

=what gets you off= gets function in C Stack Overflow Why is the gets function so dangerous that it should not be used?.

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Original URL: <https://tools.orientwatchusa.com/what-gets-you-off.pdf>

Dec 3 2010 The Early Buggets the Internet Worm The problems in C are not confined to just the language. Some routines in the standard library have unsafe semantics

This was dramatically demonstrated in November 1988 by the worm program that wriggled through thousands of machines on the Internet network Why is gets dangerous The first internet worm the Morris Internet Worm escaped about 30 years ago 1988 11 02 and it used gets and a buffer overflow as one of its methods of propagating from system to system

The basic problem is that the function doesn't know how big the buffer is so it continues reading until it finds a newline or encounters EOF and may overflow the bounds of the buffer Jul 10 2015 And the difference between gets scanf and fgets is that gets and scanf only scan until the first space while fgets scans the whole input

but be sure to clean the buffer afterwards so you won't get an overflow later on Oct 15 2012 The gets function does not perform bounds checking therefore this function is extremely vulnerable to buffer overflow attacks

It cannot be used safely unless the program runs in an environment which restricts what can appear on stdin Feb 9 2015 The problematic difference between gets and fgets is that gets removes the trailing \n from an input line but fgets keeps it

This means an empty line returned by fgets will actually be the string \n

The nasty difference that means it's best to avoid gets altogether is that if you give gets a line that's too long your program will crash in very bad ways Jun 20 2025 2 Why was the gets function removed instead of just changing its signature? At least in part because removing gets from the language specification does not mean that implementations must remove it only that providing it is no longer a conformance requirement Feb 23 2021 I have a confusion related to using puts gets putchar and getchar simultaneously use in the code

When I have run the below code it is doing all steps taking the input printing the output again taking the input printing the output Oct 28 2014 gets Reads characters from stdin and stores them as a string

scanf Reads data from stdin and stores them according to the format specified in the scanf statement like %d %f %s etc Nov 20 2022 Take a look at gets reference Get string from stdin Reads characters from the standard input stdin and stores them as a C string into str until a newline character or the end of file is reached

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