

# radare2 Cheatsheet

## Information [i]

Show exports	iE
Show import	ii
Information about the binary	iI
Show main address	im
Show strings (only data section)	iz
Show strings (all sections)	izz

## Analysis [a]

Analyse all	aa[a[a]]
Analyse function calls	aac
Analyse consecutive function	aat
Graphviz output	ag <addr>
ASCII Graph	agf
Xrefs from	axf
Xrefs to	axt
Rename function	afn
Rename locals/args	afvn
List functions	afl

## Flags [f]

List all flags	f
Set flag at current address	f <name>
Remove flag	f-<name>

## Print [p]

Assemble / Disassemble	pa[d]
Print bits	pb [len]
Print byte in C / Python / Javascript	pc[pJ] [len]
Print disassembly in columns	pC
Print disassembly of n opcodes	pd [n]
Print disassembly of n bytes	pD [n]
Print disassembly of function	pdf [@ addr]
Print disassembly of basic block	pdb
Print c-like pseudo code	pdC
Print string	ps
Print unicode string	pu
Print hex	px

## Visual Mode [V]

Instruction forward / backward	↑ / ↓
Byte forward / backward	→ / ←
XRefs to / from	x / X
Jump to next / previous flag	n / N
Seek	o
Undo / redo seek	u / U
function/comment/flags HUD	-
HUD	??
Define Func/Data/Code	d
radare cli	:
Comment	;
Graph View	space / V
Tiled View	!
Add / remove flags	f
Column Prompt	
Textlog	T

## Debugger [d]

Set breakpoint	db [addr]
Remove breakpoint	db -[addr]
Continue execution	dc
Show memory maps	dm
Show memory maps with bars	dm=
Start process	do
Attach to process	dp
Show register	dr
Step	ds [num]
Step over	dso [num]
Show heap graph	dmhg
List heap chunks	dmh
List heap chunks of arena	dmh <arena>
List bins	dmhb
List fastbins	dmhf

## Seek [s]

Seek	s [addr flag]
Seek to comment matching string	sC [string]
Seek to next function	sf
Seek to register	sr <reg>
Seek n bytes forward	s+ <n>
Seek n bytes backward	s- <n>
Undo seek	s-

## Write [w]

Write string	w <string>
Write n 0x00	w0 [n]
Assemble and write	wa <assembly code>
List all writes	wc
Commit all changes	wci
Reset changes	wcr>
Write hex	wx
Write to file	wtf [filename]
Write zero terminated string	wz <string>

## Textlog [T]

Show all textlog messages	T
Add new message	T <msg>
Show textlog messages from line	T <line>
Delete all messages	T-
Delete all messages from line	T- <line>

## Projects [P]

Save project	Ps [file]
Open project	Po [file]
List all projects	Pl
Delete project	Pd [file]

## Mountpoint commands [m]

List all mountpoints	m
List filesystem plugins	ml
Mount fs at <virtual path>	m <virtual path> [filesystem] [offset]
Unmount <virtual path>	m- <virtual path>
List directory content	md <virtual path>
List supported partition types	mp
Prompt at <virtual path>	ms <virtual path>

## Remote Protocols [=]

Start webserver	=h [port]
Start webserver in background	=h& [port]
Stop background webserver	=h-
Start webserver and open browser	=H [port]
Start webserver in background and open browser	=H& [port]

## Modifiers

Grep	~
Pipe to file	>
Pipe to command	
Put output of command into line	<command>`