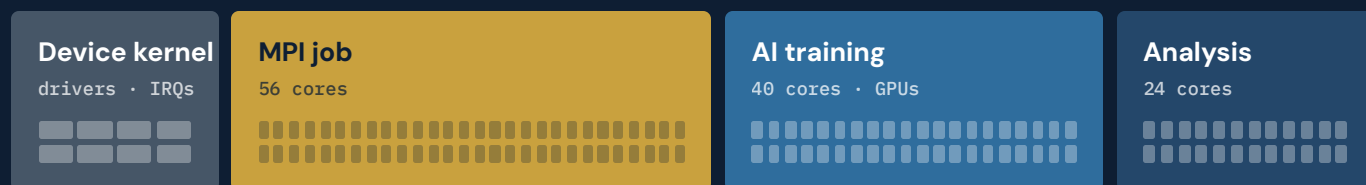




Every Job Gets Its Own Kernel. Zero Interference.

Split each node into independent Linux kernels on dedicated cores. Your jobs run on bare metal, with nothing from the rest of the node in their way.



ONE 128-CORE NODE · FOUR INDEPENDENT LINUX KERNELS · NO HYPERVISOR

153x

Lower tail latency beside a noisy neighbor

4x

More kernel throughput with one kernel per socket

2.5x

Faster context switches than a KVM guest

Bare-Metal Speed. Kernel-Level Isolation.

01

Quiet Compute Cores

Device interrupts and system daemons live in their own kernel, so your ranks never wait on them.

02

Share Nodes Safely

Pack more jobs per node. Each one keeps its own memory and scheduler, with no noisy neighbors.

03

A Tuned Kernel per Job

Run a hand-tuned kernel for your solver and a general one for analysis, on the same node.

04

Patch Without Draining

Upgrade kernels live with instant rollback. A crash in one kernel never takes down the node.

Still just Linux. Your MPI stack, binaries, and container images run unmodified, on x86, ARM, and RISC-V. 100% open source.

LET'S TALK

See It on Your Nodes

Bring your workload. We will measure it with you.

WEB multikernel.io
EMAIL contact@multikernel.io
CODE github.com/multikernel



SCAN ME