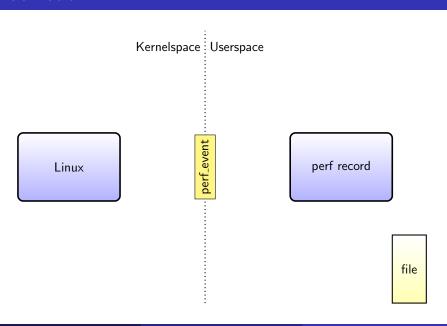
Urs Fässler

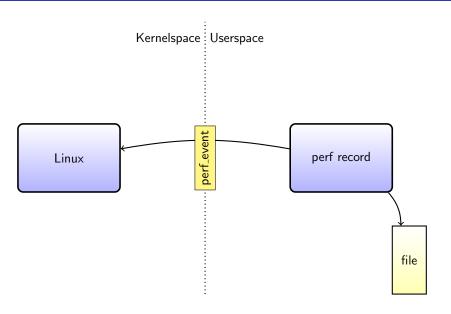
CERN Openlab

14.07.2011

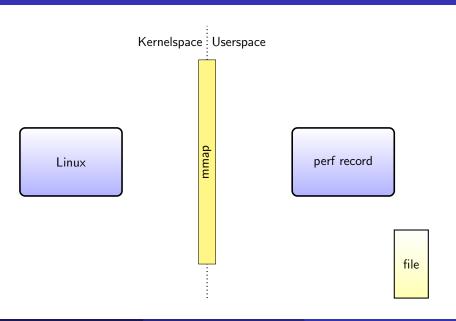
initialization



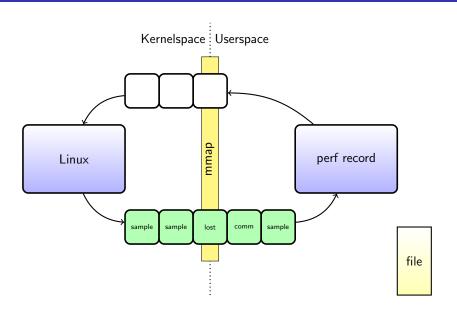
initialization



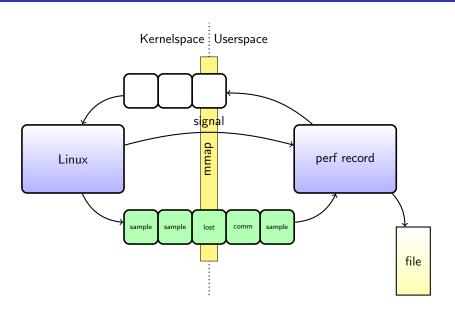
recording



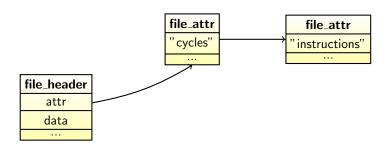
recording

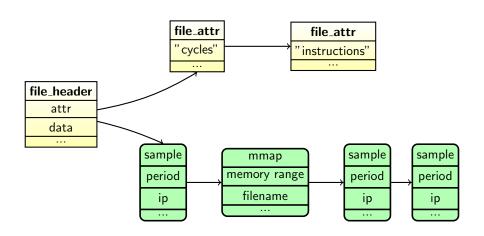


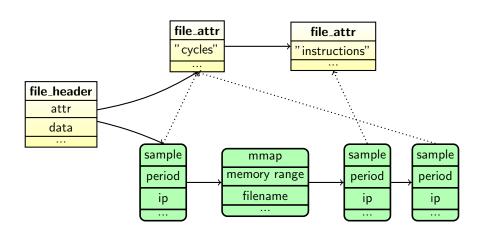
recording

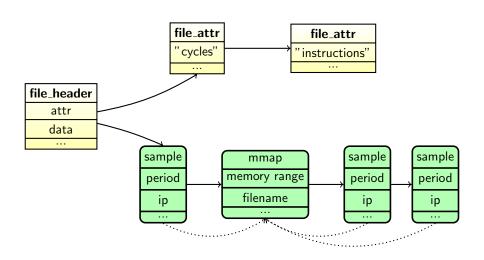












further work

- mapping instruction pointer to library functions
- ullet understand mapping event names \leftrightarrow hex code
- understand timestamp of sample

Demo

Events: 1K cyc	les		
65.31%	1284	test test	[.] recFib
23.45%	461	test test	[.] loopFib
2.99%	59	test libc-2.13.so	[.] _int_malloc
1.61%	32	test test	[.] makeNode
1.48%	29	test [kernel.kallsym	ns] [k] clear_page_c
1.11%	22	test test	[.] randTree
1.07%	21	test libc-2.13.so	[.]malloc
0.56%	01 11 11	21 2.10	indom_r
0.50%		cs per function:	indom 📗
0.35%	per	period samples	function @plt
0.21%	23.45	90549430 461	loopFib _fault
0.20%	65.31	252203567 1284	recFib ree_one_page
0.15%	1.11	4283895 22	randTree age_fault
0.10%	1.61		makeNode _event_mmap
0.10%			Loc pages nodemas
0.10%	5.66	21861152 111	c_pages_vma
0.10%	2.87	11076171 64	p_vmas
0.10%	2	test [kernel.kallsym	ns] [k] get_page_from_freelis
0.06%	1	test ld-2.13.so	[.] _dl_map_object
0.06%	1	test ld-2.13.so	[.] _dl_relocate_object 臘
0.06%	1	test ld-2.13.so	[.] bsearch
0.05%	1	test [kernel.kallsym	3_
0.05%	1	test [kernel.kallsym	ns] [k] handle_pte_fault 🏻 🎆
0.05%	1	test [kernel.kallsym	ns] [k]rmqueue

Press '?' for help on key bindings Urs Fässler (CERN Openlab)

summary

- good understanding of file format
 - map samples to functions
 - same result as perf report
 - library and system function doesn't work entirely