

# Unbreakable ransomware protection for backups

*with Scality ARTESCA*

**2 sec**

Attacks, occurring every 11 seconds today, are expected to increase to every 2 seconds by 2031

**\$265B**

Worldwide damages from ransomware will grow from \$20B in 2021 to \$265B by 2031

**75%**

of companies will face one or more attacks by 2025

**87%**

of organizations attacked pay a ransom

**39%**

of data is not recovered after a ransom payment

**23 days**

is the average company downtime

**\$1.85M**

Average total bill for recovery, including downtime, people hours, device and networks costs, lost opportunities and ransom payments

Ransomware attacks have become commonplace and must be planned for proactively.

**SOLUTION****Veeam + Scality ARTESCA**

*Zero downtime. No data loss. Lightning-fast restore*

Scality ARTESCA supports the latest capabilities in Veeam Data Platform, including direct-to-object storage backups, and Smart Object Storage API (SOSAPI). ARTESCA also provides Veeam with a high-performance, S3-compatible scale-out object repository (SOBR) that is Veeam Ready validated for Object and Object with Immutability.

**Secure Veeam backups in ARTESCA for immutable data**

ARTESCA ensures fast data restore, even in the event of a data center failure or ransomware attack, and complies with the 3-2-1-1 golden rule of backup.

- ✓ At least three copies of your data (primary)
- ✓ Store copies on two different media (backup)
- ✓ Keep one backup copy offsite
- ✓ Keep one backup copy offline or on immutable data storage (ARTESCA)



## Backup storage challenges

- Restoring critical data in the shortest possible time to continue business operations
- Ensuring backups are protected from external and internal threats
- 30-50% data growth and 24/7 digital business add management complexity
- Backup appliances are slow, costly and do not scale, resulting in silos
- Tape is unreliable and slow for restores in the cloud era, plus management and off-siting for D/R is a nightmare
- Cloud storage is too slow and costly for performance and capacity backups, though useful for offsite archives
- Non-scalable solutions are the cause of too many backup silos, which increase IT costs

## Why not replicate the performance tier?

- Contradicts the 3-2-1-1 rule: backups are stored on the same media type
- Using the same technology twice won't provide additional protection against ransomware
- More risk of a data loss in case of software/firmware bug or operations mishap



*Lightweight, cloud-native scale-out object storage by Scality*

### Core capabilities

- Supports new Veeam direct-to-object backups and Smart Object Storage API
- S3 Object Lock ransomware protection
- Lightning fast backup/restore: 10s of TB/hr
- Scale-out as needed from one single node

### Key benefits

- Immutable storage provides assured protection and recovery from ransomware
- Up to 10x faster than tape and 4-8x faster than backup appliances
- TCO savings of up to 70%
- Fast deployment and easy management on VMs or standard servers — no need to be a storage expert

