



| SCALITYDAY26

Scality ARTESCA Storage you can't break.

The cyber-resilient object storage platform built for backup



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THE STAKES

Ransomware changed the backup requirements.

Backups used to be insurance against accidents. Now they're the primary target, and mid-market teams feel it hardest, because that's where recovery plans are thinnest.

96%

of ransomware incidents
target backups

34%

of backup repos
modified or deleted

24.6

days, average time to
recover

REAL CASES

KNP Logistics, UK, ceased operations after attack.

Octave, France, taken offline.

Fasana, Germany, production disrupted.

Mid-market firms · 2024–25

The good news: whether you recover is the part you can control.

Source: Veeam Ransomware Trends Report 2025 (survey of 1,300 organizations).



Secure, Simple & Scale-Out by design

SW-appliance Delivered with a managed, hardened OS, no separate OS to manage.

Scale-up/out capacity grows by adding disks or nodes.

S3-native interface Optimized for backup applications; standard S3 and IAM APIs.

Distributed protection, no RAID Data protected across disks & nodes for durability, faster rebuild times and high availability.

Hardware-agnostic Runs on industry standard x86/amd servers.

Backup application

Veeam, Commvault, Rubrik & other S3 clients



S3

IAM

**Scalify ARTESCA software with
embedded hardened OS**



Standard x86/AMD hardware



CORE5: five independent layers

1.API:

IAM authentication & S3 Object Lock, least-privilege access enforced & objects can't be altered or deleted until retention expires

2.Data:

Intrinsic immutability, at-rest encryption and encrypted transport

3.Storage:

Erasure coding & Replication spreads data across drives and servers. Survives drive and server failures, up to 11x9s durability

4.Geographic:

Multi-site replication mirrors data to offsite locations

5.Architecture:

A hardened, no-root OS, MFA, Network segregation – data, management & replication paths isolated



WE PUT MONEY ON IT

The industry's first cyber guarantee.

Up to \$100,000 if an external attack destroys or encrypts data immutably stored on ARTESCA.

Built for the mid-market, available to qualifying commercial customers, no premium tier, when configured per the guarantee terms.

A promise Scality can make because the architecture holds.



Source: Scality press release, 2026-03-04. Requires ARTESCA 4.1.3+, 50 TB+ license, S3 Object Lock (compliance mode).



Start small. Scale with your needs

1-node

Entry point. Local erasure coding protects against loss of up to two drives..

3-node

High availability: survive a node plus a drive failure in each remaining node.

6-node

More capacity and resilience with lower protection overhead.

Standard Ethernet (10/25/40/100 GbE) · S3 and UI over HTTPS · HA ingress included, so no external load balancer is required.

Scale by adding drives and/or nodes, no rip-and-replace.
Start with one deployment, scale to many with Maestro.

Jointly tested with leading backup vendors.



- Veeam Backup & Replication: S3 Object Lock + SOSAPI
Veeam Backup for Microsoft 365
Kasten: Kubernetes workload protection



Commvault®

- Commvault Complete Backup & Recovery
S3 Object Lock immutability policies
Validated Microsoft 365 backup target

ALSO JOINTLY TESTED



rubrik

COHE^SITY

Acronis

Zerto



HYCU®

.....

Documented reference architectures · Validated benchmarks · Ongoing compatibility testing



Currently for: Veeam, Commvault & Rubrik

Connector Assistants

Express setup: fast time to value without hassle

User Action (3 Simple Steps)

- 01 Set your repository name
- 02 Set the immutability option
- 03 Set the repository capacity

Automated Creation by Scality ARTESCA

ARTESCA automatically generates and configures all required resources:

- ✓ **The Account:** Fully provisioned dedicated account
- ✓ **The Bucket:** Configured with optimal security & immutability settings
- ✓ **Application Resources:** Tailored resources for selected backup vendor
- ✓ **Dedicated IAM User:** Isolated access control
- ✓ **Dedicated IAM Policy:** Purpose-built for Veeam security requirements
- ✓ **Access / Secret Keys:** Ready to input directly into the Veeam UI

Step	Action	Status
1	Create an Account	✓ Success
2	Update Configuration	✓ Success
3	Assume Account Role	✓ Success
4	Create a Bucket: veeam-replication-bucket	✓ Success
5	Tag Bucket: veeam-replication-bucket	✓ Success
6	Prepare Veeam integrated object repository	✓ Success
7	Enforce Veeam integrated object repository	✓ Success
8	Set maximum repository capacity	✓ Success
9	Create a User	✓ Success
10	Generate Access key and Secret key	✓ Success
11	Create Policy	✓ Success
12	Attach Policy to User	✓ Success



CO-DEVELOPED WITH VEEAM

ARTESCA+ Veeam: co-developed, unified.

Co-developed with Veeam

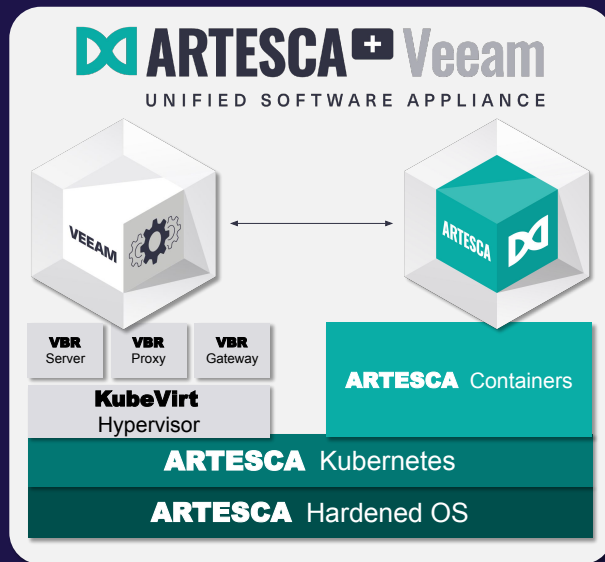
ARTESCA immutable storage and Veeam backup, engineered together into one software appliance, not a bolt-on integration.

Up to 30% less infrastructure

Fewer moving parts than a separate backup-plus-storage stack.

Triple HA

Application, Database, and Storage all stay up if a node fails



ARTESCA in numbers.

Backup + immutable storage with fast restore = 100% protection.

CUSTOMERS

1,000s

DEPLOYMENTS

1,500+

SERVERS

2,000+

CAPACITY

500PB+

APP CONNECTORS

50+

SINGLE NODE

50%

SCA CERTIFIED

1,000+

DELIVERY CERTIFIED

150+

DATA BREACHES

0

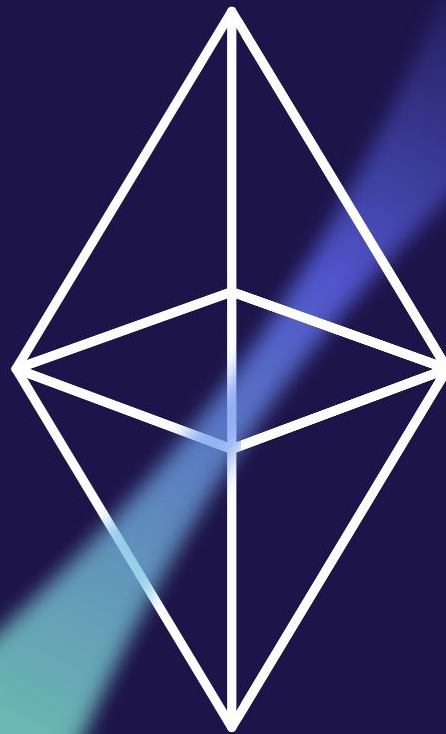
RANSOMS PAID

\$0

Source: Scalify ARTESCA install-base reporting, 2026



ARTESCA News & Roadmap



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ARTESCA

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Agenda & Key Pillars



01

Platform & UX

Elevating operational simplicity, modernizing user experience, and advancing core platform functionalities.



02

SP/MSP & Mass Management

Empowering Service Providers and Managed Service Providers with multi-tenant capabilities, telemetry, and tailored architecture.



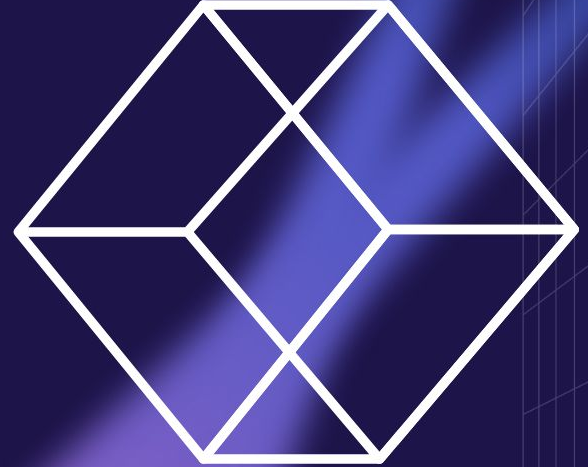
03

Cyber Resilience

Fortifying end-to-end immutability, zero-trust security architecture, and rapid ransomware recovery.



Platform & UX



What's New and Available



New Overview Dashboard



Better Disk Management from the UI



Expand with Mixed Drive/server Sizes



Operational Telemetry



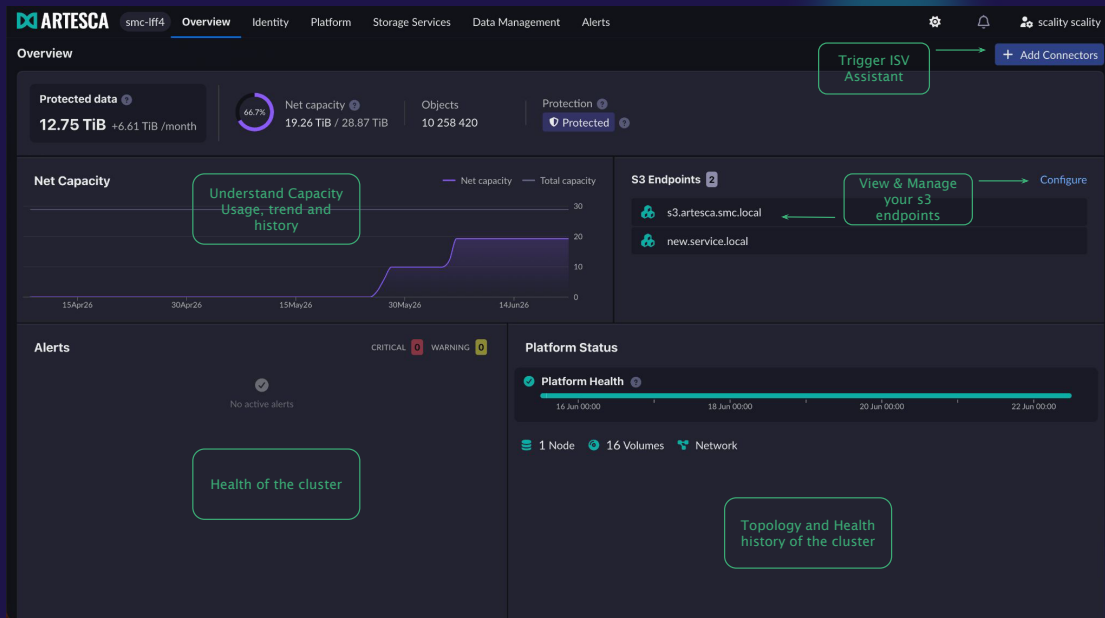
Integration to SIEM



HW Price Reduction (Less RAM & NVMe)



ARTESCA+ Platform



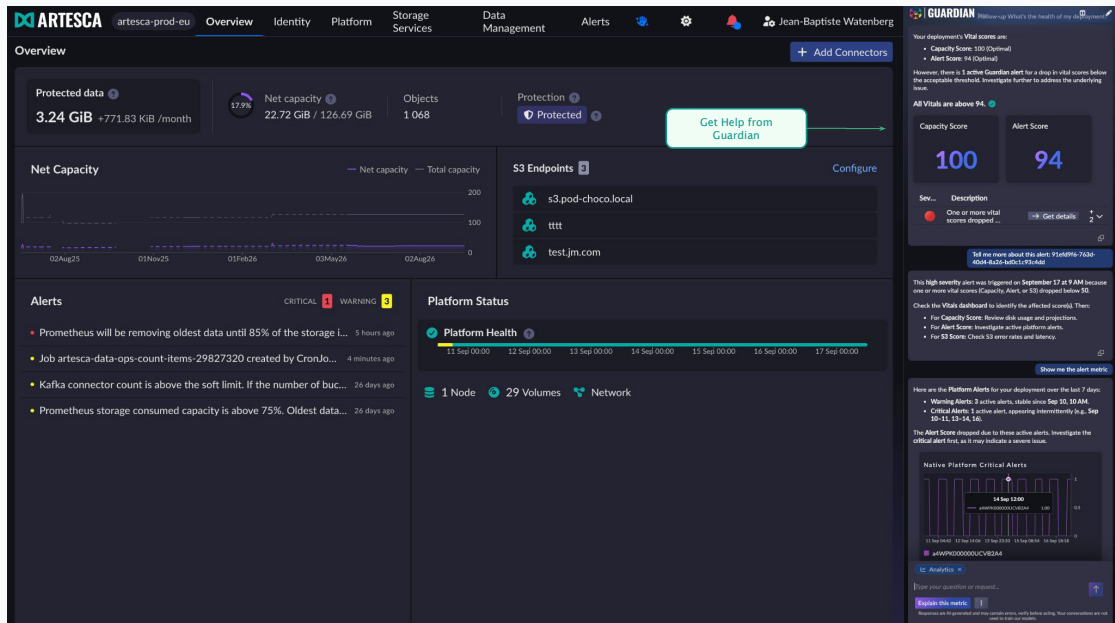
What's Coming

One click Upgrade from the UI

Guardian Assistant in ARTESCA (preview mode)

ARTESCA+ VM monitoring and operation from the UI

Cross Regional Replication (CRR) Assistant



What's Next



Automatic Disk Management



New ARTESCA OS (Rocky9 then Talos)



FIPS and Post Quantum Encryption



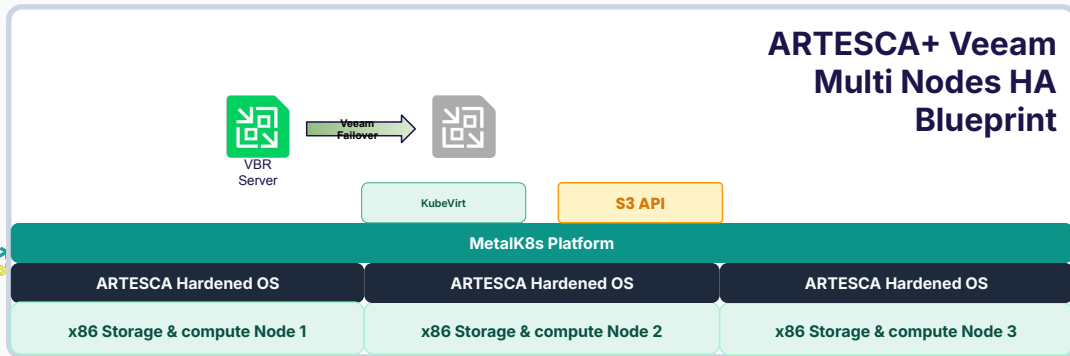
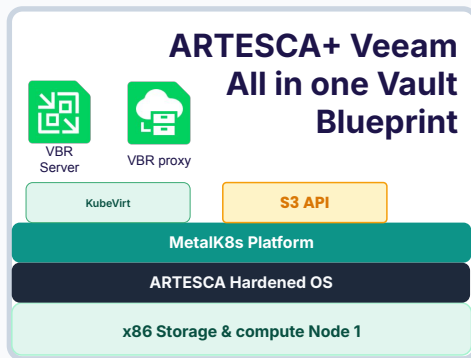
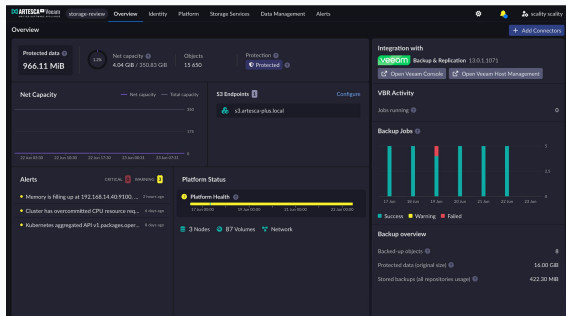
HW Monitoring & Management from
ARTESCA

The screenshot displays the ARTESCA Platform interface for hardware monitoring. The top navigation bar includes tabs for Overview, Identity, Platform (selected), Storage Services, Data Management, and Alerts. The user 'Eric Haussmann' is logged in. The main view is titled 'Hardware Monitoring > node-2' and shows a 'Health' status of 'Warning' with the message 'Hardware degraded, 1 component'. Below this, there are tabs for 'Hardware' and 'Hardware Events'. A summary bar indicates 'Total: 62 components' and 'Updated 2026-10-05 09:14:20'. A 'Collect diagnostics' button is present. The main table lists hardware components with columns for Status, Type, Component, Reading, Model, Serial, and Firmware. The table contains 10 rows of data, including power supplies, system information, BMC, power consumption, and processors/memory.

Status	Type	Component	Reading	Model	Serial	Firmware	
Warning	Power	Power supply 2	Input lost, 0 W	HPE 1000W Flex Slot Titanium	5WBXT0A4D2JOC2	2.03	<button>↑ Update</button>
OK	System	Server	Powered on	ProLiant DL380 Gen11	CZ2D1A0B7M	BIOS U54 v2.16	<button>↑ Update</button>
OK	BMC	iLO 6	—	iLO 6 Standard	—	1.62	<button>↑ Update</button>
OK	Power	Power consumption	418 W	—	—	—	
OK	Power	Power supply 1	418 W	HPE 1000W Flex Slot Titanium	5WBXT0A4D2JOC1	2.03	<button>↑ Update</button>
OK	Processor	Processor 1	—	Intel Xeon Gold 6430, 32 cores	—	0x2B000590	
OK	Processor	Processor 2	—	Intel Xeon Gold 6430, 32 cores	—	0x2B000590	
OK	Memory	PROC 1 DIMM 1	—	HPE 32GB DDR5-4800 RDIMM	8C3A101F1	—	
OK	Memory	PROC 1 DIMM 3	—	HPE 32GB DDR5-4800 RDIMM	8C3A103F1	—	



ARTESCA+ Veeam All In One Vault Blueprint



- Unattended Install
- Veeam Vitals in ARTESCA UI
- Automatic Repo Provisioning
- Multi Node and HA

VALUE PROPOSITION & BENEFITS

- More Security (No DNS, No Creds)
- Less CAPEX & OPEX
- Converged proxy + repository

ARTESCA+ Other ISV



ARTESCA+ Commvault All in one

x86 Storage & compute Node



Optimized total cost of ownership



Improved & Built-in Security



Adaptable Designs & Custom Services
ex: ARTESCA+ VRO & VIA, ARTESCA+VBR & VBO, etc ...



Ease of Operations



ARTESCA+ CTERA Filer on the Edge

x86 Storage & compute Node

ARTESCA+ Any VM



x86 Storage & compute Node

ARTESCA+ artesca-prod-eu Overview Identity Platform Storage Services Data Management Alerts							
Virtual machines 2							
+ Add Virtual Machines							
Name	Status	Node	IP	vCPU	vRAM	Disks	
vecam-recovery-orchestrator	Running	node-1	10.160.121.40	2 / 8 25%	9 GiB / 47 GiB 19%	2 disks - 620 GiB	
vecam-proxy	Running	node-2	10.160.121.41	3 / 8 38%	12 GiB / 16 GiB 72%	1 disk - 80 GiB	

Researches – Advanced Block Storage



Network Protected



Snapshot



Backup to S3



Automatic / Native Failover for embedded VM



No cluster extra license from ISV



iSCSI or NVMeOF connectors for an external Application

CLIENT PROTOCOLS & ACCESS PORTS

S3

iSCSI

NVMe oF

Port 443

Port 3260

Port 4420

GATEWAY LAYER

Ingress

iSCSI GTW

NVMe oF GTW

STORAGE SERVICES & MANAGEMENT ENGINE

S3 Object Storage

High Availability (HA)

Block Storage

CSI Driver

local, resilient, backup to S3

NVMe Slice - Entire Disk - RAID Array

KUBERNETES & OPERATING SYSTEM STACK

MetalK8s Platform

ARTESCA Hardened OS

PHYSICAL INFRASTRUCTURE NODES

x86 Storage or compute Node 1

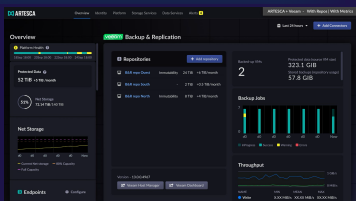
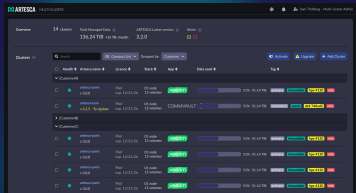
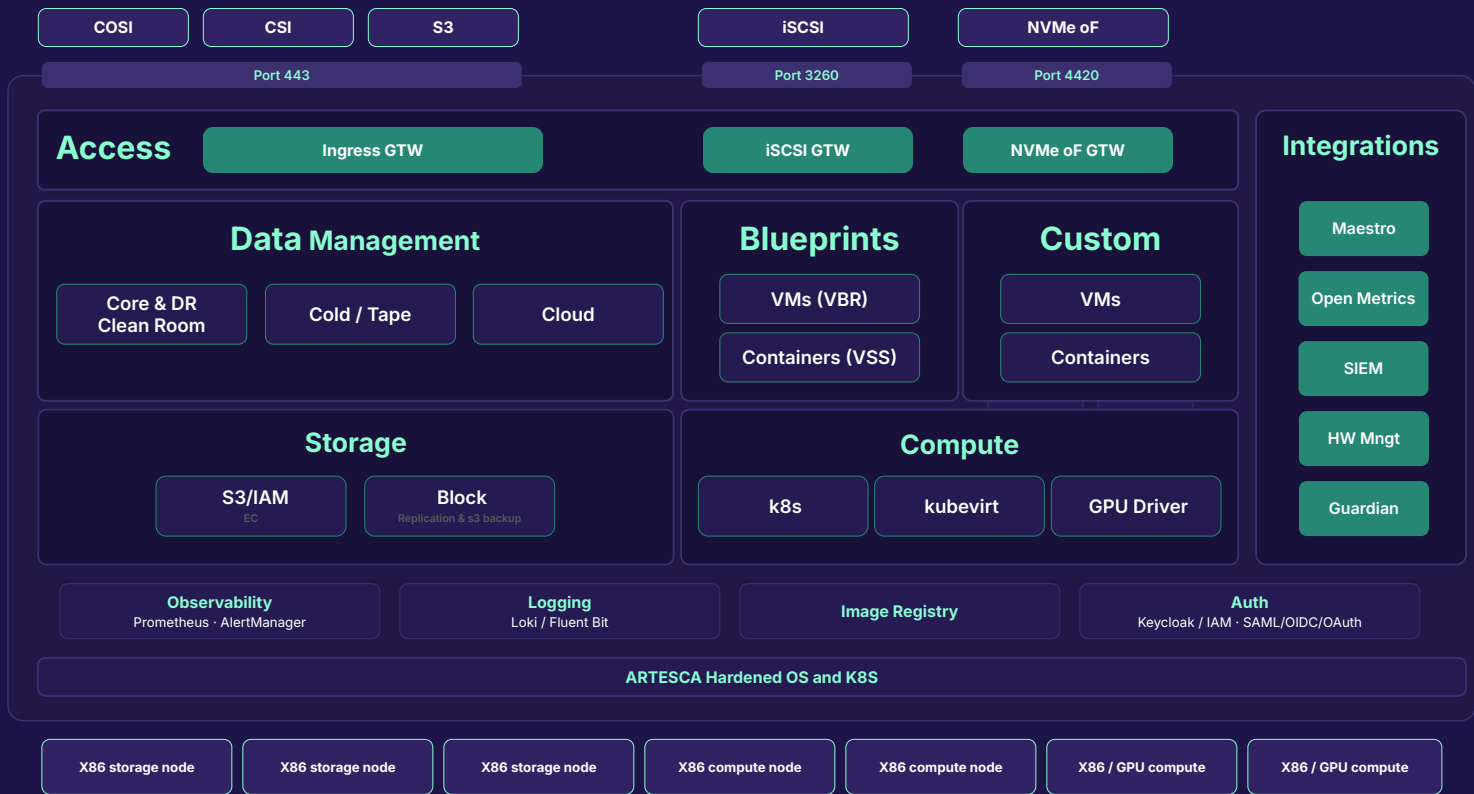
x86 Storage or compute Node 2

x86 Storage or compute Node 3



The Vision

ARTESCA+ Appliance



SP/MSP & Mass Management



What's New and Available



Maestro



Maestro registration from ARTESCA UI



Scality Utilization Reporting API



Storage Usage Reporting API



Pay as you Go License

```
{
  "isTruncated": false,
  "marker": "",
  "accounts": {
    "my-account": {
      "us-east-1": {
        "bytesTotal": 1099511627776,
        "objectsTotal": 50000
      },
      "eu-west-1": {
        "bytesTotal": 549755813888,
        "objectsTotal": 25000
      }
    },
    "other-account": {
      "us-east-1": {
        "bytesTotal": 274877906944,
        "objectsTotal": 12000
      }
    },
    "empty-account": {}
  }
}
```



What's Coming



Maestro labels



One Click Maestro Upgrade



ARTESCA Factory Deployment

The screenshot shows the MAESTRO dashboard interface. At the top, there's a header with the MAESTRO logo and user information (Sam Thalberg). Below the header, there's a summary section showing 'Deployments: 114', 'Total Managed Data (live): 12.15 PiB (13.68 PB)', and 'Fleet health: 9 of 114 deployments unhealthy'. There's also a link to 'ARTESCA latest version: 4.3.0 - 98 of 114 up to date'. The main section is titled 'Deployments' and contains a table of deployment details. The table has columns for Name, Managed data, Version, Group by, Label, Health, and Version. The table lists several deployments, including 'artesci-acm-prod', 'artesci-ams-ac01', 'artesci-acme-asia', 'artesci-acme-emea-dr', 'artesci-intech-stg', 'art-fra-prod-02', and 'art-globex-us-east'. Each row shows the deployment name, its status (e.g., 'Connected'), and various metrics like 'Nodes', 'Volumes', 'Managed Data', and 'Monthly Used Capacity'. There are also links to 'Manage' and 'Upgrade all'.

Name	Managed data	Version	Group by	Label	Health	Version
artesci-acm-prod	151.29 TiB 149.78 TiB	(166.34 TB) (164.68 TB)	eu-west	Connected	✓ v4.3.0	Manage
artesci-ams-ac01	223.14 TiB 196.36 TiB	(245.34 TB) (215.90 TB)	eu-west	Connected	v4.2.1	Manage
artesci-acme-asia	45.48 TiB 42.75 TiB	(50.01 TB) (46.99 TB)	eu-west	Connected	✓ v4.3.0	Manage
artesci-acme-emea-dr	151.29 TiB 137.67 TiB	(166.34 TB) (151.37 TB)	eu-west	Connected	v4.2.1	Manage
artesci-intech-stg	145.48 TiB 126.57 TiB	(159.95 TB) (139.16 TB)	staging	Connected	✓ v4.3.0	Manage
art-fra-prod-02	23.14 TiB 22.21 TiB	(25.44 TB) (24.42 TB)	production	Connected	✓ v4.3.0	Manage
art-globex-us-east	251.29 TiB 248.78 TiB	(276.39 TB) (273.53 TB)	critical-client	Connected	v4.1.0	Manage



What's Next



ARTESCA Fleet Upgrade from Maestro



Hardware Monitoring & Management from Maestro



License Management from Maestro



ARTESCA Alert Types & Details in Maestro



Automatic Sending of Pay as you Go report



Soft & Hard Quotas

Overview
Report
Upgrade
Sam Thalberg

Upgrade

Latest ARTESCA version 4.3.2

Transfers, one version is distributed to every deployment before the next one starts

No transfer running

16 deployments
10 updates available
0 downloading
2 ready to upgrade
0 upgrading
2 out of support
2 on the latest version

4 of 16 deployments selected
4.3.2 (2)
4.2.3 (1)
Download (3)
Start upgrade (1)
Forget (1)
Clear

Deployment	Platform	Version	Support ends	Upgrade status
☐ artescanorthwindprod	Healthy	4.3.2	2027-04-17	Up to date
☐ artescanorthwindprod	Healthy	4.3.2	2027-04-17	Up to date
☒ artescanorthwindprod	Healthy	4.3.1	2027-04-17	New version available 4.3.2 Download 4.3.2
☒ artescanorthwindprod	Degraded	4.3.1	2027-04-17	New version available 4.3.2 Download 4.3.2
☐ artescanorthwindprod	Healthy	4.2.3	2027-01-27	New version available 4.3.2 Download 4.3.2
☐ artescanorthwindprod	Healthy	4.1.2	2026-10-29	New version available 4.2.3 Download 4.2.3
☐ artescanorthwindprod	Healthy	4.3.1	2027-04-17	New version available 4.3.2 Download 4.3.2
☐ artescanorthwindprod	Healthy	4.2.3	2027-01-27	New version available 4.3.2 Download 4.3.2
☐ artescanorthwindprod	Healthy	4.3.1	2027-04-17	New version available 4.3.2 Download 4.3.2



ARTESCA Factory Deployment

1. Execution Engine

Factory Deployment

100% Automated Tooling

Available from the official Repo



2. Tooling Formats & Deliverables

VMware
OVA

Pre-configured Appliance

Any Platform
Tarball

Containerized Host

KVM
QCOW

Linux Native VM

Hyper-V
VHD

Microsoft Virtual Disk

Factory TUI Terminal Interface

```

Main
factory
Alpine Linux v3.23
6.18.44-0-lts
192.168.14.53
5h21m54s
0.05 0.01 0.00
4/4 services

Factory Network
Admin Network
> Service Status
View Logs
Restart Services
Root Shell
Configure Password
Reboot

health, ports
factory
Enter select ^C quit
```



ARTESCA Fleet Management from Maestro

ARTESCA Node Stack

Maestro Agent

Outbound Orchestration & Telemetry

ARTESCA OS

Virt BMC

Standard x86
Storage Hardware

RedFish API

SECURE OUTBOUND CHANNEL

No VPN Required

Zero Inbound Attack Surface



Monitor Health & Usage

Continuous telemetry and metrics broadcast to central controller.

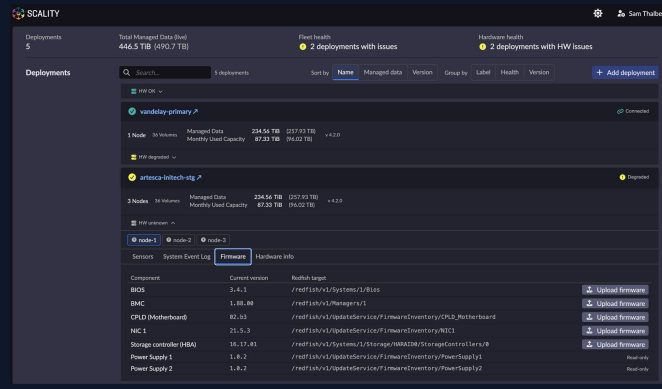
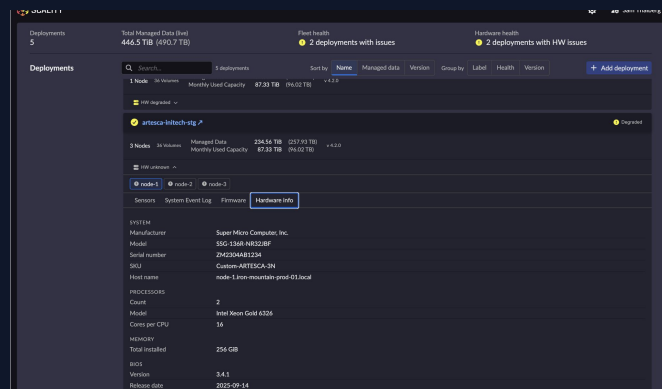
Firmware & OS Upgrades

Remote non-disruptive software and firmware updates.

Zero Inbound

Secure outbound connection active only when connected.

Maestro Console



Evolution of Multi-Tenant Capacity Usage Management

CURRENT STATE

Storage Usage Reporting API

External Tooling Required

- Manual/External monitoring
- Custom script integrations
- Manual traffic stop actions

Service providers currently pull raw telemetry via API to build custom monitoring routines and manually enforce customer capacity usage limits.

AVAILABLE

PHASE 1

Native Soft Quotas & Alerting

Platform-Level Monitoring

- Built-in ARTESCA alerts
- Replaces custom tooling
- Automated notifications

Shift monitoring responsibility to ARTESCA. Native soft quotas eliminate external tool dependencies and proactively alert admins on threshold breaches.

PLANNED

PHASE 2

High-Precision Engine

Enhanced Computation

- Near-instant calculation
- Granular metric accuracy
- Low-latency accounting

Upgrade the core computation engine to ensure high-precision, real-time usage tracking, preparing the platform for strict automated enforcement.

PLANNED

PHASE 3

Automated Hard Quotas

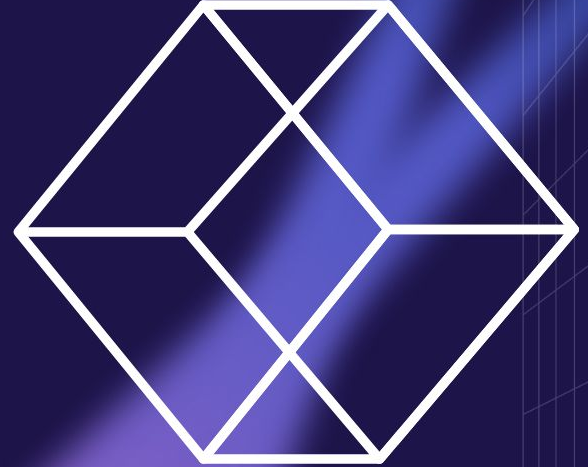
Enforcement & Control

- Auto-stop write traffic
- Strict threshold limits
- Complete tenant control

Introduce hard quota enforcement to automatically block incoming write traffic when capacity limits are exceeded, fully protecting system resources and provider margins.

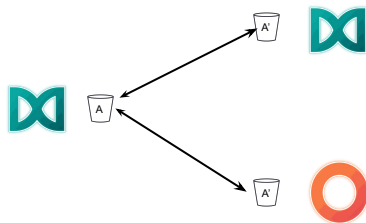
PLANNED

Cyber Resilience



Copy your data Anywhere, Anytime

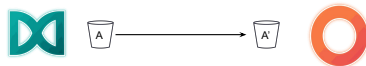
One to Many



Pull



Dump



Chained



Data Management

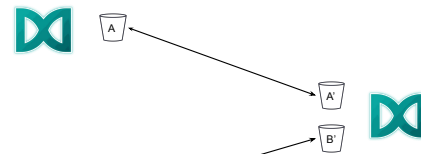
Replicate to
Core & DR or Cloud

Pull from
Clean Room

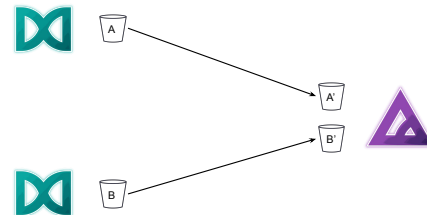
Transition to
Cold/Tape

Direct to
Cold/Tape

Many to One



Many to One



Properties of Pull Replication

Core characteristics and operational model of ARTESCA Pull Replication



Triggered from Destination (Clean Room)

No inbound connections allowed into the isolated clean room



Apply to bucket content

Replicates exact object payloads and data structures



Scheduled

Executes within defined backup time windows and intervals



Maintain version IDs

Preserves complete version history and version identifiers



Asynchronous

Non-blocking decoupled replication using resilient queuing



Maintain Metadata

Full fidelity replication of user and system metadata



Per Bucket

Flexible scope configuration across single or grouped buckets



Maintain Retention Locks

Enforces immutability and compliance retention settings

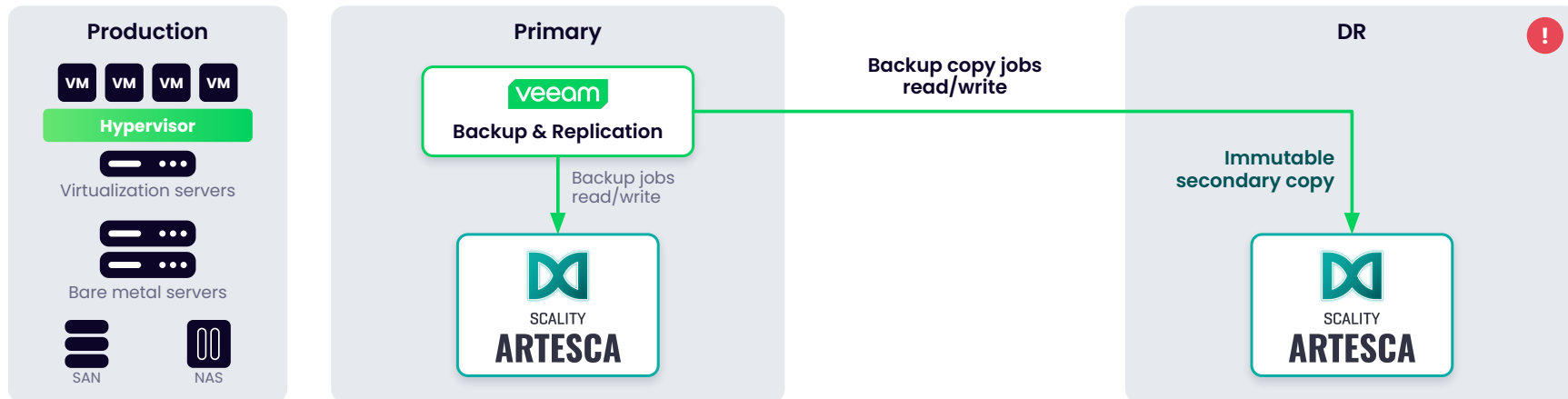


Maintain Data Lifecycle

Delete markers and explicit version deletions are replicated (unlike standard CRR)



Veeam builds the DR copy



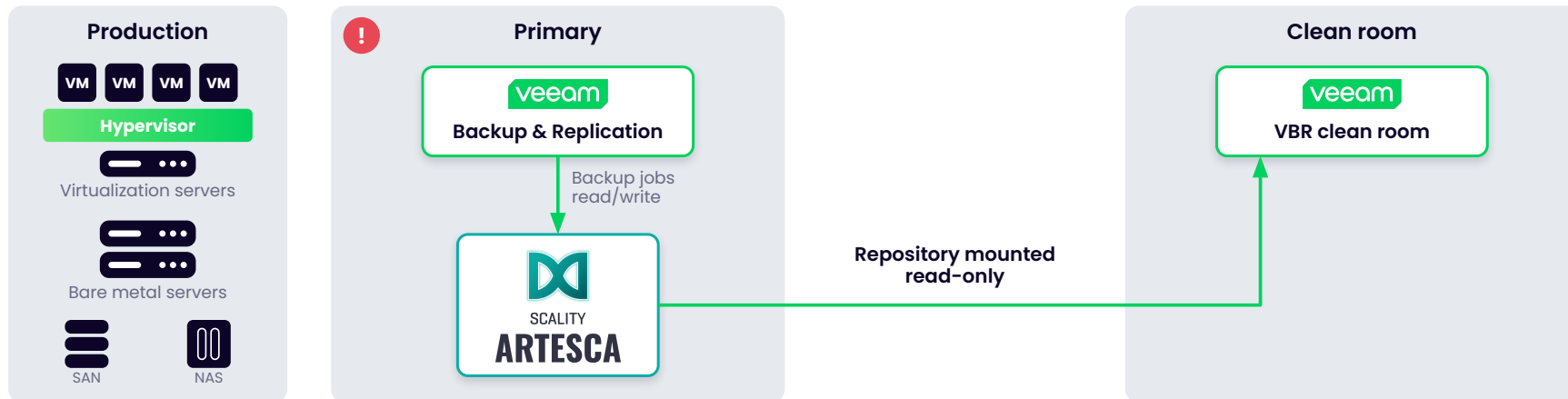
What works today

- ✓ Backups are immutable on primary
- ✓ Veeam VBR builds an immutable secondary copy on DR
- ✓ Scan and restore from the secondary copy

Gaps to close

- ! Backup copy jobs are configured in VBR on primary
- ! A compromised primary can reveal that the DR site exists

The clean room reads from primary



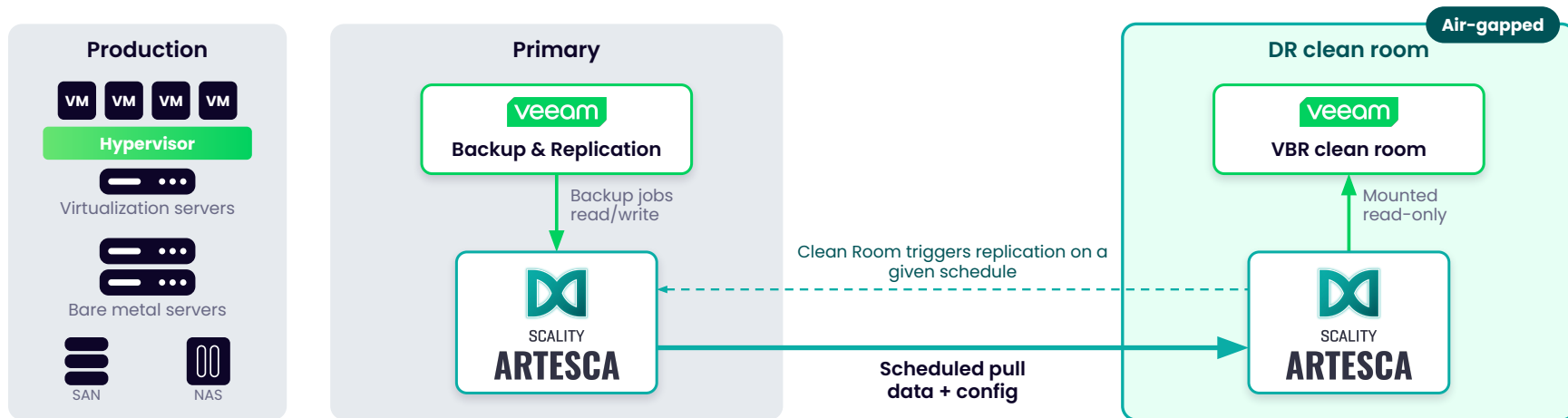
What works today

- ✓ Veeam VBR clean room mounts the primary ARTESCA repository read-only
- ✓ Scan, test restores and analyze backups in the clean room

Gaps to close

- ! The primary ARTESCA repository is heavily loaded, serving both production backups and the clean room
- ! This is a clean room site with no recovery capabilities

ARTESCA builds the copy from the clean room



Isolated from primary

- ✓ ARTESCA builds the secondary copy from the clean room
- ✓ Veeam and ARTESCA on primary don't reference the copy
- ✓ No configuration needed in Veeam
- ✓ Clean room ARTESCA is secured with read-only IAM policies
- ✓ No Inbound traffic in the Clean Room
No complex/expensive devices needed to secure the clean room

Ready to recover

- ✓ VBR clean room mounts its ARTESCA repository read-only
- ✓ Scan, test restores and analyze backups from the VBR clean room
- ✓ Restore from the DR clean room in case of disaster

Pull Replication assistant

Set up from the clean room site in three steps

Configure pull replication
Configure pull replication from primary site

This site uses pull replication to periodically fetch an isolated copy of your backup buckets from the primary site, so you always have a clean recovery point. [Learn more](#)

Primary site  This site
metadata, then data

This site reaches out on a schedule to fetch data. The link is isolated, with no persistent or known connection from the primary's side.

Primary site URL
https://primary-cluster.example.com

Primary site credentials
Requires platform admin rights on the primary site.

scality

✓ Connection successful, platform admin rights confirmed. [Test connection](#)

Bucket discovery
Scanning every account on the primary site for buckets. This can take a moment depending on how many accounts and buckets exist upstream.

Buckets on primary site [Select all](#)

BUCKET	ACCOUNT	STATUS	object-lock
☒ commvault-dr-backup	presales	versioning	
☒ threatscan-bucket	presales	versioning	
☒ threatscan-worm-bucket	presales	versioning	object-lock
☐ bucket-test	presales	versioning disabled, not eligible	

Buckets added to the primary site later are not picked up automatically. The configuration needs to be edited to include them.

Schedule the replication (optional)
The window paces the replication from this site. It does not open or close the primary site, which stays reachable as usual. Place it outside the production backup window so the two don't compete.

From 00:00 to 06:00 Timezone CET (UTC+1) 

Primary site activity, average of the last 7 days MiB/s, by hour



[Submit](#)

1

Connect to the primary ARTESCA

1

Enter the primary site URL and platform admin credentials, then test the connection

2

Choose your buckets

2

Bucket discovery scans every account on the primary site; versioned buckets are eligible

3

Define your schedule to avoid impacting daily backups

3

Place the replication window outside the production backup window, guided by 7 days of primary site activity

Value proposition



Unknown to attackers

Veeam and ARTESCA on primary don't reference the clean room



Air-gapped by design

Scheduled pulls and no inbound connection on the clean room



Test without loading primary

Test recovery plans and backup reliability on the clean room copy



Transparent for Veeam

Air gapped secondary copy is managed by ARTESCA, with no configuration nor extra platform resources needed in Veeam



One platform, two jobs

One ARTESCA platform serves both clean room and DR, and all compatible with ARTESCA+ Unified Appliance, reducing overall cost

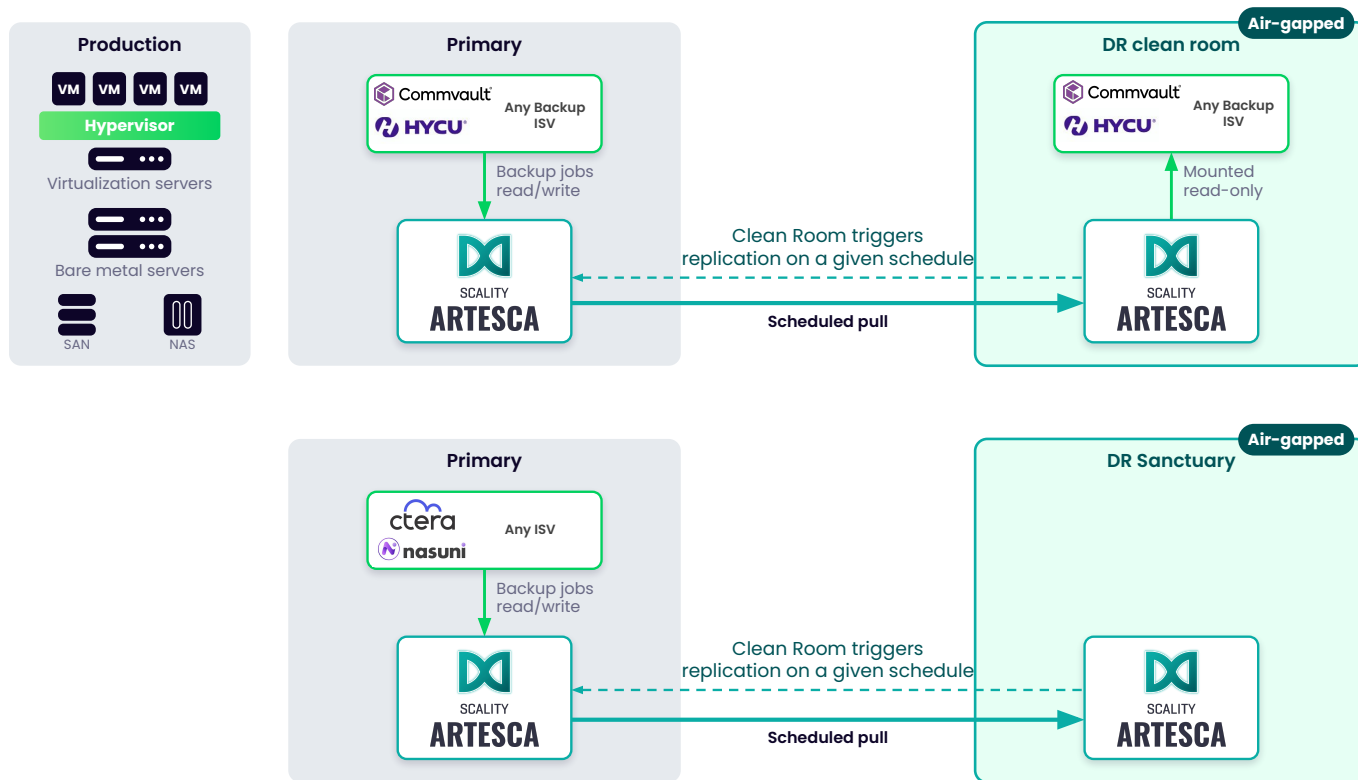


Ultra Secured DR site and comply with regulation authorities

DR site inherits Clean Room properties (air gapped, isolated, unknown)
Follow main DORA, NIS2 principles



Use Pull Replication with Any ISV



Scality **ARTESCA** Test Drive



A 48-hour hands-on environment for Scality partners:
no setup, no install, ready in 30 minutes

WHAT'S INCLUDED



48 hours, fully provisioned

Auto-provisioned environment. Yours from the moment credentials arrive.



100 GB of storage

A real Scality ARTESCA environment — not a sandbox walkthrough.



Ready in ~30 minutes

No download, no install, no infrastructure setup.

WHAT TO USE IT FOR



Demo to prospects

Show Scality ARTESCA live, in your own session, with real workloads.



Test integrations

Validate setup with Veeam, Commvault, and other supported applications.



Get hands-on before customer calls

Explore new features and deployment ahead of customer conversations.

START your ARTESCA Test Drive today!





THANK YOU

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