

# UC Davis use Oracle Cloud to boldly reimagine the fabric of blockchain

Blockchain is a powerful emerging technology with the potential to disrupt diverse fields such as finance, commodity trading, agriculture, identity management, land ownership, aid delivery and health care.

## Reinforcing democracy and decentralization in blockchain

UC Davis have boldly re-imagined the entire blockchain fabric through a scale-centric lens in [ResilientDB](#). The team re-architected and re-imagined modular system design from scratch, embedding parallelism and deep pipelining at every layer to fully exploit modern hardware and cloud infrastructure globally.

## More computing power and faster analysis with Oracle Cloud Infrastructure

- ✓ **Block Storage** 
- ✓ **Bare Metal Server** 
- ✓ **Cloud Compute** 

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From a technical perspective, OCI stood out for its bare metal offering – this enabled our low-level programming close to the kernel. Oracle’s servers provided high core counts, large amounts of block storage and SSDs, and high bandwidth, accommodating hundreds of replicas. We simply couldn’t have accessed this type of scalable compute power in house.

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