



Linux Ubuntu 26.04 Manual Pages on command 'trace-cmd-mem.1'

\$ man trace-cmd-mem.1

TRACE-CMD-MEM(1) libtraceefs Manual TRACE-CMD-MEM(1)

NAME

trace-cmd-mem - show memory usage of certain kmem events

SYNOPSIS

trace-cmd mem [OPTIONS][input-file]

DESCRIPTION

The trace-cmd(1) mem requires a trace-cmd record that enabled the following events:

- kmalloc
- kmalloc_node
- kfree
- kmem_cache_alloc
- kmem_cache_alloc_node
- kmem_cache_alloc_free

It then reads the amount requested and the ammount freed as well as the functions that called the allocation. It then reports the final amount of bytes requested and allocated, along with the total amount allocated and requested, as well as the max allocation and requested during the run. It reports the amount of wasted bytes (allocated - requested) that was not freed, as well as the max wasted amount during the run. The list is sorted by descending order of wasted bytes after the run.

Function	Waste	Alloc	req	TotAlloc	TotReq	MaxAlloc	MaxReq	MaxWaste
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rb_allocate_cpu_buffer	768	2304	1536	2304	1536	2304	1536	768
alloc_pipe_info	400	1152	752	1152	752	1152	752	400

instance_mkdir	252	544	292		544	292		544	292	252	
__d_alloc	215	1086560	1086345		1087208	1086993		1086560	1086345	215	
get_empty_filp	72	2304	2232		4864	4712		4864	4712	152	
mm_alloc	40	960	920		960	920		960	920	40	
prepare_creds	32	192	160		1728	1440		1728	1440	288	
tracing_buffers_open	8	32	24		32	24		32	24	8	
do_brk	0	0	0		368	368		368	368	0	
journal_add_journal_head		0	6048	6048		6048	6048		6048	6048	0
journal_start	0	0	0		1224	1224		48	48	0	
__rb_allocate_pages	0		3289856	3289856		3289856	3289856		3289856	3289856	0
anon_vma_alloc	0	0	0		936	936		864	864	0	
[...]											

OPTIONS

-i input-file

By default, trace-cmd hist will read the file trace.dat. But the -i option open up the given input-file instead. Note, the input file may also be specified as the last item on the command line.

SEE ALSO

trace-cmd(1), trace-cmd-record(1), trace-cmd-report(1), trace-cmd-start(1),
 trace-cmd-stop(1), trace-cmd-extract(1), trace-cmd-reset(1), trace-cmd-hist(1),
 trace-cmd-split(1), trace-cmd-listen(1)

AUTHOR

Written by Steven Rostedt, <rostedt@goodmis.org[1]>

RESOURCES

<https://git.kernel.org/pub/scm/utils/trace-cmd/trace-cmd.git/>

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NOTES

1. rostedt@goodmis.org
 mailto:rostedt@goodmis.org