

GDB and PWNDBG Cheat Sheet

by superkojiman (cactuarnation) via cheatography.com/54418/cs/14584/

Disassembling	
Disassemble a function	disassemble vuln
Disassemble at address	disassemble 0x400566

Running	
Run until termination or	r
breakpoint	
Run and pause at main()	start
Run and provide	r arg1 arg2
arguments	
If binary prompts for input once through stdin, pass input via file	r < in.txt
If binary prompts for input more than once through stdin	r < <(echo " input1"; echo "input2")

Stepping	
Continue execution	С
Execute next instruction and step over a function	ni
Execute instruction and step into a function	si

Breakpoints	
Set breakpoint at function	bp vuln
Set breakpoint at address	bp 0x4005b5
Set breakpoint at function + offset	bp vuln+47
List breakpoints	bl
Delete all breakpoints	d br
Disable breakpoint 2	bd 2
Enable breakpoint 2	be 2

By superkojiman (cactuarnation)

cheatography.com/cactuarnation/

Examining data	
Exmaine two 8-byte values at RBP in hex	x/2gx \$rbp
Examine 10 instructions at main+25	x/10i *main+25
Examine 4-bytes of RAX in hex	x/wx \$rax
Print R10 in decimal	p/d \$r10
Print sum of 0x500 and 0x39 in decimal	p/d 0x500 + 0x39
Print the address of vuln()	p vuln
11.1	

Using the x or p command followed by the size of the data to examine, and format letters

Sizes include byte, word, halfword, and giant.

Format letters include octal, hex, decimal, instruction, char, and string.

Modifying data	
Set the RAX register to 5	set \$rax = 5
Set the value pointed to by	set *0x7fffff-
an address to 5	ffe280 = 5
Set the value pointed to by	set *(\$rax-8)
RAX-8 to 5	= 5

Print out state of	the program
context	

Get address of saved return point	er
Return address of current stack	x/gx
frame	\$rbp+8
Discovered return addresses on	retaddr
the stack	

Not published yet. Last updated 3rd February, 2018. Page 1 of 1.

Search for a	a string in m	nemory
Look for "H	ello"	search Hello
Get distanc	e between a	addresses
Using p	p/d 0x7ff fe220	ffffffe278 - 0x7ffffff-
Using	distance	0x7ffffffe220 0x7fff-
distance	ffffe278	
Note that us	sing distanc	e reverses the
operands.		
Print hexdu	mp	

Display stack	
View the stack	stack
View 30 rows of the stack	stack 30

Drint virtual mamon, man nagas		
View 30 rows of the stack	stack 30	
VICW LIIC Stack	otdor	

|--|

hexdump \$rbp

vmmap

checksec

Sponsored by ApolloPad.com Everyone has a novel in them. Finish Yours!

https://apollopad.com