

Coverity



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

Tool Version: v 7/5.0

Checker	Guideline
ATOMICITY	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
BAD_EQ	EXP02-J. Do not use the Object.equals() method to compare two arrays
BAD_EQ	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
BAD_EQ	FIO16-J. Canonicalize path names before validating them
BAD_SHIFT	NUM00-J. Detect or prevent integer overflow
CALL_SUPER	MET12-J. Do not use finalizers
CHECKED_RETURN	EXP00-J. Do not ignore values returned by methods
CHECKED_RETURN	FIO09-J. Do not rely on the write() method to output integers outside the range 0 to 255
CONFIG	MSC03-J. Never hard code sensitive information
DC.CODING_STYLE	ERR09-J. Do not allow untrusted code to terminate the JVM
DC.THREADING	MET12-J. Do not use finalizers
DC.THREADING.thread_run	THI00-J. Do not invoke Thread.run()
DIVIDE_BY_ZERO	NUM02-J. Ensure that division and remainder operations do not result in divide-by-zero errors
DOUBLE_CHECK_LOCK	LCK10-J. Use a correct form of the double-checked locking idiom
FB.BC_NULL_INSTANCEOF	EXP01-J. Do not use a null in a case where an object is required
FB.DC_DOUBLECHECK	LCK10-J. Use a correct form of the double-checked locking idiom
FB.DM_EXIT	ERR09-J. Do not allow untrusted code to terminate the JVM
FB.DMI_CONSTANT_DB_PASSWORD	MSC03-J. Never hard code sensitive information
FB.DMI_EMPTY_DB_PASSWORD	MSC03-J. Never hard code sensitive information
FB.EI_EXPOSE_REP	OBJ04-J. Provide mutable classes with copy functionality to safely allow passing instances to untrusted code
FB.EI_EXPOSE_REP2	OBJ04-J. Provide mutable classes with copy functionality to safely allow passing instances to untrusted code
FB.EQ_ABSTRACT_SELF	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_ABSTRACT_SELF	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_ALWAYS_FALSE	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_ALWAYS_FALSE	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_ALWAYS_TRUE	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_ALWAYS_TRUE	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_CHECK_FOR_OPERAND_NOT_COMPATIBLE_WITH_THIS	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_CHECK_FOR_OPERAND_NOT_COMPATIBLE_WITH_THIS	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_COMPARETO_USE_OBJECT_EQUALS	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_COMPARETO_USE_OBJECT_EQUALS	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_COMPARING_CLASS_NAMES	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_COMPARING_CLASS_NAMES	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_DOESNT_OVERRIDE_EQUALS	EXP02-J. Do not use the Object.equals() method to compare two arrays

FB.EQ_DOESNT_OVERRIDE_EQUALS	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_DONT_DEFINE_EQUALS_FOR_ENUM	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_DONT_DEFINE_EQUALS_FOR_ENUM	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_GETCLASS_AND_CLASS_CONSTANT	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_GETCLASS_AND_CLASS_CONSTANT	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_OTHER_NO_OBJECT	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_OTHER_NO_OBJECT	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_OTHER_USE_OBJECT	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_OTHER_USE_OBJECT	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_OVERRIDING_EQUALS_NOT_SYMMETRIC	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_OVERRIDING_EQUALS_NOT_SYMMETRIC	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_SELF_NO_OBJECT	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_SELF_NO_OBJECT	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_SELF_USE_OBJECT	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_SELF_USE_OBJECT	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.EQ_UNUSUAL	EXP02-J. Do not use the Object.equals() method to compare two arrays
FB.EQ_UNUSUAL	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.ES_COMPARING_PARAMETER_STRING_WITH_EQ	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.ES_COMPARING_PARAMETER_STRING_WITH_EQ	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.ES_COMPARING_STRINGS_WITH_EQ	EXP03-J. Do not use the equality operators when comparing values of boxed primitives
FB.FI_EMPTY	MET12-J. Do not use finalizers
FB.FI_EXPLICIT_INVOCATION	MET12-J. Do not use finalizers
FB.FI_FINALIZER_NULLS_FIELDS	MET12-J. Do not use finalizers
FB.FI_FINALIZER_ONLY_NULLS_FIELDS	MET12-J. Do not use finalizers
FB.FI_MISSING_SUPER_CALL	MET12-J. Do not use finalizers
FB.FI_NULLIFY_SUPER	MET12-J. Do not use finalizers
FB.FI_PUBLIC_SHOULD_BE_PROTECTED	MET12-J. Do not use finalizers
FB.FI_USELESS	MET12-J. Do not use finalizers
FB.IS2_INCONSISTENT_SYNC	VNA02-J. Ensure that compound operations on shared variables are atomic
FB.IS2_INCONSISTENT_SYNC	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
FB.IS_FIELD_NOT_GUARDED	VNA02-J. Ensure that compound operations on shared variables are atomic
FB.IS_FIELD_NOT_GUARDED	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
FB.IS_INCONSISTENT_SYNC	VNA02-J. Ensure that compound operations on shared variables are atomic
FB.IS_INCONSISTENT_SYNC	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
FB.LI_LAZY_INIT_STATIC	MSC07-J. Prevent multiple instantiations of singleton objects
FB.LI_LAZY_INIT_UPDATE_STATIC	MSC07-J. Prevent multiple instantiations of singleton objects
FB.MS_SHOULD_BE_FINAL	OBJ10-J. Do not use public static nonfinal fields
FB.NP_ALWAYS_NULL	EXP01-J. Do not use a null in a case where an object is required
FB.NP_ALWAYS_NULL_EXCEPTION	EXP01-J. Do not use a null in a case where an object is required
FB.NP_ARGUMENT_MIGHT_BE_NULL	EXP01-J. Do not use a null in a case where an object is required
FB.NP_BOOLEAN_RETURN_NULL	EXP01-J. Do not use a null in a case where an object is required
FB.NP_CLONE_COULD_RETURN_NULL	EXP01-J. Do not use a null in a case where an object is required
FB.NP_CLOSING_NULL	EXP01-J. Do not use a null in a case where an object is required
FB.NP_DEREFERENCE_OF_READLINE_VALUE	EXP01-J. Do not use a null in a case where an object is required
FB.NP_DOES_NOT_HANDLE_NULL	EXP01-J. Do not use a null in a case where an object is required
FB.NP_EQUALS_SHOULD_HANDLE_NULL_ARGUMENT	EXP01-J. Do not use a null in a case where an object is required
FB.NP_FIELD_NOT_INITIALIZED_IN_CONSTRUCTOR	EXP01-J. Do not use a null in a case where an object is required

FB.NP_GUARANTEED_DEREF	EXP01-J. Do not use a null in a case where an object is required
FB.NP_GUARANTEED_DEREF_ON_EXCEPTION_PATH	EXP01-J. Do not use a null in a case where an object is required
FB.NP_IMMEDIATE_DEREFERENCE_OF_READLINE	EXP01-J. Do not use a null in a case where an object is required
FB.NP_LOAD_OF_KNOWN_NULL_VALUE	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NONNULL_FIELD_NOT_INITIALIZED_IN_CONSTRUCTOR	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NONNULL_PARAM_VIOLATION	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NONNULL_RETURN_VIOLATION	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NULL_INSTANCEOF	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NULL_ON_SOME_PATH	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NULL_ON_SOME_PATH_EXCEPTION	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NULL_ON_SOME_PATH_FROM_RETURN_VALUE	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NULL_ON_SOME_PATH_MIGHT_BE_INFEASIBLE	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NULL_PARAM_DEREF	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NULL_PARAM_DEREF_NONVIRTUAL	EXP01-J. Do not use a null in a case where an object is required
FB.NP_NULL_PARAM_DEREF_ALL_TARGETS_DANGEROUS	EXP01-J. Do not use a null in a case where an object is required
FB.NP_PARAMETER_MUST_BE_NON_NULL_BUT_MARKED_AS_NULLABLE	EXP01-J. Do not use a null in a case where an object is required
FB.NP_STORE_INTO_NONNULL_FIELD	EXP01-J. Do not use a null in a case where an object is required
FB.NP_TOSTRING_COULD_RETURN_NULL	EXP01-J. Do not use a null in a case where an object is required
FB.NP_UNWRITTEN_FIELD	EXP01-J. Do not use a null in a case where an object is required
FB.NP_UNWRITTEN_PUBLIC_OR_PROTECTED_FIELD	EXP01-J. Do not use a null in a case where an object is required
FB.RCN_REDUNDANT_COMPARISON_OF_NULL_AND_NONNULL_VALUE	EXP01-J. Do not use a null in a case where an object is required
FB.RCN_REDUNDANT_COMPARISON_TWO_NULL_VALUES	EXP01-J. Do not use a null in a case where an object is required
FB.RCN_REDUNDANT_NULLCHECK_OF_NONNULL_VALUE	EXP01-J. Do not use a null in a case where an object is required
FB.RCN_REDUNDANT_NULLCHECK_OF_NULL_VALUE	EXP01-J. Do not use a null in a case where an object is required
FB.RCN_REDUNDANT_NULLCHECK_WOULD_HAVE_BEEN_A_NPE	EXP01-J. Do not use a null in a case where an object is required
FB.RU_INVOKE_RUN	MET10-J. Follow the general contract when implementing the compareTo() method
FB.SQL_NONCONSTANT_STRING_PASSED_TO_EXECUTE	IDS00-J. Prevent SQL injection
FB.SQL_PREPARED_STATEMENT_GENERATED_	IDS00-J. Prevent SQL injection
FB.STCAL_INVOKE_ON_STATIC_CALENDAR_INSTANCE	VNA02-J. Ensure that compound operations on shared variables are atomic
FB.STCAL_INVOKE_ON_STATIC_CALENDAR_INSTANCE	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
FB.STCAL_INVOKE_ON_STATIC_DATE_FORMAT_INSTANCE	VNA02-J. Ensure that compound operations on shared variables are atomic
FB.STCAL_INVOKE_ON_STATIC_DATE_FORMAT_INSTANCE	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
FB.STCAL_STATIC_CALENDAR_INSTANCE	VNA02-J. Ensure that compound operations on shared variables are atomic
FB.STCAL_STATIC_CALENDAR_INSTANCE	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
FB.STCAL_STATIC_SIMPLE_DATE_FORMAT_INSTANCE	VNA02-J. Ensure that compound operations on shared variables are atomic
FB.STCAL_STATIC_SIMPLE_DATE_FORMAT_INSTANCE	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
FORWARD_NULL	EXP01-J. Do not use a null in a case where an object is required
GUARDED_BY_VIOLATION	VNA02-J. Ensure that compound operations on shared variables are atomic
GUARDED_BY_VIOLATION	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
HARDCODED_CREDENTIALS	MSC03-J. Never hard code sensitive information
INDIRECT_GUARDED_BY_VIOLATION	VNA02-J. Ensure that compound operations on shared variables are atomic
INDIRECT_GUARDED_BY_VIOLATION	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
ITERATOR	FIO04-J. Release resources when they are no longer needed
JDBC_CONNECTION	FIO04-J. Release resources when they are no longer needed
LOCK_INVERSION	LCK07-J. Avoid deadlock by requesting and releasing locks in the same order

LOCK_ORDERING	LCK07-J. Avoid deadlock by requesting and releasing locks in the same order
MISSING_THROW	ERR00-J. Do not suppress or ignore checked exceptions
NON_STATIC_GUARDING_STATIC	VNA02-J. Ensure that compound operations on shared variables are atomic
NON_STATIC_GUARDING_STATIC	VNA02-J. Ensure that compound operations on shared variables are atomic
NON_STATIC_GUARDING_STATIC	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
NON_STATIC_GUARDING_STATIC	VNA03-J. Do not assume that a group of calls to independently atomic methods is atomic
NULL_RETURNS	EXP01-J. Do not use a null in a case where an object is required
OS_CMD_INJECTION	IDS07-J. Sanitize untrusted data passed to the Runtime.exec() method
OVERFLOW_BEFORE_WIDEN	NUM00-J. Detect or prevent integer overflow
PATH_MANIPULATION	FIO16-J. Canonicalize path names before validating them
PW.ABNORMAL_TERMINATION_OF_FINALLY_BLOCK	ERR04-J. Do not complete abruptly from a finally block
PW.ABNORMAL_TERMINATION_OF_FINALLY_BLOCK	ERR05-J. Do not let checked exceptions escape from a finally block
RESOURCE_LEAK	FIO04-J. Release resources when they are no longer needed
REVERSE_NULL	EXP01-J. Do not use a null in a case where an object is required
RISKY_CRYPT0	MSC02-J. Generate strong random numbers
SERVLET_ATOMI0ITY	VNA00-J. Ensure visibility when accessing shared primitive variables
SERVLET_ATOMI0ITY	VNA02-J. Ensure that compound operations on shared variables are atomic
SINGLETON_RACE	MSC07-J. Prevent multiple instantiations of singleton objects
SQLI	IDS00-J. Prevent SQL injection
UNSAFE_DESERIALIZATION	SER01-J. Do not deviate from the proper signatures of serialization methods
UNSAFE_DESERIALIZATION	SER03-J. Do not serialize unencrypted sensitive data
UNSAFE_DESERIALIZATION	SER06-J. Make defensive copies of private mutable components during deserialization
UNSAFE_DESERIALIZATION	SER07-J. Do not use the default serialized form for classes with implementation-defined invariants
UNSAFE_LAZY_INIT	MSC07-J. Prevent multiple instantiations of singleton objects
UNSAFE_REFLECTION	SEC02-J. Do not base security checks on untrusted sources