

Why Isn't CHERI Doomed?

- ▶ Capabilities are not segments: no tables, no indirection...
Capabilities look and feel like pointers
to both software and hardware.
- ▶ CHERI instructions are still RISC-ish.
- ▶ CHERI CPU does not have primitive object ontology
No microcode, no hardware scheduling queues
- ▶ Don't have to build { language, system, applications }
from scratch.