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Explore the data-driven storage jungle

RAID Storage: the redwoods of your data strategy

Giant **Redwoods** and traditional **RAID Storage**: Evergreen, reliable and everlasting.

What do they have in common?
They have stood the test of time!

Redwoods
- 240-million-year history – among world's oldest living organisms (Humans: 200,000 years)
- Potential lifespan 2,000+ years

RAID Storage
- Early pillar of data center infrastructure
- Evolved to support both legacy and modern cloud-native applications

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They grow sky high

Redwoods
- Tallest trees on earth
- 100+ meters high
- 8-20 meters in diameter

RAID Storage
- Scale-up & scale-out to match rapid business growth
- Massive scalability –up to 100s of PBs capacity

They support diversity

Redwoods
- Host other plants & animals
- Variety of needles:
  - Spiky treetop needles conserve moisture
  - Flat lower needles catch more light

RAID Storage
- Choice of storage technologies: hard drives, all-flash
- Different interfaces: SATA, SAS, NVMe
- Different configuration options

They can do more with less

Redwoods
- Capture more CO2 than any other tree
- Survive on less sunlight

RAID Storage
- 5 – 10x less storage needed with compression & deduplication
- Greater storage density with capacity optimized all-flash storage
- Making storage parallel--ism a reality with NVMe

They have strong defenses

Redwoods
- Thick bark
- Resistant to fire, insects and rot

RAID Storage
- Integrated data protection (easy migration, replication, mirroring, transparent failover)
- Zero disruption, zero down--time, total business continuity

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They are better together

Redwoods
- Root system 30+ meters wide
- Connect with other trees to defend against forces of nature

RAID Storage
- Supports a mix of powerful technologies for different needs: hybrid, all-flash & NVMe storage

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Traditional RAID storage:
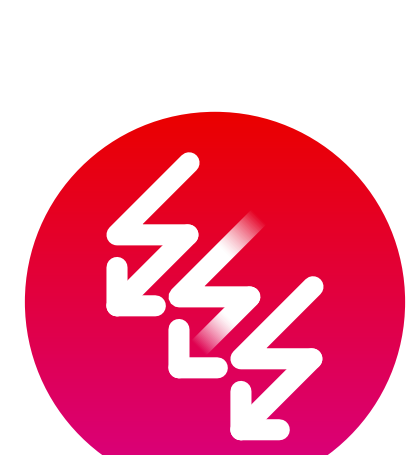## Redwoods of the data jungle

Hybrid storage
SAS/SATA SSDs and HDDs
Maximum storage consolidation: mix of SSDs and HDDs to balance cost, capacity & performance

All-flash storage
SAS/SATA SSDs
Excellent reliability, performance & ROI, with savings from drives, CPU, memory, software licensing and power consumption

NVMe all-flash storage
PCIe SSDs
Blazingly fast storage performance with extremely low latency

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To find out more, please visit:

www.fujitsu.com/global/microsite/data-storage
www.fujitsu.com/eternus

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