



Stacking frames in memory. The stack grows downwards from high memory addresses to low memory addresses. The top of the stack is the highest memory address, and the bottom is the lowest. The stack pointer (SP) points to the top of the stack. The frame pointer (FP) points to the top of the current frame.

### samy 000

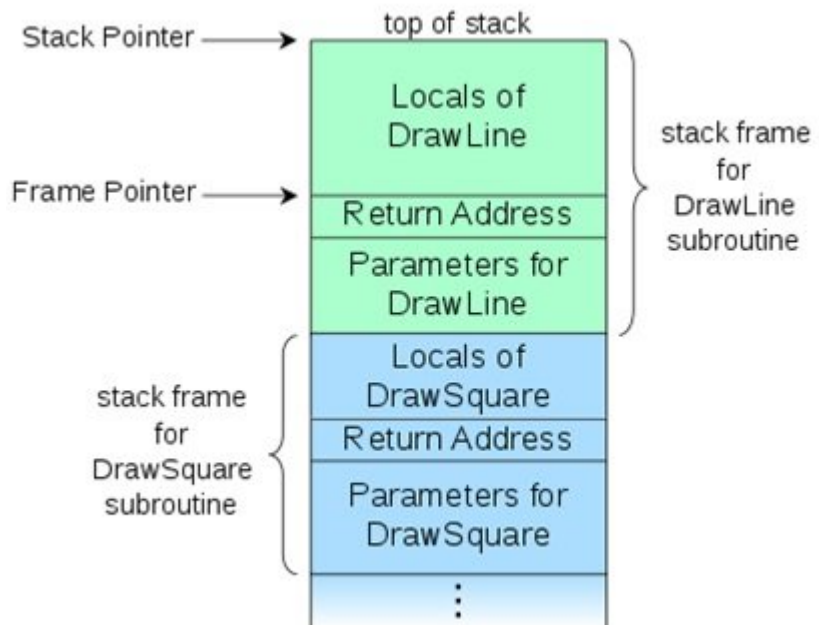
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### justin.tv 000

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Return Oriented Programming (ROP) is a technique for exploiting vulnerabilities in programs. It involves chaining together instructions from different parts of the program to perform a desired action. The stack is a common target for ROP attacks because it contains return addresses and parameters for subroutines.



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Stack smashing is a technique for exploiting vulnerabilities in programs. It involves overflowing a buffer on the stack, which can overwrite return addresses and other important data. This can lead to arbitrary code execution or program crashes. Stack smashing attacks are often used in conjunction with other techniques like ROP.





