

Address	Stack	Asm code	Register's value
...	
		xor eax, eax	eax = 0
	0000	push eax	
	//sh	push "//sh"	
Add1	/bin	push "bin"	
		mov ebx, esp	ebx = Add1
		xor edx, edx	edx = 0
		mov dx, "-c"	edx = -c00
Add2	-c00	push edx	
		mov edx, esp	edx = Add2
		xor ecx, ecx	ecx = 0
		mov cx, "la"	ecx = la00
	la00	push ecx	
Add3	ls -	push "ls -"	
		mov ecx, esp	ecx = Add3
	0000	push eax	
	Add3	push ecx	
	Add2	push edx	
Add4	Add1	push ebx	
		mov ecx, esp	ecx = Add4

* The stack in above demonstration expands downwards

	Category
	Unaffected
	Final value before invoking execvp