

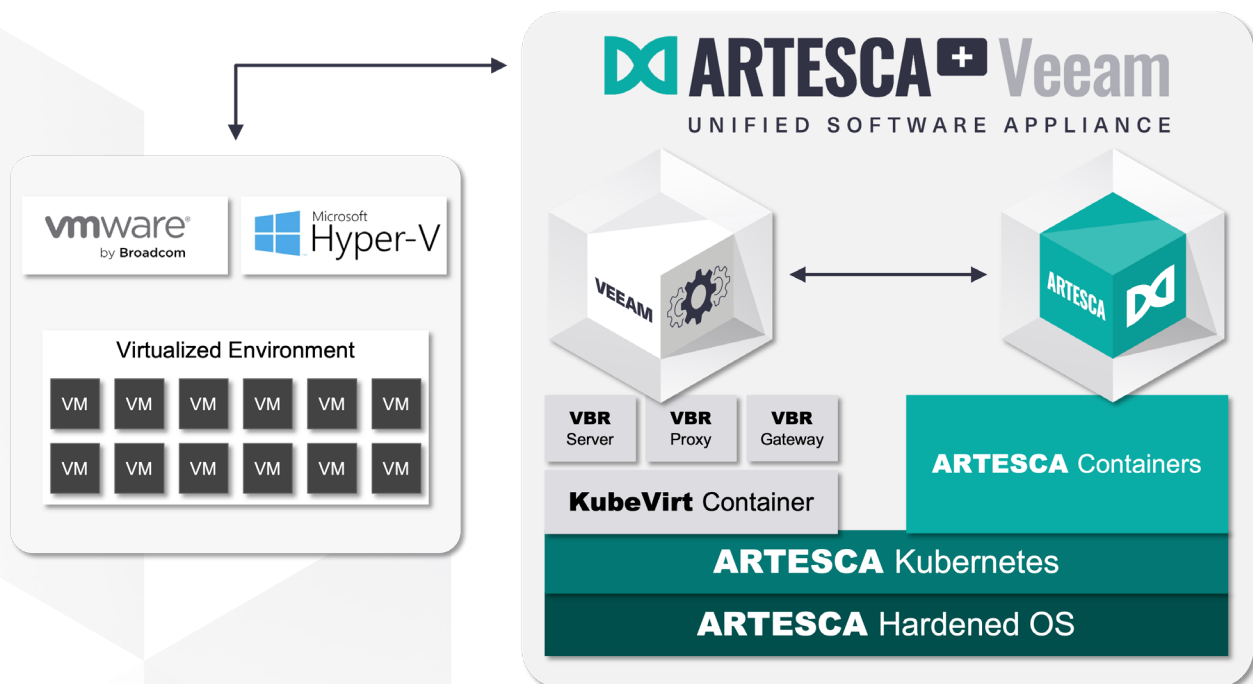
Unified software appliance

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. 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.



Benefits of ARTESCA+ Veeam

High availability options

ARTESCA+ Veeam can be deployed on a single server for standalone installations, or on three-node and six-node architectures where higher availability or larger capacity is required. ARTESCA provides native data protection and data distribution across the cluster, maintaining backup data availability during a hardware node failure and preserving read and write access for both existing and incoming backup data.

Veeam service availability is delivered through VSA13, with primary and standby services hosted on separate servers to remove application-level single points of failure. This architecture ensures continued operation of both the ARTESCA data layer and the Veeam backup service during node failure conditions, delivering a resilient backup platform with high service continuity and fault tolerance.



Best-of-breed backup & storage, unified

Veeam Backup & Replication and Scalify 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.

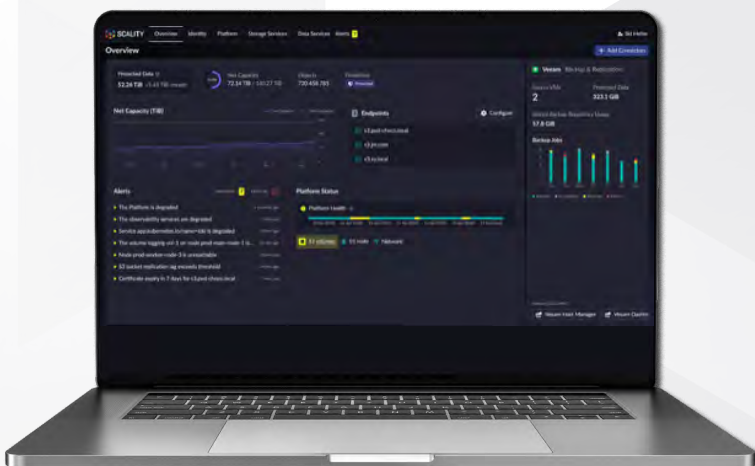
Suitable for organizations with up to 1.7PB of source data to protect

Streamlined operations

ARTESCA+ Veeam streamlines day-to-day administration through a single-pane-of-glass dashboard that combines backup and storage visibility in one interface, including backup job status, repository utilization, and related solution metrics. Direct navigation to the native Veeam interface is also provided for more detailed operational views. Purpose-built integration features further enhance ease of use:

- **The Veeam Assistant** seamlessly automates secure, best-practice repository configuration for Veeam. It provisions the required ARTESCA resources, creates the repository, and connects ARTESCA with Veeam Backup & Replication through an automatic process. S3 credentials are passed securely during setup and are never displayed to the user. Repository creation is performed directly from the ARTESCA interface, removing the need for a separate Windows-based Veeam console. A soft limit is also configured to alert administrators when repository utilization reaches 80%.
- **SOSAPI integration** allows Veeam administrators to view storage metrics directly within the familiar Veeam interface — supporting a true “set-and-forget” storage experience.

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 or cluster, 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 single server 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.

Ultra-secure solution

External connections are strictly controlled by a pre-defined, embedded ARTESCA 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.

By default the system does not expose an S3 endpoint. 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.

The Veeam Assistant automates secure, best-practice integration between ARTESCA and Veeam. It provisions the required ARTESCA resources, creates the Veeam repository, and connects both platforms through a streamlined workflow, removing the need for manual resource configuration or credential handling. Sensitive S3 credentials are not exposed through copy-and-paste processes.

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.

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

Veeam ecosystem

ARTESCA+ Veeam is supported as a storage target for Veeam Backup for Microsoft 365 and Kasten K10. This broadens the solution beyond Veeam Backup & Replication and positions ARTESCA as a validated object storage target for multiple Veeam workloads. As customers expand from virtualization into containerized environments, ARTESCA enables them to consolidate backup data on one secure, easy-to-manage infrastructure.

Backup integrity

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

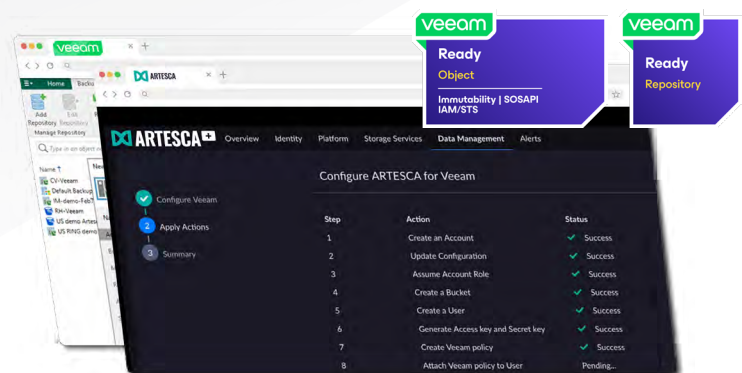
Enterprise-grade performance

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 10TB to 1.7PB of source data, making it easy to right-size deployments without added complexity.

We fully automate the deployment — no touch.



Available in single, three or six node configurations including high availability for the entire backup service and expanded capacities up to 2.4PB usable capacity - 1.7PB source data. ARTESCA+ Veeam single-server is available for configurations supporting from 10 to 240TB of source data.

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

High availability multi-server options

Form factor	3 server 12 LFF chassis		3 server 24 LFF chassis		6 server 24 LFF chassis	
HDD	36x 12TB	36x 24TB	72x 16TB	72x 24TB	144x 16TB	144x 24TB
Source data	170TB	340TB	470TB	720TB	1,150TB	1,700TB
Usable capacity	251TB	502TB	670TB	1,006TB	1,617TB	2,426TB
Qty VMs	500	1,000	1,500	2,500	4,000	6,000

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, automatic, best-practice integration
- Streamlined user interface designed for non-expert users
- Software update notifications and simple upgrade process, including OS

Security

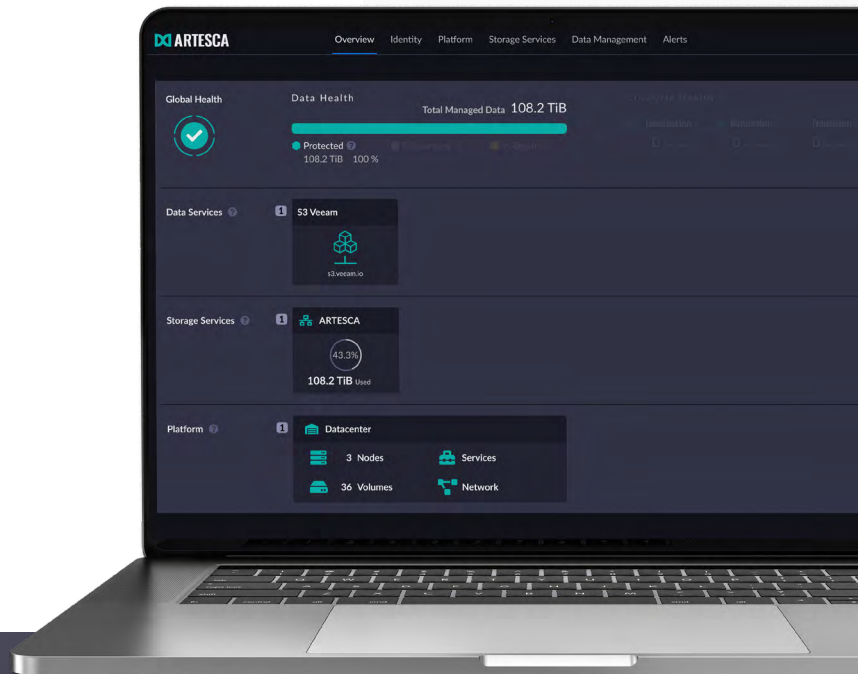
- Guaranteed immutability with S3 Object Lock, data retention policies and compliance mode
- End-to-end cyber resilience with Scality's CORE5 security framework
- Hardened, streamlined and pre-packaged operating system
- Secure MFA-enabled admin UI
- Inter-application traffic isolated from external networks by default
- 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



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