

**WHY**

**PROTECTION,  
SECURITY,  
AND AI**

**MUST CONVERGE**

**COHESITY**

## WHY PROTECTION, SECURITY, AND AI MUST CONVERGE

For years, organizations have treated data protection, data security, and AI initiatives as separate priorities. Backup teams focused on recovery. Security teams focused on threat prevention. AI teams focused on analytics, automation, and innovation. Each team operated with its own tools, objectives, and architectures.

It's time to reimagine this fragmented model.

The reasons are practical. Cyberattacks are increasingly targeted, and data now lives everywhere: on-prem, in the cloud, and across SaaS. At the same time, enterprises are struggling to access data to improve their AI outcomes. That data is often split across disparate systems, increasing both complexity and blind spots.

Adding more tools doesn't fix that. It makes it worse.

The organizations pulling ahead aren't adding more layers.

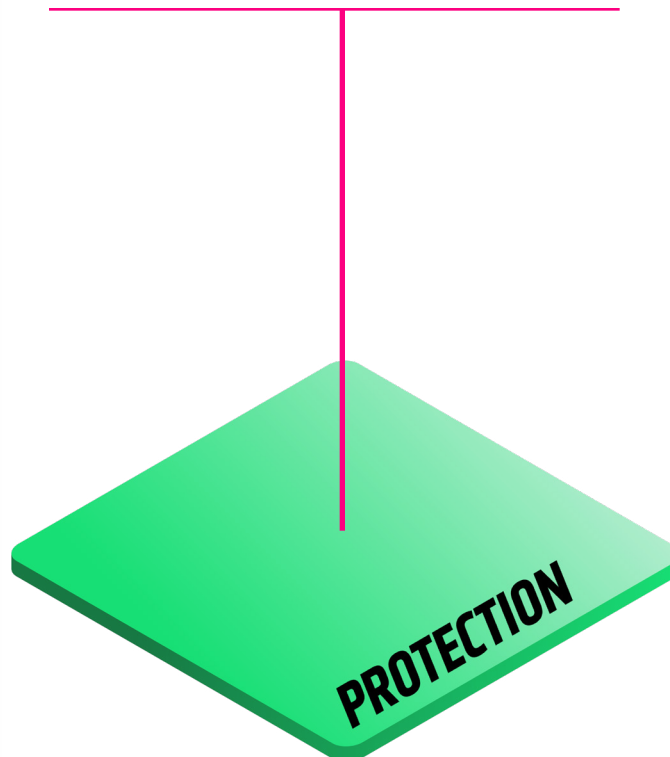
They're rethinking the foundation.

# PROTECTION is the foundation

Protection is the first step toward cyber resilience. It starts with comprehensive coverage across the entire data estate—spanning virtual machines, databases, file systems, and unstructured workloads.

Protection needs to cover all this data—consistently and without gaps. Recovery depends on it. When protection is incomplete, fragmented, or inconsistent, you can't count on clean, rapid recovery. When protection is comprehensive and consistent, you can—without corruption, loss, or residual risk.

Cyber resilience begins with this foundational level of protection.



# SECURITY

## must be integrated at the data layer

Once protection is established, the next challenge becomes clear.

If backup systems can be compromised, encrypted, or accessed improperly, recovery data itself becomes another attack surface. Security can't remain an external overlay. It must operate directly at the data layer.

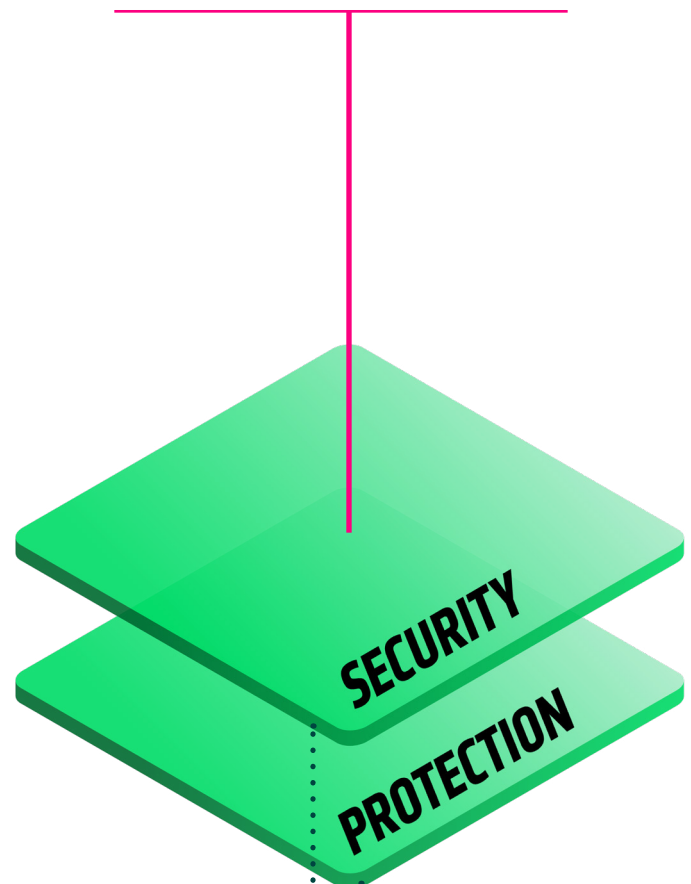
That means:

- Detecting anomalous activity within backup environments
- Enforcing identity and access controls at the source
- Applying governance consistently across the data estate

When protection and security operate on separate systems, teams are forced to reconcile signals and policies across tools—often during high-pressure situations. Gaps appear not because capabilities don't exist, but because these capabilities aren't unified.

Embedding security into the data protection layer closes those gaps, allowing security and recovery to reinforce one another. Threat detection supports clean recovery, and governance is applied once and enforced everywhere.

Together, they create a trusted data foundation.



**Protection**

establishes resilience.

**Security**

strengthens it.

# MAKING AI

## practical at enterprise scale

Only after data is reliably protected and secured does a new opportunity fully emerge.

To make AI impactful, organizations must:

- Bring together unstructured data across environments
- Capture historical changes
- Maintain consistent governance, role-based access, and auditability
- Reduce the risk of duplication and unintended exposure

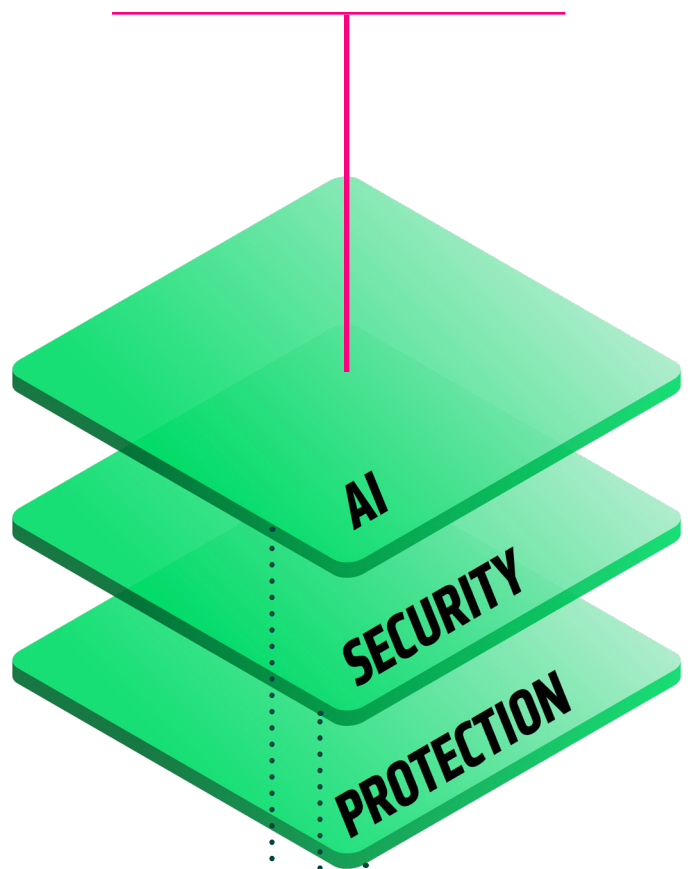
Many teams try to solve this by copying data into separate analytics or AI platforms. The result is higher cost, greater complexity, and an expanded attack surface.

**A unified foundation changes the equation. It enables organizations to access AI-ready data and use it safely, accurately, and completely.**

When protection and security are already integrated, the same trusted data estate can be made discoverable and usable—without breaking governance models or duplicating data and infrastructure. Data that safeguards continuity becomes AI-ready data that fuels insight.

In this model, AI serves two roles. It enhances the underlying platform through automation and smarter detection. And it powers downstream applications—from productivity assistants to specialized agents—using governed enterprise data as their source.

Each layer builds upon the one before it.



**Protection** makes data recoverable.

**Security** makes it trustworthy.

**AI** makes it valuable.

# CONVERGENCE makes sense

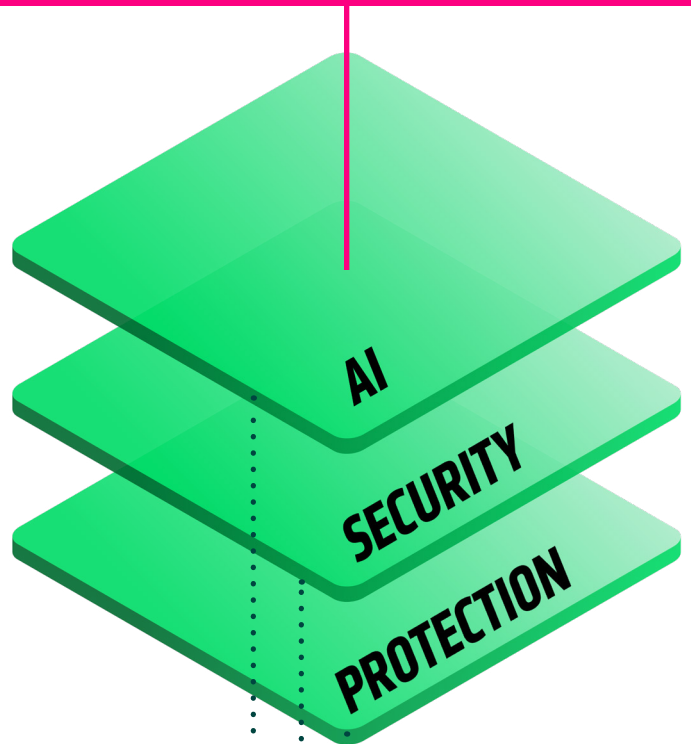
When protection, security, and AI readiness converge on a single foundation, your data is:

- Governed once and used many times
- Protected wherever it resides
- Secured at the source
- Made AI-ready without duplication.

Suddenly, the safest copy of your data has become the smartest copy of your data.

In a world defined by cyber risk and accelerating AI adoption, the architectural choice is clear: one data estate, managed as a single, scalable system, built to withstand disruption and generate insights at the same time.

THAT'S THE COHESITY DATA CLOUD.



**Protection** ensures recoverability.  
**Security** reduces exposure.  
**AI** extracts value.

## PROVEN AT ENTERPRISE SCALE

The Cohesity Data Cloud is the only unified platform built to strengthen cyber resilience and extract more value from your data.

It protects **1,000+** workloads across on-prem, cloud, and SaaS,

delivering up to **18x** faster backups,

**97%** faster restores, and instant AI time-to-value,

with **50%** less storage and

up to **40%** overall cost savings.

Learn more at [cohesity.com/DataCloud](https://cohesity.com/DataCloud)

© 2026 Cohesity, Inc. All rights reserved.

Cohesity, the Cohesity logo, SnapTree, SpanFS, DataPlatform, DataProtect, Helios, and other Cohesity marks are trademarks or registered trademarks of Cohesity, Inc. in the US and/or internationally. Other company and product names may be trademarks of the respective companies with which they are associated. This material (a) is intended to provide you information about Cohesity and our business and products; (b) was believed to be true and accurate at the time it was written, but is subject to change without notice; and (c) is provided on an "AS IS" basis. Cohesity disclaims all express or implied conditions, representations, warranties of any kind.

## COHESITY

[cohesity.com](https://cohesity.com)

1-855-926-4374

2625 Augustine Drive, Santa Clara, CA 95054

6300010-001-EN-US-03-2026