARN_MANY_BRACES_AROUND_SCALAR_INIT	Many Braces Around Scalar Init	Yes	High
CPP_WARN_MAX_TOKENS	Max Tokens	Yes	
CPP_WARN_MAX_UNSIGNED_ZERO	Max Unsigned Zero	Yes	High
CPP_WARN_MEMSET_TRANSPOSED_ARGS	Memset Transposed Args	Yes	High
CPP_WARN_MEMSIZE_COMPARISON	Memsize Comparison	Yes	High
CPP_WARN_MICROSOFT_ABS	Microsoft Abstract	Yes	

Check ID	Check Name	Supported	Severity
TRACT			
CPP_WARN_MICROSOFT_ANON_TAG	Microsoft Anonymous Tag	Yes	
CPP_WARN_MICROSOFT_CAST	Microsoft Cast	Yes	
CPP_WARN_MICROSOFT_CHARIZE	Microsoft Charizing Operator	Yes	
CPP_WARN_MICROSOFT_COMMENT_PASTE	Microsoft Comment Paste	Yes	
CPP_WARN_MICROSOFT_CONST_INIT	Microsoft Const Init	Yes	
CPP_WARN_MICROSOFT_CPP_MACRO	Microsoft C++ Macro	Yes	
CPP_WARN_MICROSOFT_DEFAULT_ARG_REDEFINITION	Microsoft Default Arg Redefinition	Yes	
CPP_WARN_MICROSOFT_DIRECTIVE_SECTION	Microsoft Directive Section	Yes	
CPP_WARN_MICROSOFT_END_OF_FILE	Microsoft End of File	Yes	
CPP_WARN_MICROSOFT_ENUM_FORWARD_REFERENCE	Microsoft Enum Forward Reference	Yes	
CPP_WARN_MICROSOFT_ENUM_VALUE	Microsoft Enum Value	Yes	
CPP_WARN_MICROSOFT_EXCEPTION_SPEC	Microsoft Exception Spec	Yes	
CPP_WARN_MICROSOFT_EXISTS	Microsoft Exists	Yes	
CPP_WARN_MICROSOFT_EXPLICIT_CONSTRUCTOR_CALL	Microsoft Explicit Constructor Call	Yes	
CPP_WARN_MICROSOFT_EXTRA_QUALIFICATION	Microsoft Extra Qualification	Yes	
CPP_WARN_MICROSOFT_FIXED_ENUM	Microsoft Fixed Enum	Yes	
CPP_WARN_MICROSOFT_FLEXIBLE_ARRAY	Microsoft Flexible Array	Yes	
CPP_WARN_MICROSOFT_GOTO	Microsoft Goto	Yes	
CPP_WARN_MICROSOFT_INACCESSIBLE_BASE	Microsoft Inaccessible Base	Yes	
CPP_WARN_MICROSOFT_INCLUDE	Microsoft Include	Yes	

Check ID	Check Name	Supported	Severity
UDE			
CPP_WARN_MICROSOFT_MUTABLE_REFERENCE	Microsoft Mutable Reference	Yes	
CPP_WARN_MICROSOFT_PURE_DEFINITION	Microsoft Pure Definition	Yes	
CPP_WARN_MICROSOFT_REDECLARE_STATIC	Microsoft Redeclare Static	Yes	
CPP_WARN_MICROSOFT_SEALED	Microsoft Sealed	Yes	
CPP_WARN_MICROSOFT_STATIC_ASSERT	Microsoft Static Assert	Yes	
CPP_WARN_MICROSOFT_TEMPLATE	Microsoft Template	Yes	
CPP_WARN_MICROSOFT_TEMPLATE_SHADOW	Microsoft Template Shadow	Yes	
CPP_WARN_MICROSOFT_UNION_MEMBER_REFERENCE	Microsoft Union Member Reference	Yes	
CPP_WARN_MICROSOFT_UNQUALIFIED_FRIEND	Microsoft Unqualified Friend	Yes	
CPP_WARN_MICROSOFT_USING_DECL	Microsoft Using Decl	Yes	
CPP_WARN_MICROSOFT_VOID_PSEUDO_DTOR	Microsoft Void Pseudo Destructor	Yes	
CPP_WARN_MISEXPECT	Misuse of __builtin_expect()	Yes	
CPP_WARN_MISLEADING_INDENTATION	Misleading Indentation	Yes	
CPP_WARN_MISMATCHED_NEW_DELETE	Mismatched New Delete	Yes	High
CPP_WARN_MISMATCHED_TAGS	Mismatched Tags	Yes	
CPP_WARN_MISSING_BRACES	Missing Braces	Yes	
CPP_WARN_MISSING_CONSTINIT	Missing Constinit	Yes	
CPP_WARN_MISSING_DECLARATIONS	Missing Declarations	Yes	High
CPP_WARN_MISSING_EXCEPTION_SPEC	Missing Exception Spec	Yes	High
CPP_WARN_MISSING_FIELD_INITIALIZERS	Missing Field Initializers	Yes	
CPP_WARN_MISSING_METHOD_RETURN_TYPE	Missing Method Return Type	Yes	

Check ID	Check Name	Supported	Severity
D_RETURN_TYPE			
CPP_WARN_MISSING_NORETURN	Missing Noreturn Attribute	Yes	
CPP_WARN_MISSING_PROTOTYPE_FOR_CALLING_CONVENTION	Missing Prototype for Calling Convention	Yes	
CPP_WARN_MISSING_PROTOTYPES	Missing Prototypes	Yes	
CPP_WARN_MISSING_SELECTOR_NAME	Missing Selector Name	Yes	
CPP_WARN_MISSING_SYSROOT	Missing Sysroot	Yes	
CPP_WARN_MISSING_VARIABLE_DECLARATIONS	Missing Variable Declarations	Yes	
CPP_WARN_MISSPELLED_ASSUMPTION	Misspelled Assumption	Yes	
CPP_WARN_MODULE_CONFLICT	Module Conflict	Yes	
CPP_WARN_MODULE_FILE_CONFIG_MISMATCH	Module File Config Mismatch	Yes	
CPP_WARN_MODULE_FILE_EXTENSION	Module File Extension	Yes	
CPP_WARN_MODULE_IMPORT_IN_EXTERN_C	Module Import in Extern C	Yes	
CPP_WARN_MODULES_AMBIGUOUS_INTERNAL_LINKAGE	Modules Ambiguous Internal Linkage	Yes	
CPP_WARN_MODULES_IMPORT_NESTED_REDUNDANT	Modules Import Nested Redundant	Yes	
CPP_WARN_MSVC_NOT_FOUND	MSVC Not Found	Yes	
CPP_WARN_MULTICHAR	Multiple Characters in Character Literal	Yes	High
CPP_WARN_MULTIPLE_MOVE_VIRTUAL_BASE	Multiple Move Virtual Base	Yes	High
CPP_WARN_NESTED_ANON_TYPES	Nested Anon-Types	Yes	
CPP_WARN_NEW_RETURNS_NULL	New Returns Null	Yes	High
CPP_WARN_NEWLINE_EOF	Newline EOF (End of File)	Yes	
CPP_WARN_NODEREF	Noderef Attribute	Yes	High
CPP_WARN_NON_C_TYPEDEF	Non-C Typedef for Linkage	Yes	High

Check ID	Check Name	Supported	Severity
_FOR_LINKAGE			
CPP_WARN_NON_LITERAL_NULL_CONVERSION	Non-Literal Null Conversion	Yes	High
CPP_WARN_NON_POD_VARIADIC_ARGUMENTS	Non-POD (Plain Old Data) Variadic Arguments	Yes	High
CPP_WARN_NON_POWER_OF_TWO_ALIGNMENT	Non-Power of Two Alignment	Yes	High
CPP_WARN_NON_VIRTUAL_DESTRUCTOR	Non-Virtual Destructor	Yes	
CPP_WARN_NONNULL	Null as an Argument	Yes	High
CPP_WARN_NONPORTABLE_INCLUDE_PATH	Non-Portable Include Path	Yes	High
CPP_WARN_NONPORTABLE_SYSTEM_INCLUDE_PATH	Non-Portable System Include Path	Yes	
CPP_WARN_NONPORTABLE_VECTOR_INITIALIZATION	Non-Portable Vector Initialization	Yes	
CPP_WARN_NONTRIVIAL_MEMORY_ACCESS	Nontrivial Memory Access	Yes	High
CPP_WARN_NULL_ARITHMETIC	Null Arithmetic	Yes	High
CPP_WARN_NULL_CHARACTER	Null Character	Yes	High
CPP_WARN_NULL_CONVERSION	Null Conversion	Yes	High
CPP_WARN_NULL_DEREFERENCE	Null Dereference	Yes	High
CPP_WARN_NULL_POINTER_ARITHMETIC	Null Pointer Arithmetic	Yes	
CPP_WARN_NULL_POINTER_SUBTRACTION	Null Pointer Subtraction	Yes	
CPP_WARN_OBJC_BOOL_CONSTANT_CONVERSION	Objective-C Bool Constant Conversion	Yes	
CPP_WARN_OBJC_CIRCULAR_CONTAINER	Objective-C Circular Container	Yes	
CPP_WARN_OBJC_MULTIPLE_METHOD_NAMES	Objective-C Multiple Method Names	Yes	
CPP_WARN_OBJC_READONLY_WITH_SETTER_PROPERTY	Objective-C Readonly with Setter Property	Yes	
CPP_WARN_OBJC_SIGNED_CHAR_BOOL_IMPLICIT_FLOAT_CONVERSION	Objective-C Signed Char Bool Implicit Float Conversion	Yes	

Check ID	Check Name	Supported	Severity
CONVERSION			
CPP_WARN_OBJC_SIGNED_CHAR_BOOL	Objective-C Signed Char Bool	Yes	
IMPLICIT_INT_CONVERSION			
CPP_WARN_ODR	One Definition Rule	Yes	High
CPP_WARN_OLD_STYLE_CAST	Old Style Cast	Yes	
CPP_WARN_OPENMP_51_EXTENSIONS	OpenMP 51 Extensions	Yes	
CPP_WARN_OPENMP_CLAUSES	OpenMP Clauses	Yes	
CPP_WARN_OPENMP_LOOP_FORM	OpenMP Loop Form	Yes	
CPP_WARN_OPENMP_MAPPING	OpenMP Mapping	Yes	
CPP_WARN_OPENMP_TARGET	OpenMP Target	Yes	
CPP_WARN_OPTION_IGNORED	Option Ignored	Yes	
CPP_WARN_ORDERED_COMPARE_FUNCTION_POINTERS	Ordered Compare Function Pointers	Yes	High
CPP_WARN_OUT_OF_LINE_DECLARATION	Out of Line Declaration	Yes	
CPP_WARN_OUT_OF_SCOPE_FUNCTION	Out of Scope Function	Yes	High
CPP_WARN_OVER_ALIGNED	Over Aligned	Yes	
CPP_WARN_OVERLENGTH_STRING_LITERALS	Long String Literals	Yes	
CPP_WARN_OVERLOADED_SHIFT_OPERATOR_PARENTHESSES	Overloaded Shift Operator Parentheses	Yes	High
CPP_WARN_OVERLOADED_VIRTUAL	Overloaded Virtual	Yes	
CPP_WARN_OVERRIDE_MODULE	Override Module	Yes	
CPP_WARN_OVERRIDING_SLASH_T_OPTION	Overriding Slash T Option	Yes	
CPP_WARN_PACKED	Packed Attribute	Yes	
CPP_WARN_PADDED	Implicit Padding	Yes	
CPP_WARN_PARENTHESSES	Parentheses	Yes	
CPP_WARN_PARENTHESSES_EQUALITY	Parentheses Equality	Yes	High
CPP_WARN_PASS_FAILED	Pass Failed	Yes	

Check ID	Check Name	Supported	Severity
CPP_WARN_PCH_DATE_TIME	PCH (Precompiled Header) Date Time	Yes	
CPP_WARN_PEDANTIC	Pedantic	Yes	
CPP_WARN_PEDANTIC_CORE_FEATURES	Pedantic Core Features	Yes	
CPP_WARN_PESSIMIZING_MOVE	Pessimizing Move	Yes	
CPP_WARN_POINTER_ARITH	Pointer Arithmetic	Yes	High
CPP_WARN_POINTER_BOOL_CONVERSION	Pointer Bool Conversion	Yes	High
CPP_WARN_POINTER_COMPARE	Pointer Compare	Yes	High
CPP_WARN_POINTER_INTEGER_COMPARE	Pointer Integer Compare	Yes	High
CPP_WARN_POINTER_SIGN	Pointer Sign	Yes	High
CPP_WARN_POINTER_TO_ENUM_CAST	Pointer to Enum Cast	Yes	High
CPP_WARN_POINTER_TO_INT_CAST	Pointer to Int Cast	Yes	High
CPP_WARN_POINTER_TYPE_MISMATCH	Pointer Type Mismatch	Yes	High
CPP_WARN_POISON_SYSTEM_DIRECTORIES	Poison System Directories	Yes	
CPP_WARN_POTENTIALLY_EVALUATED_EXPRESSION	Potentially Evaluated Expression	Yes	High
CPP_WARN_PRAGMA_CLANG_ATTRIBUTE	Pragma Clang Attribute	Yes	
CPP_WARN_PRAGMA_MESSAGES	Preprocessor #Pragma Messages	Yes	
CPP_WARN_PRAGMA_ONCE_OUTSIDE_HEADER	Pragma once Outside Header	Yes	High
CPP_WARN_PRAGMA_PACK	Pragma Pack	Yes	
CPP_WARN_PRAGMA_PACK_SUSPICIOUS_INCLUDE	Pragma Pack Suspicious Include	Yes	
CPP_WARN_PRAGMA_SYSTEM_HEADER_OUTSIDE_HEADER	Pragma System Header Outside Header	Yes	
CPP_WARN_PRAGMAS	Pragmas	Yes	
CPP_WARN_PRE_C2X_COMPATIBILITY	Pre C2X Compatibility	Yes	
CPP_WARN_PRE_CPP2B_COMPATIBILITY	Pre C++2B Compatibility	Yes	

Check ID	Check Name	Supported	Severity
PAT			
CPP_WARN_PRE_CPP14_COM	Pre C++14 Compatibility	Yes	
PAT			
CPP_WARN_PRE_CPP17_COM	Pre C++17 Compatibility	Yes	
PAT			
CPP_WARN_PRE_CPP17_COM	Pre C++17 Compatibility	Yes	
PAT_PEDANTIC	Pedantic		
CPP_WARN_PRE_CPP20_COM	Pre C++20 Compatibility	Yes	
PAT			
CPP_WARN_PRE_CPP20_COM	Pre C++20 Compatibility	Yes	
PAT_PEDANTIC	Pedantic		
CPP_WARN_PRE_OPENMP_51_COMPAT	Pre OpenMP 51 Compatibility	Yes	
CPP_WARN_PREDEFINED_IDENTIFIER_OUTSIDE_FUNCTION	Predefined Identifier Outside Function	Yes	
CPP_WARN_PRIVATE_EXTERN	Private Extern	Yes	
CPP_WARN_PRIVATE_HEADER	Private Header	Yes	
CPP_WARN_PROFILE_INSTR_MISSING	Profile Instrumented Code Missing	Yes	
CPP_WARN_PROFILE_INSTR_OUT_OF_DATE	Profile Instrumented Code Out of Date	Yes	
CPP_WARN_PROFILE_INSTR_UNPROFILED	Profile Instrumented Code Unprofiled	Yes	
CPP_WARN_PSABI	PSABI (Processor-Specific Application Binary Interface)	Yes	
CPP_WARN_QUALIFIED_VOID_RETURN_TYPE	Qualified Void Return Type	Yes	High
CPP_WARN_RANGE_LOOP_BIND_REFERENCE	Range Loop Bind Reference	Yes	
CPP_WARN_RANGE_LOOP_CONSTRUCT_NSTRUCT	Range Loop Construct	Yes	
CPP_WARN_REDECLARED_CLASS_MEMBER	Re-Declared Class Member	Yes	High
CPP_WARN_REDUNDANT_CONSTEVAL_IF	Redundant Consteval If	Yes	High
CPP_WARN_REDUNDANT_MOVE	Redundant Move	Yes	
CPP_WARN_REDUNDANT_PARENTHESES	Redundant Parentheses	Yes	
CPP_WARN_REGISTER	Register Keyword	Yes	

Check ID	Check Name	Supported	Severity
CPP_WARN_REINTERPRET_BASE_CLASS	Reinterpret Base Class	Yes	High
CPP_WARN_REORDER_CTOR	Reorder Constructor	Yes	
CPP_WARN_REORDER_INITIALIZER_LIST	Reorder Initializer List	Yes	High
CPP_WARN_RESERVED_IDENTIFIER	Reserved Identifier	Yes	
CPP_WARN_RESERVED_MACRO_IDENTIFIER	Reserved Macro Identifier	Yes	
CPP_WARN_RESERVED_USER_DEFINED_LITERAL	Reserved User Defined Literal	Yes	
CPP_WARN_RESTRICT_EXPANSION	Restrict Expansion	Yes	
CPP_WARN_RETAINED_LANGUAGE_LINKAGE	Retained Language Linkage	Yes	
CPP_WARN_RETURN_STACK_ADDRESS	Return Stack Address	Yes	High
CPP_WARN_RETURN_TYPE	Return Type	Yes	High
CPP_WARN_RETURN_TYPE_C_LINKAGE	Return Type C Linkage	Yes	High
CPP_WARN_REWRITE_NOT_BOOL	Rewrite Not Bool	Yes	
CPP_WARN_RTTI	Run-Time Type Information	Yes	
CPP_WARN_SARIF_FORMAT_UNSTABLE	SARIF Format Unstable	Yes	
CPP_WARN_SECTION	Section Attributes	Yes	
CPP_WARN_SELF_ASSIGN	Self Assign	Yes	
CPP_WARN_SELF_ASSIGN_FIELD	Self Assign Field	Yes	High
CPP_WARN_SELF_ASSIGN_OVERLOADED	Self Assign Overloaded	Yes	
CPP_WARN_SELF_MOVE	Self Move	Yes	
CPP_WARN_SENTINEL	Sentinel Attribute	Yes	
CPP_WARN_SERIALIZED_DIAGNOSTICS	Serialized Diagnostics	Yes	
CPP_WARN_SHADOW	Shadowing Identifiers	Yes	
CPP_WARN_SHADOW_FIELD	Shadowing Field	Yes	
CPP_WARN_SHADOW_FIELD_IN_CONSTRUCTOR	Shadowing Field in Constructor	Yes	
CPP_WARN_SHADOW_FIELD_IN_CONSTRUCTOR	Shadowing Field in Constructor	Yes	

Check ID	Check Name	Supported	Severity
N_CONSTRUCTOR_MODIFIED	Modified		
CPP_WARN_SHADOW_UNCAPTURED_LOCAL	Shadowing Uncaptured Local	Yes	
CPP_WARN_SHIFT_COUNT_NEGATIVE	Shift Count Negative	Yes	High
CPP_WARN_SHIFT_COUNT_OVERFLOW	Shift Count Overflow	Yes	High
CPP_WARN_SHIFT_NEGATIVE_VALUE	Shift Negative Value	Yes	High
CPP_WARN_SHIFT_OP_PARENTHESES	Shift Operator Parentheses	Yes	High
CPP_WARN_SHIFT_OVERFLOW	Shift Overflow	Yes	High
CPP_WARN_SHIFT_SIGN_OVERFLOW	Shift Sign Overflow	Yes	
CPP_WARN_SHORTEN_64_TO_32	Shorten Integer Type Width	Yes	
CPP_WARN_SIGN_COMPARE	Sign Compare	Yes	
CPP_WARN_SIGN_CONVERSION	Sign Conversion	Yes	
CPP_WARN_SIGNED_ENUM_BITFIELD	Signed Enum Bitfield	Yes	
CPP_WARN_SIGNED_UNSIGNED_WCHAR_D_WCHAR	Signed Unsigned Wchar	Yes	
CPP_WARN_SINGLE_BIT_BITFIELD_CONSTANT_CONVERSION	Single Bit Bitfield Constant Conversion	Yes	High
CPP_WARN_SIZEOF_ARRAY_ARGUMENT	Sizeof Array Argument	Yes	High
CPP_WARN_SIZEOF_ARRAY_DECAY	Sizeof Array Decay	Yes	High
CPP_WARN_SIZEOF_ARRAY_DIVISION	Sizeof Array Division	Yes	High
CPP_WARN_SIZEOF_POINTER_DIVISION	Sizeof Pointer Division	Yes	High
CPP_WARN_SIZEOF_POINTER_MEMORY_ACCESS	Sizeof Pointer Memory Access	Yes	High
CPP_WARN_SLASH_U_FILENAME	Slash U Filename	Yes	
CPP_WARN_SLH_ASM_GOTO	SLH (Speculative Load Hardening) Assembly Goto	Yes	

Check ID	Check Name	Supported	Severity
CPP_WARN_SOMETIMES_UNINITIALIZED	Sometimes Uninitialized	Yes	
CPP_WARN_SOURCE_USES_OPENMP	Source Uses OpenMP	Yes	
CPP_WARN_SPIR_COMPAT	SPIR (Sampler Initializer) Compatibility	Yes	
CPP_WARN_STACK_EXHAUSTED	Stack Exhausted	Yes	
CPP_WARN_STACK_PROTECTOR	Stack Protector	Yes	
CPP_WARN_STATIC_FLOAT_INIT	Static Float Init	Yes	
CPP_WARN_STATIC_IN_INLINE	Static in Inline	Yes	
CPP_WARN_STATIC_INLINE_EXPLICIT_INSTANTIATION	Static Inline Explicit Instantiation	Yes	High
CPP_WARN_STATIC_LOCAL_IN_INLINE	Static Local in Inline	Yes	High
CPP_WARN_STATIC_SELF_INIT	Static Self Init	Yes	High
CPP_WARN_STDLIBCXX_NOT_FOUND	LibStdC++ Headers Not Found	Yes	
CPP_WARN_STRICT_POTENTIALLY_DIRECT_SELECTOR	Strict Potentially Direct Selector	Yes	
CPP_WARN_STRICT_PROTOTYPES	Strict Prototypes	Yes	
CPP_WARN_STRICT_SELECTOR_MATCH	Strict Selector Match	Yes	
CPP_WARN_STRING_COMPARE	String Compare	Yes	High
CPP_WARN_STRING_CONCATENATION	String Concatenation	Yes	
CPP_WARN_STRING_CONVERSION	String Conversion	Yes	
CPP_WARN_STRING_PLUS_CHAR	String Plus Char	Yes	High
CPP_WARN_STRING_PLUS_INT	String Plus Int	Yes	High
CPP_WARN_STRLCPY_STRLCAT_SIZE	Strncpy Strlcat Size	Yes	High
CPP_WARN_STRNCAT_SIZE	Strncat Size	Yes	High
CPP_WARN_SUGGEST_DESTRUCTOR_OVERRIDE	Suggest Destructor Override	Yes	

Check ID	Check Name	Supported	Severity
CTOR_OVERRIDE			
CPP_WARN_SUGGEST_OVERRIDE	Suggest Override	Yes	
DE			
CPP_WARN_SUPER_CLASS_METHOD_MISMATCH	Super Class Method Mismatch	Yes	
ETHOD_MISMATCH			
CPP_WARN_SUSPICIOUS_BZERO	Suspicious Argument for Bzero Function	Yes	
RO			
CPP_WARN_SWITCH	Switch Statements	Yes	High
CPP_WARN_SWITCH_BOOL	Switch Bool	Yes	High
CPP_WARN_SWITCH_ENUM	Switch Enum	Yes	
CPP_WARN_SYNC_FETCH_AND_NAND	Sync Fetch And Nand	Yes	
D_NAND_SEMANTICS_CHANGED	Semantics Changed		
ED			
CPP_WARN_TARGET_CLONES_MIXED_SPECIFIERS	Target Clones Mixed Specifiers	Yes	
MIXED_SPECIFIERS			
CPP_WARN_TAUTOLOGICAL_BITWISE_COMPARE	Tautological Bitwise Compare	Yes	
ITWISE_COMPARE			
CPP_WARN_TAUTOLOGICAL_COMPARE	Tautological Compare	Yes	
OMPARE			
CPP_WARN_TAUTOLOGICAL_CONSTANT_COMPARE	Tautological Constant Compare	Yes	High
ONSTANT_COMPARE			
CPP_WARN_TAUTOLOGICAL_CONSTANT_OUT_OF_RANGE_COMPARE	Tautological Constant Out of Range Compare	Yes	High
ONSTANT_OUT_OF_RANGE_COMPARE			
OMPARE			
CPP_WARN_TAUTOLOGICAL_OVERLAP_COMPARE	Tautological Overlap Compare	Yes	
VERLAP_COMPARE			
CPP_WARN_TAUTOLOGICAL_POINTER_COMPARE	Tautological Pointer Compare	Yes	High
OINTER_COMPARE			
CPP_WARN_TAUTOLOGICAL_TYPE_LIMIT_COMPARE	Tautological Type Limit Compare	Yes	
YPE_LIMIT_COMPARE			
CPP_WARN_TAUTOLOGICAL_UNDEFINED_COMPARE	Tautological Undefined Compare	Yes	High
NDEFINED_COMPARE			
CPP_WARN_TAUTOLOGICAL_UNSIGNED_CHAR_ZERO_COMPARE	Tautological Unsigned Char Zero Compare	Yes	
NSIGNED_CHAR_ZERO_COMPARE			
ARE			
CPP_WARN_TAUTOLOGICAL_UNSIGNED_ENUM_ZERO_COMPARE	Tautological Unsigned Enum Zero Compare	Yes	
NSIGNED_ENUM_ZERO_COMPARE			
ARE			
CPP_WARN_TAUTOLOGICAL_UNSIGNED_ZERO_COMPARE	Tautological Unsigned Zero Compare	Yes	
NSIGNED_ZERO_COMPARE			

Check ID	Check Name	Supported	Severity
CPP_WARN_TAUTOLOGICAL_VALUE_RANGE_COMPARE	Tautological Value Range Compare	Yes	
CPP_WARN_TCB_ENFORCEMENT	TCB (Trusted Computing Base) Enforcement	Yes	
CPP_WARN_TENTATIVE_DEFINITION_INCOMPLETE_TYPE	Tentative Definition Incomplete Type	Yes	High
CPP_WARN_THREAD_SAFETY_ANALYSIS	Thread Safety Analysis	Yes	
CPP_WARN_THREAD_SAFETY_ATTRIBUTES	Thread Safety Attributes	Yes	
CPP_WARN_THREAD_SAFETY_BETA	Thread Safety Beta	Yes	
CPP_WARN_THREAD_SAFETY_NEGATIVE	Thread Safety Negative	Yes	
CPP_WARN_THREAD_SAFETY_PRECISE	Thread Safety Precise	Yes	
CPP_WARN_THREAD_SAFETY_REFERENCE	Thread Safety Reference	Yes	
CPP_WARN_THREAD_SAFETY_VERBOSE	Thread Safety Verbose	Yes	
CPP_WARN_TRIGRAPHS	Trigraphs	Yes	High
CPP_WARN_TYPE_SAFETY	Type Safety	Yes	High
CPP_WARN_TYPEDEF_REDEFINITION	Typedef Redefinition	Yes	High
CPP_WARN_TYPENAME_MISSING	Typename Missing	Yes	High
CPP_WARN_UNABLE_TO_OPEN_STATS_FILE	Unable to Open Stats File	Yes	
CPP_WARN_UNALIGNED_ACCESS	Unaligned Access	Yes	
CPP_WARN_UNALIGNED_QUALIFIER_IMPLICIT_CAST	Unaligned Qualifier Implicit Cast	Yes	
CPP_WARN_UNDEF	Undefined Macros	Yes	
CPP_WARN_UNDEF_PREFIX	Undefined Macros of a Certain Prefix	Yes	
CPP_WARN_UNDEFINED_BOOL_CONVERSION	Undefined Bool Conversion	Yes	High
CPP_WARN_UNDEFINED_FUNCTION_TEMPLATE	Undefined Function Template	Yes	
CPP_WARN_UNDEFINED_INLINE	Undefined Inline	Yes	High

Check ID	Check Name	Supported	Severity
E			
CPP_WARN_UNDEFIN	Undefined Internal	Yes	High
CPP_WARN_UNDEFIN	Undefined Internal Type	Yes	
CPP_WARN_UNDEFIN	Undefined Reinterpret Cast	Yes	
CPP_WARN_UNDEFIN	Undefined Var Template	Yes	High
CPP_WARN_UNDERALIGNED	Underaligned Exception Object	Yes	
CPP_WARN_UNEVALUATED	Unevaluated Expression	Yes	High
CPP_WARN_UNGUARDED	Unguarded Availability	Yes	
CPP_WARN_UNGUARDED	Unguarded Availability New	Yes	High
CPP_WARN_UNICODE	Unicode Escape Sequences	Yes	High
CPP_WARN_UNICODE	Unicode Homoglyph	Yes	High
CPP_WARN_UNICODE	Unicode Whitespace	Yes	High
CPP_WARN_UNICODE	Unicode Zero Width	Yes	High
CPP_WARN_UNINITIALIZED	Uninitialized	Yes	
CPP_WARN_UNINITIALIZED	Uninitialized Const Reference	Yes	
CPP_WARN_UNKNOWN	Unknown Argument	Yes	
CPP_WARN_UNKNOWN	Unknown Assumption	Yes	
CPP_WARN_UNKNOWN	Unknown Attributes	Yes	
CPP_WARN_UNKNOWN	Unknown Directives	Yes	High
CPP_WARN_UNKNOWN	Unknown Escape Sequence	Yes	High
CPP_WARN_UNKNOWN	Unknown Pragmas	Yes	
CPP_WARN_UNKNOWN	Unknown Sanitizers	Yes	

Check ID	Check Name	Supported	Severity
IZERS			
CPP_WARN_UNKNOWN_WARN_OPTION	Unknown Warning Option	Yes	
CPP_WARN_UNNAMED_TYPE_TEMPLATE_ARGS	Unnamed Type Template Args	Yes	
CPP_WARN_UNNEEDED_INTERNAL_DECLARATION	Unneeded Internal Declaration	Yes	
CPP_WARN_UNNEEDED_MEMBER_FUNCTION	Unneeded Member Function	Yes	
CPP_WARN_UNQUALIFIED_STANDARD_CAST_CALL	Unqualified Standard Cast Call	Yes	High
CPP_WARN_UNREACHABLE_CODE	Unreachable Code	Yes	
CPP_WARN_UNREACHABLE_CODE_BREAK	Unreachable Code Break	Yes	
CPP_WARN_UNREACHABLE_CODE_FALLTHROUGH	Unreachable Code Fallthrough	Yes	
CPP_WARN_UNREACHABLE_CODE_GENERIC_ASSOC	Unreachable Code Generic Assoc	Yes	
CPP_WARN_UNREACHABLE_CODE_LOOP_INCREMENT	Unreachable Code Loop Increment	Yes	
CPP_WARN_UNREACHABLE_CODE_RETURN	Unreachable Code Return	Yes	
CPP_WARN_UNSAFE_BUFFER_USAGE	Unsafe Buffer Usage	Yes	
CPP_WARN_UNSEQUENCED	Unsequenced Modifications	Yes	High
CPP_WARN_UNSUPPORTED_ABI	Unsupported ABI (Application Binary Interface)	Yes	
CPP_WARN_UNSUPPORTED_ABSOLUTE_VALUE_ARGUMENT	Unsupported Absolute Value Argument	Yes	
CPP_WARN_UNSUPPORTED_AVAILABILITY_GUARD	Unsupported Availability Guard	Yes	High
CPP_WARN_UNSUPPORTED_COMPACT_BRANCHES	Unsupported Compact Branches	Yes	
CPP_WARN_UNSUPPORTED_DLL_BASE_CLASS_TEMPLATE	Unsupported DLL Base Class Template	Yes	
CPP_WARN_UNSUPPORTED_FLOATING_POINT_OPTION	Unsupported Floating Point Option	Yes	
CPP_WARN_UNSUPPORTED_FRIEND	Unsupported Friend	Yes	High

Check ID	Check Name	Supported	Severity
CPP_WARN_UNSUPPORTED_GPOPT	Unsupported GPOpt (Gaussian Process Optimization)	Yes	
CPP_WARN_UNSUPPORTED_NAN	Unsupported Nan Argument	Yes	
CPP_WARN_UNSUPPORTED_TARGET_OPT	Unsupported Target Option	Yes	
CPP_WARN_UNSUPPORTED_VISIBILITY	Unsupported Visibility	Yes	
CPP_WARN_UNUSABLE_PARTIAL_SPECIALIZATION	Unusable Partial Specialization	Yes	
CPP_WARN_UNUSED_PARAMETER	Unused but Set Parameter	Yes	
CPP_WARN_UNUSED_VARIABLE	Unused but Set Variable	Yes	
CPP_WARN_UNUSED_COMMAND_LINE_ARGUMENT	Unused Command Line Argument	Yes	
CPP_WARN_UNUSED_COMPARISON	Unused Comparison	Yes	High
CPP_WARN_UNUSED_CONST_VARIABLE	Unused Const Variable	Yes	
CPP_WARN_UNUSED_EXCEPTION_PARAMETER	Unused Exception Parameter	Yes	
CPP_WARN_UNUSED_FUNCTION	Unused Function	Yes	
CPP_WARN_UNUSED_GETTER_RETURN_VALUE	Unused Getter Return Value	Yes	
CPP_WARN_UNUSED_LABEL	Unused Label	Yes	
CPP_WARN_UNUSED_LAMBDA_CAPTURE	Unused Lambda Capture	Yes	
CPP_WARN_UNUSED_LOCAL_TYPEDEF	Unused Local Typedef	Yes	
CPP_WARN_UNUSED_MACRO	Unused Macros	Yes	
CPP_WARN_UNUSED_MEMBER_FUNCTION	Unused Member Function	Yes	
CPP_WARN_UNUSED_PARAMETER	Unused Parameter	Yes	
CPP_WARN_UNUSED_PRIVATE_FIELD	Unused Private Field	Yes	
CPP_WARN_UNUSED_PROPERTY_IVAR	Unused Property IVar (Instance	Yes	

Check ID	Check Name	Supported	Severity
TY_IVAR	Variable)		
CPP_WARN_UNUSED_RESULT	Unused Result	Yes	High
CPP_WARN_UNUSED_TEMPLATE	Unused Template	Yes	
CPP_WARN_UNUSED_VALUE	Unused Value	Yes	High
CPP_WARN_UNUSED_VARIABLE	Unused Variable	Yes	
CPP_WARN_UNUSED_VOLATILE_LVALUE	Unused Volatile Lvalue	Yes	High
CPP_WARN_USED_BUT_MARKED_UNUSED	Used but Marked Unused	Yes	
CPP_WARN_USER_DEFINED_LITERAL	User Defined Literals	Yes	High
CPP_WARN_USER_DEFINED_WARNINGS	User Defined Warnings	Yes	
CPP_WARN_VARARGS	Variadic Arguments	Yes	High
CPP_WARN_VARIADIC_MACROS	Variadic Macros	Yes	
CPP_WARN_VEC_ELEM_SIZE	Vector Element Size	Yes	
CPP_WARN_VECTOR_CONVERSION	Vector Conversion	Yes	
CPP_WARN_VEXING_PARSE	Vexing Parse Occurrences	Yes	High
CPP_WARN_VISIBILITY	Visibility of Declarations	Yes	High
CPP_WARN_VLA	VLA (Variable Length Array)	Yes	
CPP_WARN_VLA_EXTENSION	VLA (Variable Length Array) Extension	Yes	
CPP_WARN_VOID_POINTER_TO_ENUM_CAST	Void Pointer to Enum Cast	Yes	High
CPP_WARN_VOID_POINTER_TO_INT_CAST	Void Pointer to Int Cast	Yes	High
CPP_WARN_VOID_PTR_DEREFERENCE	Void Pointer Dereference	Yes	High
CPP_WARN_WARNINGS	Preprocessor #Warnings	Yes	
CPP_WARN_WASM_EXCEPTION_SPEC	Wasm Exception Spec	Yes	
CPP_WARN_WEAK_VTABLES	Weak VTables (Virtual Tables)	Yes	
CPP_WARN_WRITABLE_STRINGS	Writable Strings	Yes	High
CPP_WARN_XOR_USED_AS_POWER_OF	Xor Used as Power	Yes	High

Check ID	Check Name	Supported	Severity
CPP_WARN_ZERO_AS_NULL_POINTER_CONSTANT	Zero as Null Pointer Constant	Yes	
CPP_WARN_ZERO_LENGTH_ARRAY	Zero Length Array	Yes	
CWE-119B	Improper Restriction of Operations within the Bounds of a Memory Buffer(Part B: Write)	Yes	
CWE-787	Out-of-bounds Write	Yes	