



SCALITY



ARTESCA

Data Domain vs. Scality ARTESCA

Features comparison

Legacy appliances like Dell PowerProtect Data Domain were built for an era of overnight backups, deduplication, and tape. Today's environments require faster recovery, stronger ransomware protection, cloud-native operations, and freedom from hardware lock-in.

This side-by-side comparison breaks down how Scality ARTESCA—a modern, software-defined object storage platform—stacks up against Data Domain in cyber resilience, performance, flexibility, and cost to help guide your next backup infrastructure decision.

	Data Domain	Scality ARTESCA
No ingest slowdown — backup apps send pre-deduplicated data directly to ARTESCA, which writes in parallel to many disks at line speed.	✗	✓
Low-cost, commodity-based architecture using industry-standard servers and high-capacity nearline drives reduces cost per usable TB without relying on dedupe ratios.	✗	✓
Modern backup software already dedupes. Combined with S3 targets and forever-forward incrementals, ARTESCA eliminates the need for weekly full backups — enabling lean, predictable capacity usage.	✗	✓
Fast, native restores at line speed, plus support for Veeam Instant Recovery to quickly bring VMs back online.	✗	✓
Standardized S3 Object Lock delivers immutable, ransomware-proof backups — compatible with major backup applications. Object Lock supports fine-grained retention , allowing apps to set policies per object or backup chain.	✗	✓
Forever forward incremental backups only send net-new data to ARTESCA, minimizing bandwidth and storage consumption.	✗	✓
True software-defined model — deploy on any standard x86 server. Start small (12 drives) and expand granularly (even one drive at a time).	✗	✓
Encrypted and unencrypted data treated equally , so capacity planning remains consistent and cost-efficient.	✗	✓

**Ready to rethink
your backup strategy?**

Contact us at artescas@scality.com to see why more organizations are replacing legacy appliances with Scality ARTESCA.