Hacking, 2nd edition

The Art of Exploitation

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errata updated to print 23

Page	Error	Correction	Print corrected
3	The Digital Millennium Copyright Act (DCMA) of 1998 makes it illegal to discuss or provide technology that might be used to bypass industry consumer controls.	The Digital Millennium Copyright Act (DMCA) of 1998 makes it illegal to discuss or provide technology that might be used to bypass industry consumer controls.	Print 3
19	<pre>printf("Hello, world!\n");</pre>	<pre>puts("Hello, world!\n");</pre>	Print 19
22	The 32-bit processors have 2^{32} (or 4,294,967,296) possible addresses, while the 64-bit ones have 2^{64} (1.84467441 × 10¹⁹) possible addresses.	The 32-bit processors have 2 ³² (or 4,294,967,296) possible addresses, while current 64-bit processors have a 48-bit address space, allowing for 2⁴⁸ addresses.	Print 5
25	Currently, it points to a memory address at 0x804838a.	Currently, it points to a memory address at 0x804837a.	Print 5
38	The character array was defined, so 20 bytes are allocated for it, but only 12 of these bytes are actually used.	The character array was defined, so 20 bytes are allocated for it, but only 15 of these bytes are actually used.	Print 8
55-57	<pre>for(i=0; i < 5; i++) { // Iterate through the int array with the int_pointer. snip for(i=0; i < 5; i++) { // Iterate through the char array with the char_pointer.</pre>	<pre>for(i=0; i < 5; i++) { // Iterate through the char array with the int_pointer. snip for(i=0; i < 5; i++) { // Iterate through the int array with the char_pointer.</pre>	Print 3
71	The local variables for the function include a single character called flag and a 10- character buffer called buffer	The local variables for the function include a 4-byte integer called flag and a 10-character buffer called buffer	Print 3
72	(gdb) disass test_function()	(gdb) disass test_function	Print 9
87	For the other two simplenote files, the owner is reader and the group is users.	For the other two simplenote * files, the owner is reader and the group is users and reader.	Print 3
88	The first command (chmod 721) gives read, write, and execute permissions to the user	The first command (chmod 731) gives read, write, and execute permissions to the user	Print 4
114	increase your chances of finding the ace from 33 percent to 50 percent	increase your chances of finding the ace from 33 percent to 66 percent	Print 3

Page	Error	Correction	Print corrected
128	Figure replacement	auth_flag variable	Print 4
I		password_buffer voriable	
I		Saved frame pointer (SFP)	
I		Return address (ret)	
I		*password (func argument)	
I		main()'s stack frame	
148	The system() function is used in the notesearch_exploit.c program to execute a command.	The system() function is used in the exploit_notesearch.c program to execute a command.	Print 5
153	The same password with a different salt produces a different salt.	The same password with a different salt produces a different hash.	Print 4
197	The next later is the data link layer.	The next layer is the data link layer.	Print 19
298	The extra backslash doesn't matter and is effectively ignored	The extra slash doesn't matter and is effectively ignored	Print 8