

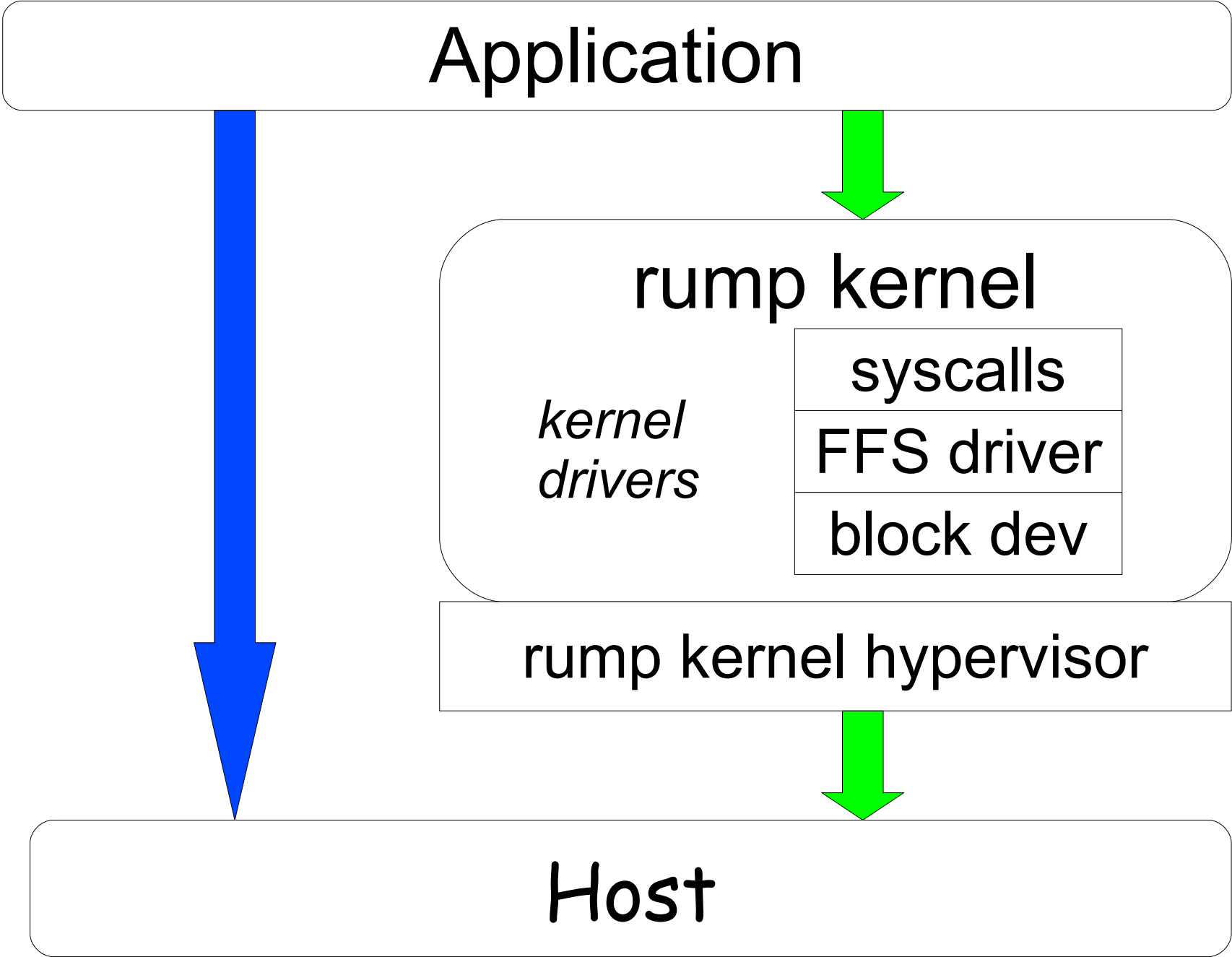
The Anykernel and Rump Kernels

FOSDEM 2013, OS Track

Antti Kantee

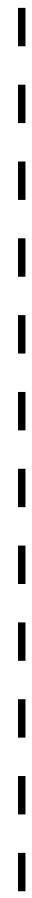
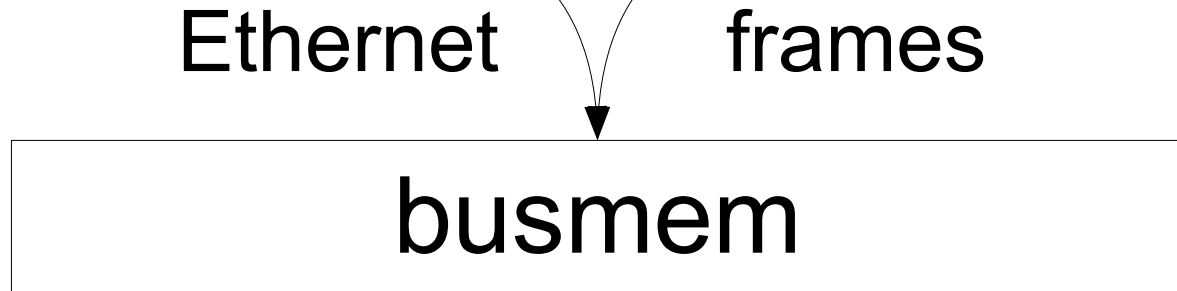
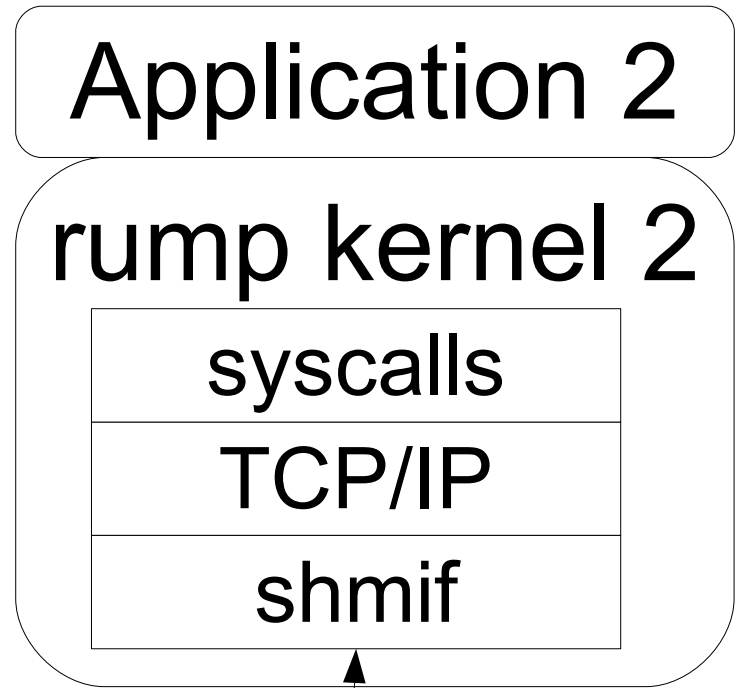
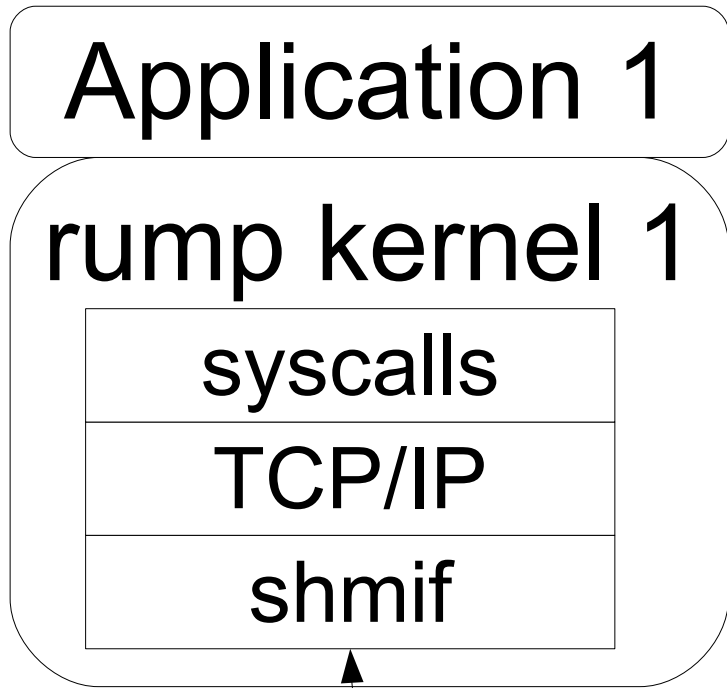
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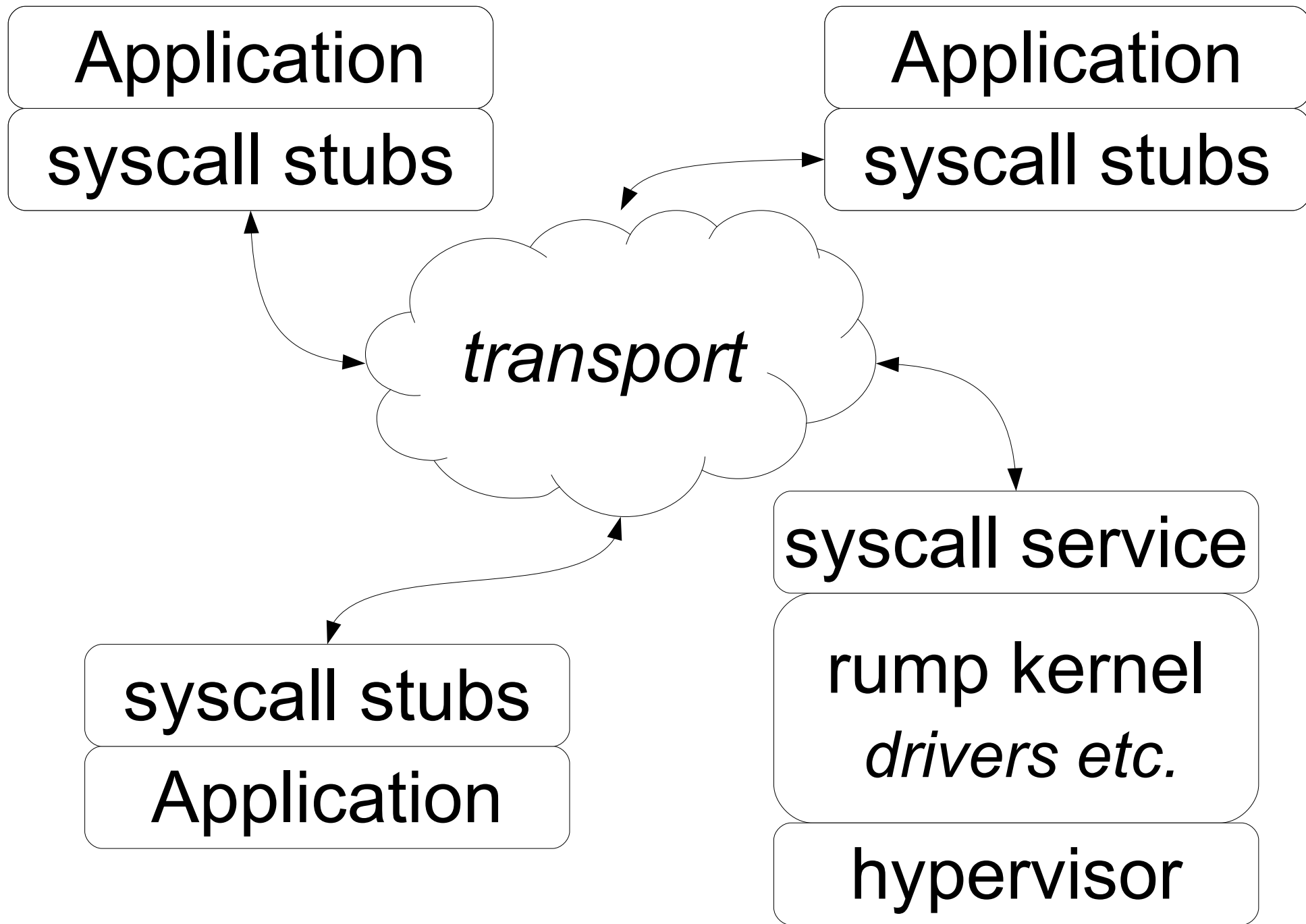
Anykernel
you like

Rump Kernels



Hardware?

Remote Syscalls



All of the benefit
for none of the cost

Performance

locks_up.c

up = uniprocessor

Have you ever seen
dead men dancing
so lightly?

buildrump.sh

That's my type of type

Go anykernel
or go home

Contribute, e.g.

- test on $\{\text{platform}\}$, report result
- package it
- come up with Valgrind recipes
- use autoconf for hypervisor
- auth support for remote clients
- solve type incompatibilities

Conclusions

it's out there -- use it!

Questions?

apart from the one above

github.com/anttikantee/buildrump.sh

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