Hitlist Summary

File: b_gets.cpp, Line: 13, Column: 5

Warning: Does not check for buffer overflows (CWE-120, CWE-20)

Suggestion: Use fgets() instead

File: race.cpp, Line: 33, Column: 13

Warning: This accepts filename arguments; if an attacker can move those files, a race condition results. (C

Suggestion: Use fchown( ) instead

File: c_shellExecute.cpp, Line: 7, Column: 14

Warning: This causes a new program to execute and is difficult to use safely (CWE-78)

Suggestion: try using a library call that implements the same functionality if available

File: e_catching.cpp, Line: 13, Column: 5

Warning: Generic catch used, may obscure exceptions

Suggestion: Review to ensure appropriate exception handling and logging

File: e_catching.cpp, Line: 22, Column: 5

Warning: Broad exception catch used

Suggestion: Differentiate exceptions more finely to handle specific error cases properly

File: f_printf.cpp, Line: 17, Column: 5

Warning: If format strings can be influenced by an attacker, they can be exploited (CWE-134)

Suggestion: Use a constant for the format specification

File: race.cpp, Line: 23, Column: 14

Warning: This usually indicates a security flaw. If an attacker can change anything along the path betwee

Suggestion: Set up the correct permissions (e.g., using setuid()) and try to open the file directly

File: c_shellExecute.cpp, Line: 7, Column: 10

Warning: Potential for integer overflow (CWE-190)

Suggestion: Ensure that type casting do not exceed the data type's limits, consider using safe checks befo

File: int_flow.cpp, Line: 10, Column: 14

Warning: Potential for integer overflow (CWE-190)

Suggestion: Ensure that type casting do not exceed the data type's limits, consider using safe checks befo

File: random.cpp, Line: 11, Column: 5

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 12, Column: 5

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 18, Column: 49

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 24, Column: 50

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 27, Column: 48

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 30, Column: 55

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 34, Column: 50

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 37, Column: 50

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 41, Column: 5

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 42, Column: 73

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 46, Column: 5

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: random.cpp, Line: 47, Column: 63

Warning: This function is not sufficiently random for security-related functions such as key and nonce creat

Suggestion: Replace with a cryptographically secure pseudo-random number generation method. Conside

File: b_gets.cpp, Line: 11, Column: 5

Warning: Statically-sized arrays can be improperly restricted, leading to potential overflows or other issues

Suggestion: Perform bounds checking, use functions that limit length, or ensure that the size is larger than

File: b_memcpy.cpp, Line: 12, Column: 5

Warning: Statically-sized arrays can be improperly restricted, leading to potential overflows or other issues

Suggestion: Perform bounds checking, use functions that limit length, or ensure that the size is larger than

File: b_memcpy.cpp, Line: 16, Column: 5

Warning: Does not check for buffer overflows when copying to destination (CWE-120)

Suggestion: Make sure destination can always hold the source data

File: b_strlen.cpp, Line: 9, Column: 5

Warning: Statically-sized arrays can be improperly restricted, leading to potential overflows or other issues

Suggestion: Perform bounds checking, use functions that limit length, or ensure that the size is larger than

File: f_printf.cpp, Line: 11, Column: 5

Warning: Statically-sized arrays can be improperly restricted, leading to potential overflows or other issues

Suggestion: Perform bounds checking, use functions that limit length, or ensure that the size is larger than

File: race.cpp, Line: 14, Column: 14

Warning: Check when opening files - can an attacker redirect it (via symlinks), force the opening of special

Suggestion:

File: b_memcpy.cpp, Line: 16, Column: 32

Warning: Does not handle strings that are not \0-terminated; if given one it may perform an over-read (it co

Suggestion:

File: b_strlen.cpp, Line: 12, Column: 18

Warning: Does not handle strings that are not \0-terminated; if given one it may perform an over-read (it co

Suggestion:

File: f_printf.cpp, Line: 8, Column: 5

Warning: If format strings can be influenced by an attacker, they can be exploited (CWE-134)

Suggestion: Use a constant for the format specification

File: f_printf.cpp, Line: 13, Column: 5

Warning: If format strings can be influenced by an attacker, they can be exploited (CWE-134)

Suggestion: Use a constant for the format specification