Rule 03. Integers (INT)

- INT50-CPP. Do not cast to an out-of-range enumeration value

The following rules from the SEI CERT C Coding Standard also apply in C++:

- INT30-C. Ensure that unsigned integer operations do not wrap
- INT31-C. Ensure that integer conversions do not result in lost or misinterpreted data
- INT32-C. Ensure that operations on signed integers do not result in overflow
- INT33-C. Ensure that division and remainder operations do not result in divide-by-zero errors
- INT34-C. Do not shift an expression by a negative number of bits or by greater than or equal to the number of bits that exist in the operand
- INT35-C. Use correct integer precisions
- INT36-C. Converting a pointer to integer or integer to pointer

Risk Assessment Summary

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