



Hybrid CHERI in sel4 user space

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Agenda

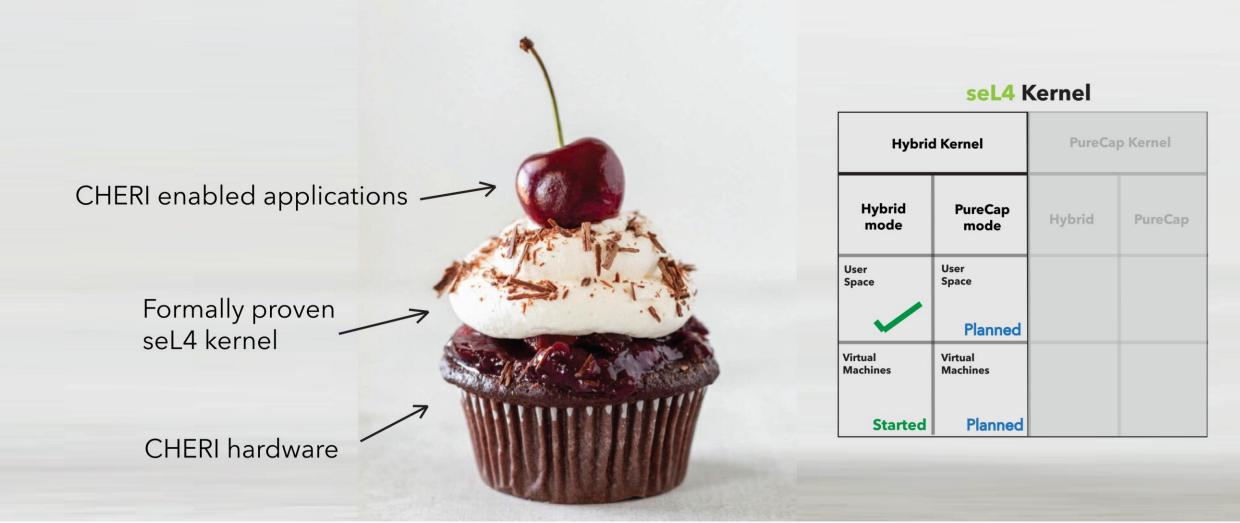
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- Why seL4 on CHERI?
- An ideal system and the challenges
- Our Underground map
- Where we are



Why seL4 on CHERI

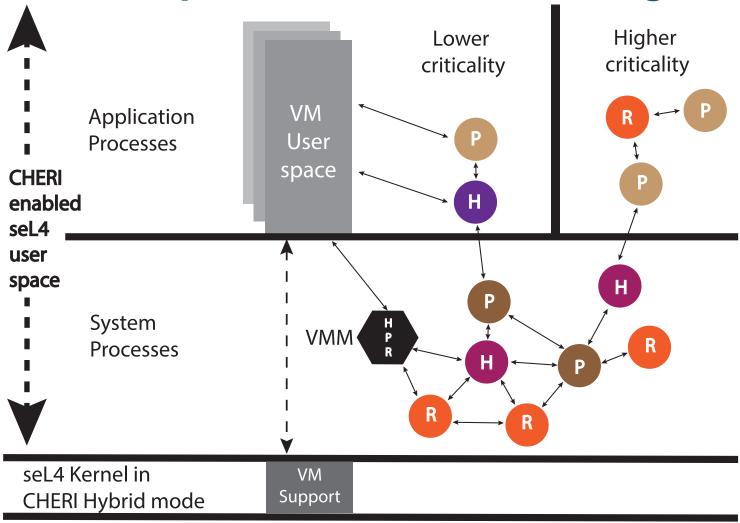








An Ideal System and the challenges



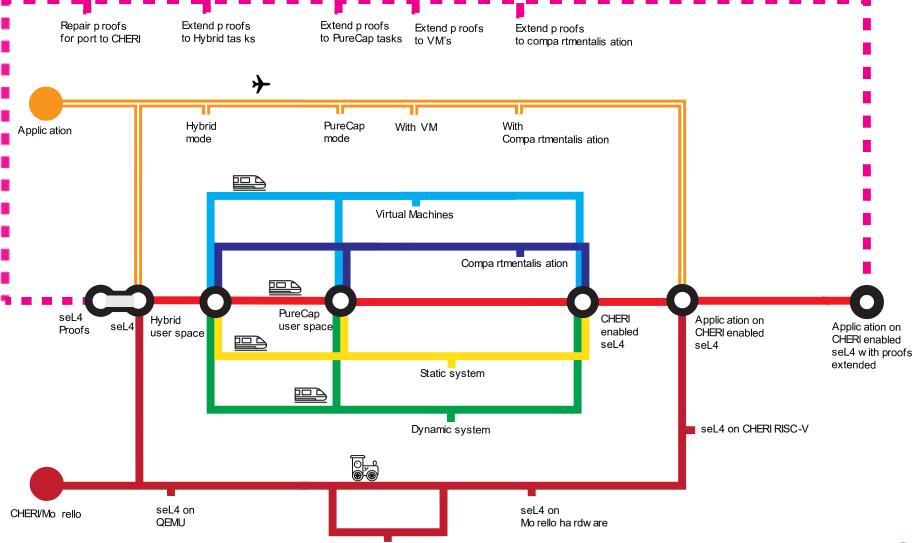
Key: Purecap system process application process Hybrid system process Hybrid application process Rust Virtual machine Virtual machine monitor Hybrid/ Purecap/ Rust

Hardware

RISC + CHERI enhancements



Our underground map



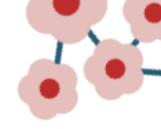
seL4 on

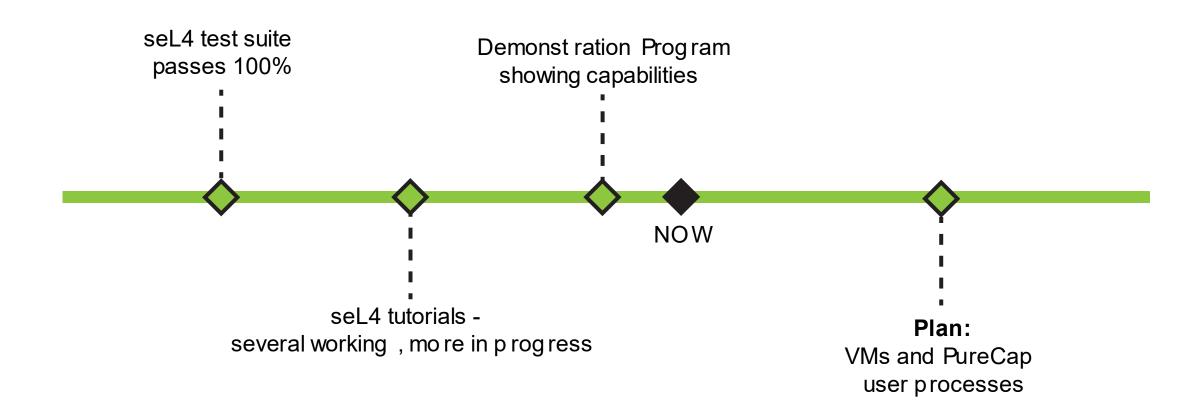
FVP



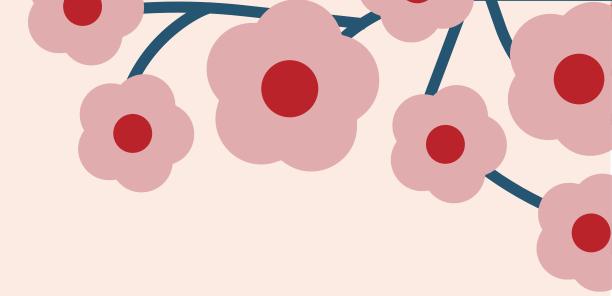


Where we are











THANK YOU

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