



DATASHEET

ARTESCA+ Veeam

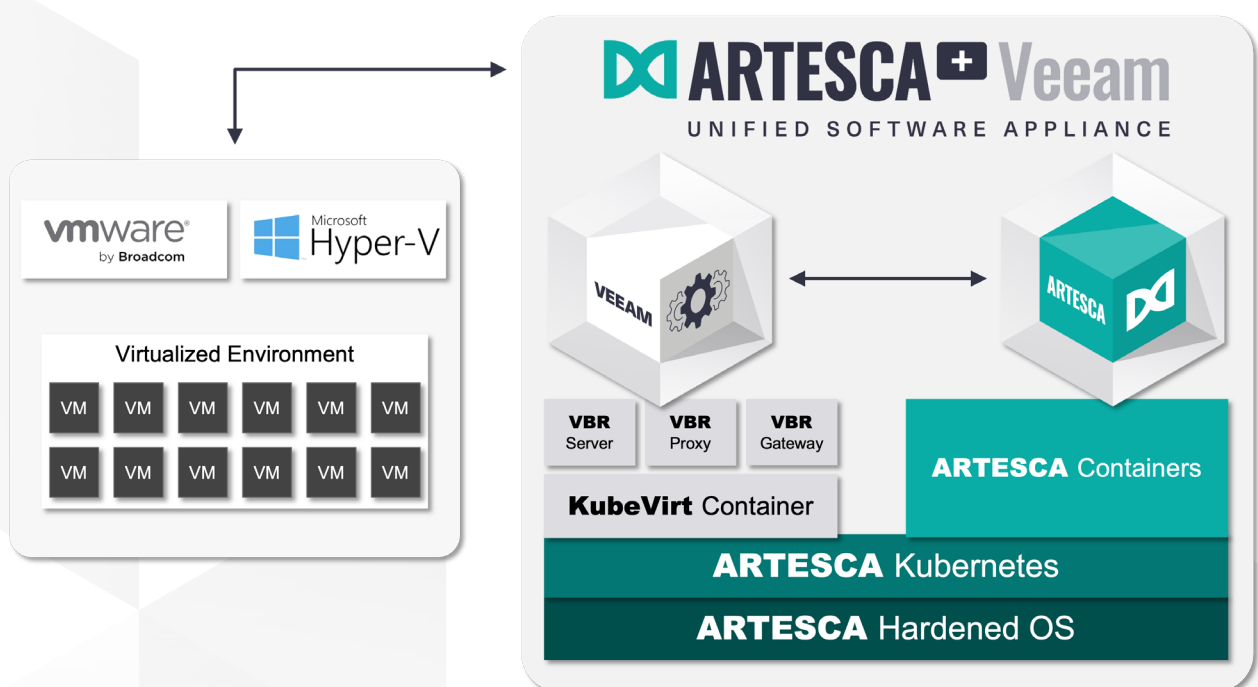
Unified software appliance

Simplify backup and recovery with best-in-breed protection

Introducing ARTESCA+ Veeam, a unified software appliance that combines industry-leading object storage and backup — all in a single, secure platform. By embedding Veeam Backup & Replication directly inside Scality ARTESCA's hardened environment, this first-of-its-kind appliance minimizes hardware requirements while delivering a simple, efficient, and cyber-resilient backup solution — engineered not just for today's challenges, but for the evolving demands of tomorrow.

With ARTESCA+ Veeam, both backup and object storage services run together as a single, software-defined appliance, reducing deployment complexity, time, and cost by up to 50%. Its integrated hypervisor securely hosts all Veeam components — server, proxy, and gateway — inside a fully managed microservices environment within ARTESCA OS.

The appliance is packaged for fast, flexible deployment on industry-standard desktop or 2U storage servers, providing an ultra-secure environment while helping organizations minimize acquisition costs. Built on Scality's CORE5 zero-trust security framework, this all-in-one solution simplifies procurement and deployment while delivering enterprise-grade ransomware protection and operational resilience — all without the need for separate infrastructure.



Unified architecture

Benefits of ARTESCA+ Veeam

Ultra-secure solution

By consolidating backup and storage services into a single, hardened appliance, ARTESCA+ Veeam significantly reduces the attack surface. All communications between backup and storage remain fully internal — eliminating the need for exposed S3 endpoints, external DNS resolution, or the leakage of IAM credentials beyond the appliance.

External connections are strictly controlled by a pre-defined, embedded firewall, following least-privilege principles to limit access to only essential ports. The entire solution is built on Scality's CORE5 zero-trust framework, delivering enterprise-grade ransomware protection and ensuring compliance with even the most stringent security requirements.

At its core, ARTESCA OS is a fully hardened, dedicated operating system — designed, maintained, and updated by Scality. It installs only the necessary packages for secure operation and prevents unauthorized access by blocking root and sudo-level privileges.

Best-of-breed backup & storage, unified

Veeam Backup & Replication and Scality ARTESCA combine two of the most trusted technologies in data protection into a single, integrated solution. This first-of-its-kind software appliance delivers industry-leading backup with cyber-resilient object storage — giving IT leaders a simple and secure way to safeguard critical data with the confidence of best-of-breed technology.

Suitable for organizations with up to **240TB** of source data to protect

Streamlined operations

ARTESCA+ Veeam simplifies day-to-day management by providing single-pane-of-glass monitoring for both backup and storage components — displaying key information such as backup job status and repository utilization in one view. Purpose-built integration features enhance ease of use:

- The **Veeam Assistant** delivers fast, secure, and best-practice repository configuration with simple copy-paste outputs.
- **SOSAPI integration** allows Veeam administrators to view storage metrics directly within the familiar Veeam interface — supporting a true “set-and-forget” storage experience.

Additionally, managing a single server platform reduces routine hardware maintenance tasks, such as firmware updates — further easing the operational burden for IT teams.

Ideal for IT leaders seeking an **ultra-secure, simple, and cost-effective** way to deploy Veeam with integrated object storage



Single-pane-of-glass monitoring

Cost-efficiency

With backup and storage co-located on a single server, ARTESCA+ Veeam helps organizations reduce acquisition, support, and ongoing operational costs — including data center footprint, power, and cooling — compared to traditional multi-server architectures.

For smaller environments, the savings go even further. Deployments protecting up to 20TB of source data can run on desktop or tower servers, eliminating the need for full data center infrastructure while providing a secure and affordable solution for mid-sized organizations and edge deployments.

Hardware independence

ARTESCA+ Veeam is delivered as a software appliance, giving IT teams complete flexibility to deploy on their preferred hardware. The solution supports industry-standard platforms from vendors like HPE, Dell, Lenovo, and Supermicro, enabling organizations to leverage existing buying agreements, preferred value-added resellers (VARs), and familiar server platforms.

This flexibility helps reduce acquisition costs and simplifies operations, allowing IT teams to maintain consistency across their infrastructure without adding new hardware platforms or requiring additional training on unfamiliar systems.

Backup integrity

Self-sufficient by design, the appliance runs SureBackup Lite and backup content scans independently — without impacting the production system.

Entry-level desktop and tower configurations available for organizations protecting up to 20TB of source data — no full data center required

Enterprise-grade performance

Veeam and Scality running directly on dedicated hardware ensures predictable, consistent performance — free from the variability often associated with hypervisor-based deployments. This direct-to-server architecture provides reliable backup and restore operations, even under demanding workloads.

Simplified deployment

ARTESCA+ Veeam streamlines installation and configuration, enabling fast, foolproof deployment of a backup and storage solution designed for immutability and end-to-end cyber resilience. Pre-sized and validated configurations are available for environments ranging from 10 to 240TB of source data, making it easy to right-size deployments without added complexity.

The screenshot displays the ARTESCA+ Veeam configuration interface. On the left, a progress bar shows three steps: 1. Configure Veeam (completed), 2. Apply Actions (current step), and 3. Summary. On the right, a table lists the configuration steps and their status.

Step	Action	Status
1	Create an Account	✓ Success
2	Update Configuration	✓ Success
3	Assume Account Role	✓ Success
4	Create a Bucket	✓ Success
5	Create a User	✓ Success
6	Generate Access key and Secret key	✓ Success
7	Create Veeam policy	✓ Success
8	Attach Veeam policy to User	Pending...

Two callout boxes on the right indicate 'Ready Object' and 'Ready Repository' for 'Immutability | SOSAPI IAM/STS'.

ARTESCA+ Veeam is available for configurations supporting from 10 to 240TB of source data on different hardware platforms.

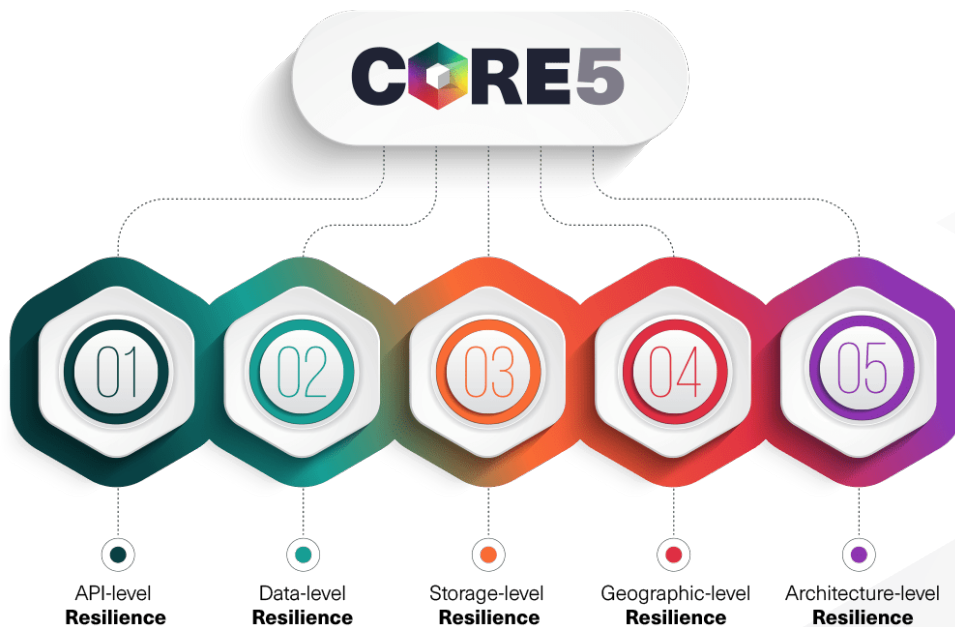
Name	Tower S	Tower L	2U Rack S	2U Rack M	2U Rack L	2U Rack XL	24 LFF Expandable
Form factor	Tower / 1U Rack		2U Rack				
HDD	4x 8TB	4x 16TB	12x 8TB	12x 12TB	12x 16TB	12x 24TB	12-24x 24TB
Source data	10TB	20TB	40TB	60TB	80TB	120TB	240TB
Usable capacity	21.1TB	42.2TB	73.7TB	110.5TB	147.4TB	221TB	442TB
Qty VMs	40	80	160	240	320	480	960

Source data is the raw data to be backed up and is calculated to fit into the usable capacity of each configuration based on the following assumptions: 5-year forecast with 14 days retention and 14 days of immutability, 5% daily change rate with 5% annual growth and 2:1 projected data reduction using VBR v12.

CORE5 Security - Enterprise-grade resilience

Built-in protection that goes beyond immutability.

Immutable storage is no longer enough. That's why ARTESCA includes CORE5, a five-layer security framework that protects your data not only from ransomware encryption — but from deletion, exfiltration, and privilege escalation attacks.



CORE5 at a glance:

- API-level protection with S3 Object Lock
- Data-level security with encryption, MFA, and zero-trust controls
- Storage-level resilience using erasure coding to render data indecipherable
- Geographic resilience via easy multi-site replication
- Architecture-level immutability baked into the core, not bolted on

Key features

Simplicity

- Unified software appliance for backup and storage
- Deploys on industry-standard x64 (AMD or Intel) servers
- Built-in Veeam Assistant for easy, best-practice integration
- Streamlined user interface designed for non-expert users
- Software update notifications and simple upgrade process, including OS

Security

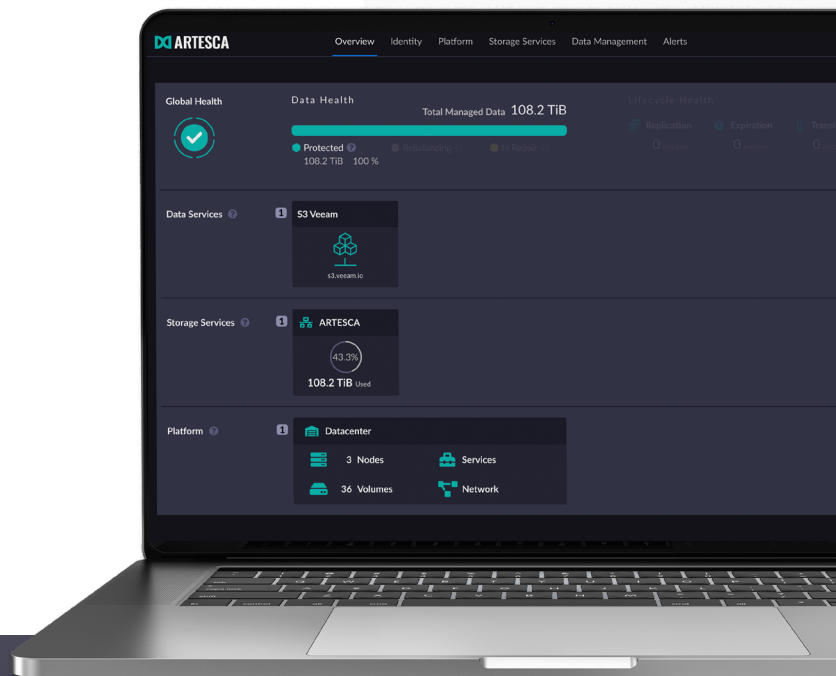
- Guaranteed immutability with S3 Object Lock, data retention policies and compliance mode
- End-to-end cyber resilience with Scality's CORE5 security framework
- Hardened, streamlined and pre-packaged operating system
- Secure MFA-enabled admin UI
- Inter-application traffic isolated from external networks
- Built-in, auto-configured firewall and locked-down ports
- HTTPS/TLS-secured S3 connections
- AES 256-bit data encryption-at-rest
- S3 v4 authentication and access control policies

Detailed monitoring and management APIs

- Unified Veeam and ARTESCA reporting screen
- Comprehensive S3 API support
- AWS IAM-compatible identity management
- Support of Veeam's full feature set: Immutability via object locking, Direct to Object (S3 API), SOSAPI, Multi-Bucket SOBR, IAM/STS Secure Mode, VM Instant Recovery, VM SureBackup

Data protection

- Erasure coding for the highest levels of data durability
- Data immutability via S3 Object Lock, plus CORE5 end-to-end cyber resilience



**Become unbreakable.
Backup to the best.**

Get started with a trusted Scality partner
artasca.scality.com/how-to-buy



Email ARTESCA@scality.com
San Francisco • Paris • Washington, D.C. • Tokyo • London