



**CHERI**

# CHERIoT-Kudu

**A high-performance CHERIoT microcontroller**

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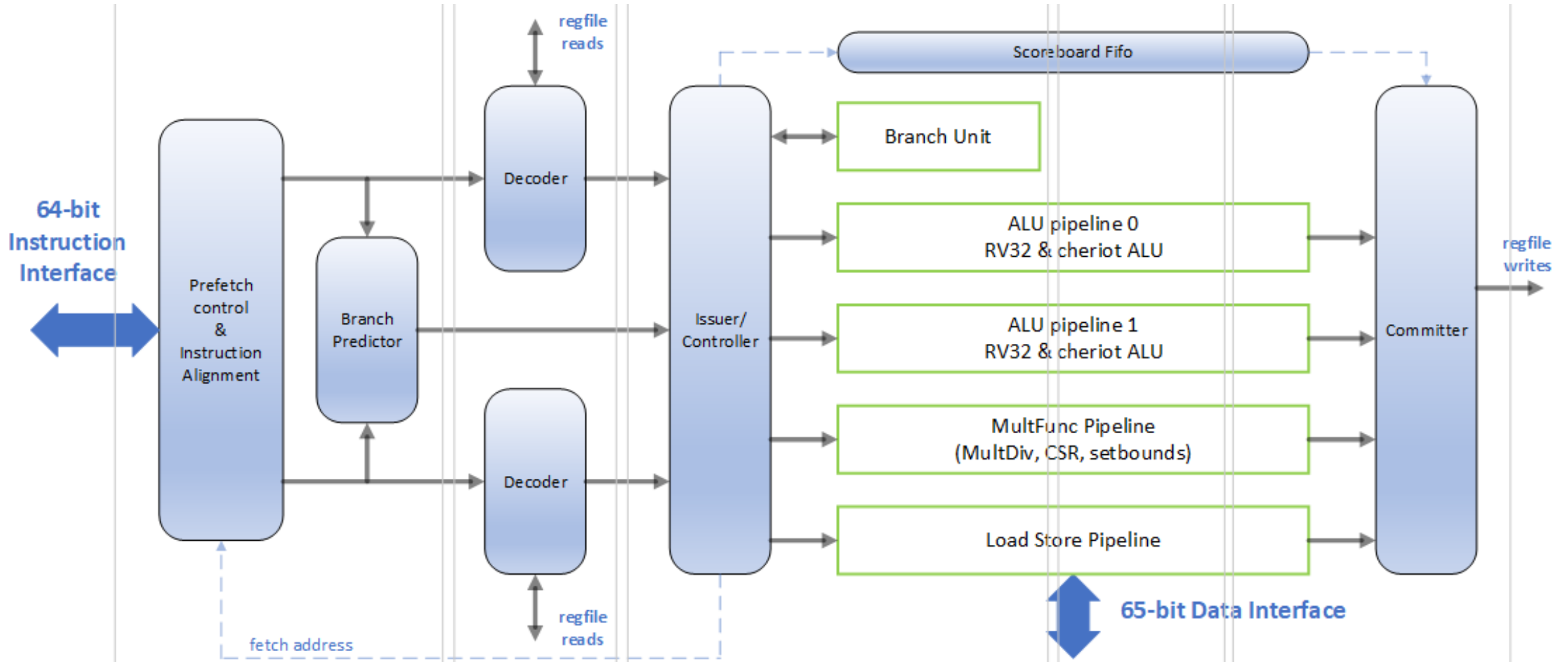
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## ○ **CHERIoT background**

- CHERI ISA for embedded devices
- Open source, maintained by multiple vendors
- First implementation: CHERIoT Ibex
  - Optimised for area
  - Demonstrated CHERI comes with little silicon cost

# CHERIoT Kudu



# ○ A complete range of open-source CHERIoT cores



CHERIoT Ibex

2-3 stages

Single issue

Conventional antlers

CHERIoT Kudu

4-6 stages

Dual issue

Exciting spiral antlers



Small area  
Lower performance

Larger area  
Highest performance