March Marc				1					1	Other broader declaration					
										Github verified fix location compared to our fix					
Part	Project	S.No Lea	ak ID Buggy Parent ID	Commit ID	Alloc line no. Free	e line no. No	otes	Result	Github commit verified for a Memory Leak?	location		Memfix fix			
Part											Criteria for Result to be a				
The content of the											Success for				
	Previous fixed huge:										AddressWatche			Memfiy	
The content of the	T Tevidab lixed bags.														binutils leak 1.c:Status: Failed
The content of the															binutils_leak_7.c:Status: Failed
The content of the	binutils	- 1	1 a506516	be74fad95edc8827516e144cf38d135b503249cd	178.184	381 en	alloced pointer returned from function to copy_main at nd of which pointer tmpname not freed	Success	Yes	Yes		No output		12 fail to output	git leak 10.c:Status: Failed
Part						in	function write archive the pointer new name is								V
			0.000	0.440.4400504.054.077054.40.4000	040	ma	alloced but not freed at end of function. This is a	0	V	V		Outund			
Part		- 4	2 21.24413	3Cl030009301e0344077930e12C1302eCabbuo19	210	240 511	mple case for address watcher	Success	165	162		Solved			
1			3			In	function line info table in fail nath table->sequences								
Part			4 <u>52a93b9</u>	a26a013f22a19e2c16729e64f40ef8a7dfcc086e	74	180 is	not freed. Address sanitizer cannot help here		Yes	Yes		No output			
Part							ode organisation choice in this case does all free								
1						lea	aked variable in btrace_clear, addresswatcher does								
Part			5 o12ob20		F2 60	20 50	ot help in this case. However Addresswatcher tags two	Follows	Vaa	Vaa		No output			
Part		3	5 6130030		52,60	Th	ne variable sect, onts is malloced at start of	. railule	res	res		No output			
						ad	id_symbol_file_command but not freed at end of it.								
						Th wi	ne last use of sect_opt is within a for loop so the free ill have to be inserted after the for loop. Still valuable			NA (The variable was not					
The content of the		4	6 2f5404b	f978cb06dbfbd93dbd52bd39d992f8644b0c639e	40.66	143 inf	formation can be gleaned from address watcher	Failure	Yes	malloced in the fix)		No output			
The content of the															
The content of the															
The content of the															
The content of the							alloced pointer returned to Avestice								
Part		5	7 ad36c6c		43	109 do	anoceo pointer returned to function start_initialization as arg to concat but not freed	Success	Yes	Yes		No output			
Part															
March Marc						me	emhunk is not freed. But luckily in this case within								
Market Parket Company of the Company		6	8 c42608e	848ac659685fba46ce8816400db705f60c8040f7	23 152.1	.160,174 Ac	ddresswatcher can help here	Success	Yes	Yes		Failed			
Para Para Para Para Para Para Para Para						Th	ne function ada demangle parses an input string								
THE COLOR OF THE C						bv	the format it jumps to an 'unknown' label where the								
Fig. 1 and the control of the contro						po	pinter demangle is not freed. Address watcher could								
And Belleville Comment of the Commen		7	9 9d2cdc8		53	286 of	of see it because on error path there is no load/store	Failure	Yes	Yes		Solved	1		
Part of the property of the pr			U UULUUUU	MAN TO COMPONE TRANSPORT TO THE STATE OF THE		200 0.	and diame.	T UIIUTO	100	100		Contact			
Part of the property of the pr															
The control of the co															
Part of the property of the pr															
The control of the co						In	function screen_redraw_make_pane_status the								
The second control of						str	raightforward case where Addresssanitizer works								
The second particular intervals of the second particular intervals in account of the second particular intervals in a particular intervals in account of the second particular intervals in account of the second particular intervals intervals in a particular intervals i	tmux	8	1 7ba5ad4	c363c236aaea5b7a879493d8f3c85bead546f063	224			Success	Yes			Solved			
10 3 death						In po	function status_prompt_complete after xasprintf the pinter pointing to allocated memory is reassigned								
cond_set_Min_set_Color_set			04-0-0	4.0.1044045.0007740450000404.400.00.50	440.454	be	efore this it should be freed. Address ssanitizer can	0	V	V		Octord			
point, or an or case a favority does got earn't where a third work of the point of		9	2 ae1aoc2	1eueby14d945eut287716d5669dude409e86e59	149,151	155 08	nd load buffer evec calle a function that malloce a	Success	Yes	res		Solved			
However, the first of management and the second control of the sec						po	ointer, on error case it abrupty does goto error								
Total and processing the control of						mi	idexecution where it is not freed. Addresswatcher								
10 3 decided minimal problem (10 minimal problem) (La	abel. There is a similiar problem for								
10 3 decided minimal problem (10 minimal problem) (cn	nd_save_buffer_exec but there is a read to malloced	One free failed							
Personal team in surfaced and inflamental for the function of		10	3 c8ecbf3	2c9bdd9e326723fb392aed4d8df12cba7ef34f1f	77,81	128,168 co	prrect location here.	second success	Yes	Yes		Solved	7		
12 6 40942 93309cc02247864346000709133a2409109 176 187 10.7 18 17 10.7 18 17 10.7 18 17 10.7 18 18 17 10.7 18 18 17 10.7 18 18 17 10.7 18 18 18 18 18 18 18 18 18 18 18 18 18						Po	pinter base is malloced and returned to the function								
12 6 4014c2 03302cc0224782c43a4c00070115a2ac01150 12ca2c01150 use million demony 13 0 605a591 734345a345a50a5a5a53773cc0200641ba4511 255.293.314 14 7 540503 1001415a3a50115a3		- 11	4 54bcaab	d566c780e54010112d499707cd80a594144d1a89	46	108 ma	ake_label but not freed in end	Success	Yes	Yes		Solved	2		
12 5 4 Windows 1 2 5 Windows 1						In ins	serted on 3 error paths. Addresssanitizer correctly								
13 6 USD-SECTION 7-AD-CLASSIC CONTENSISTANCE CONTEN		40	E 4064-0	022020e4922479hb 42ef-F00070040 d-0	470	7 102 tos	entifies 1 of them because on one error path the if	One feet and	Vaa			Calvad			
13 6 664-801 734056-664-664-63726-6456-64610-63726-6456-64610-6451 285.280,314 34 varieties for all sociated found refered or production may produce in a fraction or influence and produce in fraction and produce in fractin		12	3 40le/e2	933929000224700045are590670613daze9ff359	176 187	1,192,195 00	function and capture page even in error path the	One nee succes	100			GOIVEU			
The function multiple and the matter and the part of participation of the matter and the participation of the participation of the matter and the participation of the matter		13	6 695a591	7340d5adfdc8cc6d845a373f3e0d59bfd10a45d1	285,289,314	349 va	riable buf is allocated but not freed	Failure	Yes			No output			
14 7 540003 district interference district interference and the property of the control of of th						La	ast use within an if condition in function cmd_retval.								
in function get prox, pame on error controllers be pointer in a fine and level Adjusted state for the beautiful for an interest and state in the beautiful		14	7 540f0b3		184,192	249 Ac	ddress sanitizer cannot help in this case.	Failure	Yes	Yes		No output			
15 8 SaccetofiesState (Statistical Statistics (Statistics (Statistics)) 15 15 15 15 15 15 15 15 15 15 15 15 15						In	function get_proc_name on error condition the					1			
15 8 Success (active content region of the content						po	pinter buf is not freed. AddressWatcher cannot catch								
In function mel load buffer caliback on error path return the pointer pdats in or freed. In 9 6907-649 training function function function for the pdate is not freed. Similarly on error 183 path in pasts, replace the alas data is not freed. The function match, filter list matches two strings by some rules. If the strings could not be malboard then on the error condition an abuty feture in an abuty feture in an abuty feture in a function of the error condition in a buty feture in the path of the error condition in a buty feture in the path of the error condition in a buty feture in the path of the error condition in a buty feture in the error condition from the error produce in the error condition from the error produce in the error condition for the error condition in the err		15	8		115	111 ins	side error condition. Address Watcher cannot help	Failure	Yes	Yes(used goto error where	it is freed instead	No output			
16 9 6907-049 selection and the process of the proc						In	function cmd_load_buffer_callback on error path								
The function match_filter_list matches two strings by some rules. If he strings could not be matched them on string is not freed. Since leaved atting could not be matched them on string is not freed. Since leaved atting coverable leaves at its close to malloc the leaved are its close to malloc the leaved as it is close to malloc the leaved leaved without a close to malloc the leaved as it is close to malloc the malloc to the leaved as it is close to malloc the malloc to the leaved as it is close to malloc the malloc to the leaved as it is close to malloc the malloc to the leaved as it is close to malloc the malloc to the leaved as it is close to malloc the malloc to the leaved as it is close to malloc the malloc the malloc to the malloc the mallo		16	9 69b7c49	6daf06b1ad61f67e9f7780d787451b9b5f824443	173	183 pa	turn the pointer pdata is not freed. Similiarily on error	One free failed	s Yes	Yes		No output			
some rutes. If the salings and fined is sirings and fined is siring a condition in this error condition and the sirings and fined is siring is not fined. Since leaked atting a per condition is visit from the condition and the sirings and fined is siring and fined is				A STATE OF THE STA		.oo pa	in_in_in_in_in_in_in_in_in_in_in_in_in_i					- Ampail			
some rutes. If the salings and fined is sirings and fined is siring a condition in this error condition and the sirings and fined is siring is not fined. Since leaked atting a per condition is visit from the condition and the sirings and fined is siring and fined is															
sting is not freed. Since leaked string eror condition is very close be the malloc fine register passing prevents instrumentation from detecting this line. But because it is close to malloc fine late can be sake asking without a close and the sake asking is not freed. Since leaked string eror condition is very close be the malloc fine register passing prevents instrumentation from detecting this line. But because it is close to malloc fine late to be save asking without a close and the sake asking is not freed. Since leaked string eror condition is very close to the malloc fine to be save asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking in						Th	ne function match_filter_list matches two strings by								
sting is not freed. Since leaked string eror condition is very close be the malloc fine register passing prevents instrumentation from detecting this line. But because it is close to malloc fine late can be sake asking without a close and the sake asking is not freed. Since leaked string eror condition is very close be the malloc fine register passing prevents instrumentation from detecting this line. But because it is close to malloc fine late to be save asking without a close and the sake asking is not freed. Since leaked string eror condition is very close to the malloc fine to be save asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking is not freed. Since leaked string eror condition is very close asking in the sake asking in						SO	ome rules. If the strings could not be malfoced then on								
instrumentation from detecting this line. But because it is close to mallow the last can be fixed easily without a close to make the last cash in the second clasts for a close to make the last cash in the last cash because it is close to make the last cash because it is close it is close to make the last cash because it is close it is close it is close to make the last cash because it is close to make the last cash because it is close to make the last cash because it is close it is close to make the last cash because it is close it is close to make the last cash because it is close it is close to make the last cash because it is close to make the last						str	ring is not freed. Since leaked string eror condition is								
Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Failure Yes Yes Yes Solved Yes No the allocation was moved below abrupt the financial of the second with pointer reassignment in function do, int object ret is allocated but on error path is not feed. Since financial control the object is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error. In fact, the financial control the control the control that the second return in the control that the control that the second return in the control that the control that						ve	ery close to the malloc line register passing prevents								
Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Address Watcher, in the main foot the second leaks fix. Failure Yes Yes Yes Solved Yes No the allocation was moved below abrupt the financial of the second with pointer reassignment in function do, int object ret is allocated but on error path is not feed. Since financial control the object is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error path is not feed. Since financial control the object ret is allocated but on error. In fact, the financial control the control the control that the second return in the control that the control that the second return in the control that the control that						is	close to malloc the leak can be fixed easily without								
Error condition return in function sets, packet, write. Malcoord memory not used before error condition return hence address watcher cannot track a last use before the packet with packet and the packet with packet and the packet with packet and the packet with packet w	onenssh-nortable	17	1 2		187	Ac	ddress Watcher. In the main loop the second leaks fix	Failure	Yes	Yes		Solved			
hence address watcher cannot track a last use before Faiture 18 2 Contraction for the contract of the contrac	ореновичроналие					190,210 IS Fr	rror condition return in function ssh packet write			1 63		Corred			
18 2 668F07046earties51050 40 44 return. Failure Yes Yes Solved 19 3 e869503 e83cfa26664b93ab6arfead706330e535ed8edfa 147 150 abrupt termination happens without freeling ctx. Failure Yes No the allocation was moved below abrupt termination. No output 20 4 7ad8b28 417cc28cc661a21ed6db76c29552afb38b909 65 65 in function ed. in tobject ret is allocated but on error path is a not reter Single in september to be object is allocated but on error path is a not freed. Single inside error path is in object is a						Ma	alloced memory not used before error condition return								
No the allocation was moved below abrupt termination above a special series of the speci		18	2		40	he 44 ref	ence address watcher cannot track a last use before turn.	Failure	Yes	Yes		Solved			
In function client (pot, floot) keys when ange is 1 19 3 e8b8503 ab3c4e2884b3ab6s4efed2b630e5358ed8edfa 147 150 abupt the misuch happens without fleening ctx Failure 20 4 7ad8b28 4f7cc28cc861a21e6dbd7fcc25652afb38b9b90 65 65 in function main there is a got loop where logifie is repe Failure In function do, int object ret is allocated but on error path it is not freed. Since inside corropath this object is										No the allocation was					
20 4 7ad9b28 4f7cc2f8cc861a21e6dbd7fcc25652afb38b9b96 65 65 in function main there is a goto loop where logifie is repe Failure In function do, jint object ret is allocated but on error path it is not freed. Since inside error path this object is			2 0000003	o 22 o fo 2000 (hD2 o ho o fo fo dO ho 20 o E2 E2 - 10 - 11	147	In In	function client_input_host_keys when argc is 1	Follows	Vaa	moved below abrupt		No output			
In function do, int object ret is allocated but on error path it is not freed. Since inside error peth bit is to object is									**		cod with pointer				
path it is not freed. Since inside error path this object is		20	4 rauobze	-17 CC216CC00 142 (ECUDA/10C200324)D3809696	05			e i allule	103	ino the allocation was repla	ood with pointer r	aoogiiiidii			
21 5 7 delandario del companio						pa	ath it is not freed. Since inside error path this object is								
		21	5 ?	64a89ec07660abba4d0da7c0095b7371c98bab62	192	202 no	or read/written it cannot help	Failure	Yes	Yes		Solved			

Project	S.No L	Leak ID Buggy Parent ID	Commit ID	Alloc line no. Free	line no. Notes	Result	Github commit verified for a Memory Leak?	Github verified fix location compared to our fix location	Memfix fix			
	22	6	165bc8786299e261706ed60342985f9de93a7461		In function ssh_ed25519_verify in error path variables b	¿Failure	Yes	Yes	Solved			
	23	7 ?	pae07e2e2000dd318418ld7ld4597760904cae32	87	138 In function main sig->r and sig->s is dereferenced.	Success	Yes	NA since they removed the reassignment in the firs place	No output (recu	rsive functions)		
	24	8 Occa17f	e52a260f16888ca75390f97de4606943e61785e8	32	In function load_identity_file when perm_ok is false abrupt stop to execution. However pointer private not free before this. Again there is no use before this so 151 AddressWatcher cannot help	Failure	Yes	Yes	No output			
	25	9 534b2cc	393920745fd328d3fe07f739a3cf7e1e6db45b60	179	In function main do_readdir is called which allocates dir_entries but due to some other error it returns -1. In this error path it must free dir_entries. Since this if condition directly allocates this memory we are able to 254 track!		Yes	No code reorganized	No output			
	26	10 ?	0d6771ts4648889ae5tso4235f9e3fc8cd82b710bd	45	The function update_krl_from_file expands a given filename. For the expanded filenam memory is allocated fro heap but not freed at exit of function.	Success	Yes	Yes	Solved			
to be fixed												
linux	27	TO BE MERGED	TO BE MERGED	223	In arch/x86/entry/vdso/vdso2c.c a variable name is 248 allocated but not freed.at end of main function	Success						