Solution brief

Cyber-resilient data protection, Built for the HPE hybrid cloud

Veeam Data Platform, Veeam Data Cloud Vault, and HPE infrastructure help protect, recover, and modernize your critical workloads.

Your infrastructure is changing. Your recovery requirement isn't. Most enterprises are working through several transitions at once: refreshing HPE compute and storage, standing up private cloud, reassessing hypervisors after years of licensing upheaval, and opening their data to AI tooling that reaches further across the estate than any application before it. Every one of those moves changes where data lives, how fast it grows, and who can get to it.

The threat list has grown alongside it. Ransomware and destructive attacks take the headlines, and they increasingly go after the backup environment first. Organizations must also prepare for operational disruptions including infrastructure failures, human error, corruption, and misconfiguration. Traditional backup architectures designed for static data centers may not be equipped for today's increasingly distributed and dynamic environments. As resilience requirements evolve, organizations increasingly need to demonstrate that critical data and systems can actually be recovered, not simply that backup policies exist.

What's exposed is less a gap in backup products than the distance between believing you can recover and proving it. Veeam and HPE close that distance together: Veeam Data Platform protecting the HPE infrastructure you already run, HPE StoreOnce and HPE Alletra Storage MP X10000 and B10000 delivering fast local recovery, and Veeam Data Cloud Vault holding an immutable copy outside production's reach. This solutions brief covers HPE environments, how the layers fit together, which layer answers which recovery scenario, and where to start.

DESIGNED TOGETHER

Infrastructure and data protection built to work together across HPE compute, storage, and private cloud.

INDEPENDENT RECOVERY

A recovery layer that stays independent from the production environment, even during an active incident.

CONSISTENT AS YOU MODERNIZE

Consistent protection as you modernize across virtualization platforms and hybrid cloud.

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The Data Resilience Challenge

That distance usually has two causes. The recovery copy sits inside the same trust boundary as production, so whatever reaches production reaches the backup. And nobody has tested a restore at scale recently enough to know how long it takes. Both are fixable, and neither one needs new hardware.

It surfaces as three questions most teams can't answer with evidence:

1

Can we recover fast enough to meet the recovery commitments we've already made to the business?

2

Can we recover at all if the attacker reached the backups along with production?

3

Can we prove it, on demand, before an auditor or an incident asks?

The cost of unproven recovery lands on the business, not on IT.

90%

say they're confident they can recover from a cyber incident within their RTOs

28%

of ransomware victims fully recovered all affected data

44%

recovered less than 75% of their affected data

Source: Veeam Data Trust and Resilience Report 2026 .

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The HPE + Veeam Data Resilience Solution

Three layers, one plan. Production runs on HPE. Protection and fast local recovery sit next to it. The copy that has to survive everything else lives somewhere your production credentials can't reach. HPE and Veeam jointly deliver protection and recovery configurations built around HPE compute, storage, and private cloud, with Veeam Data Platform and Veeam Data Cloud Vault. Together they deliver the following benefits:

Jointly engineered and validated

Veeam integrations are built and tested against HPE compute, storage, and private cloud, so protection follows the infrastructure you already own.

Fast local recovery

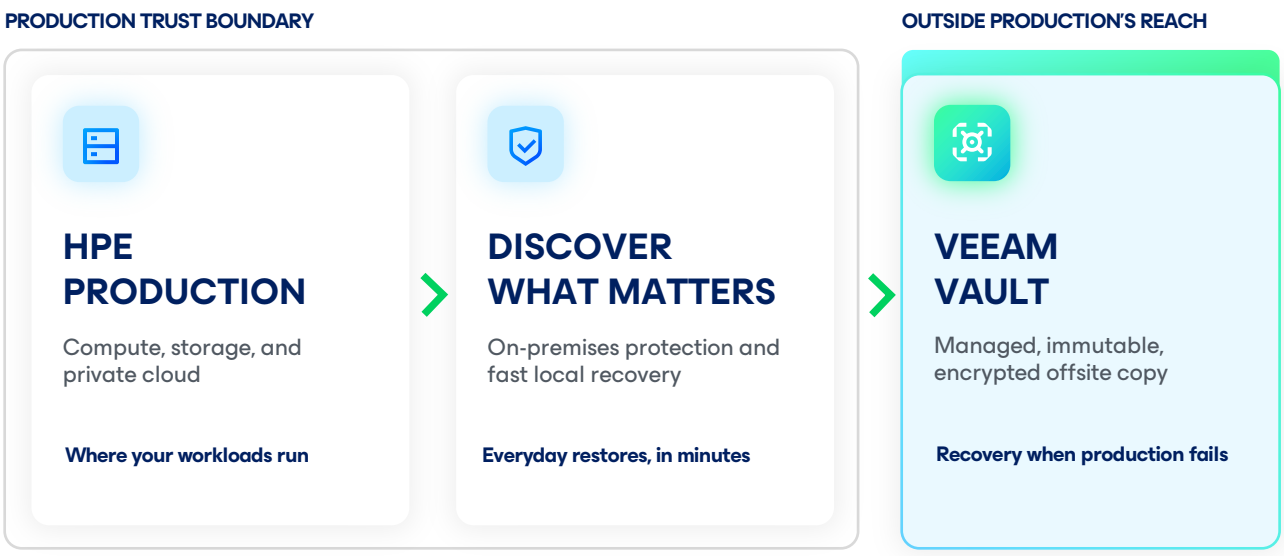
Restore points are created via storage snapshots on HPE Alletra Storage MP B10000, where your production data already lives. Backups land on HPE StoreOnce and HPE Alletra Storage MP X10000 next to production. This architecture supports fast local recovery for everyday restore scenarios.

An immutable copy outside the blast radius

Veeam Data Cloud Vault holds a managed, encrypted, immutable copy beyond production's trust boundary, with no repository for your team to build or secure.

Recovery you can prove

Veeam recovery orchestration and automated validation capabilities can help organizations test recovery and document readiness.



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What's New in Veeam Data Platform for HPE

Veeam Data Platform is built for HPE environments. Here's what that means day to day: fewer moving parts to operate, recovery you can rehearse instead of hope for, and the freedom to change platforms without rebuilding protection.

Simplify operations

- Deploy and operate protection with fewer moving parts
- See every protected workload in one place
- Run backup, recovery, and reporting from one console

Increase recovery confidence

- Recover clean, in a rehearsed and orchestrated sequence
- Catch a failing job before it becomes a failed restore
- Prove recovery readiness before an incident, not during one

Keep your platform options open

- Evaluate new hypervisors without leaving workloads unprotected
- Keep one protection strategy through a phased migration
- Recover without depending on the production platform

Strengthen HPE integration

- Protect HPE Morpheus VM Essentials with expanded support and a simpler workflow
- Point backups at HPE StoreOnce Catalyst with more repository flexibility
- Cover more of your HPE estate with added storage, monitoring, and recovery support

Veeam Data Cloud Vault: A Secure Offsite Copy With No New Storage to Build

THE PROBLEM IT SOLVES

- Backups sit in one site or one operational domain
- No immutable offsite copy exists outside production's blast radius
- Cloud storage cost and management are hard to forecast
- Your team shouldn't have to build and secure yet another repository .

WHAT YOU GAIN

- Fully managed storage for your backup data, with predictable pricing
- Immutability and encryption built in, on by default
- Integration with Veeam Backup & Replication
- Use it as a direct backup target or as a tier inside a scale-out backup repository

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HPE Storage as the Recovery Foundation

HPE StoreOnce

- Purpose-built backup target for high-volume, day-to-day operations
- Shorten backup windows with StoreOnce and Catalyst operational improvements

HPE Alletra Storage MP

- Align primary storage, snapshots, and recovery through supported Veeam integrations
- Back up to HPE Alletra Storage MP X10000 as a supported target

300TB/hr

Backup throughput, HPE StoreOnce 7700

60:1

Effective data reduction with HPE StoreOnce Catalyst

2PB

Usable capacity per Data Protection Accelerator node

Recovery Scenarios and Where They Land

Recovery isn't one motion. Match the scenario to the layer that answers it, and you stop paying a full disaster-recovery penalty for a deleted file.

Scenario	What you need	Where recovery comes from
Deleted file, database, or VM	Recovery in minutes, without a change window	Local backup on HPE StoreOnce
Host, array, or hypervisor failure	Restore at scale without loading production	Backup from storage snapshots on HPE Alletra Storage MP B10000
Ransomware inside production	A copy the attacker never had rights to touch	Immutable, encrypted copy in Veeam Vault
Site or region loss	Rebuild somewhere else, in a known-good sequence	Veeam Vault plus orchestrated recovery
Virtualization or private-cloud migration	Protection that doesn't restart from zero	Veeam Data Platform including HPE Morpheus VM Essentials

Table 1. Recovery scenarios and the layer that answers each one.

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Business Outcomes

Reduce business interruption

- Restore in minutes for everyday failures
- Recover at scale without waiting on production
- Keep a recovery path that survives the production environment

Lower operational complexity

- Retire fragmented, one-off protection processes
- Manage protection across every HPE environment from one place
- Skip building and securing a separate offsite repository

Improve cyber readiness

- Hold immutable, isolated recovery copies
- Validate recovery on a schedule, not on instinct
- Give infrastructure, security, and continuity teams one shared view

Modernize on your terms

- Keep workloads protected through private-cloud and virtualization changes
- Extend the same protection from data center to cloud
- Build a resilience foundation that adapts to whatever you choose next

Where to Start

You don't have to re-architect anything. Three moves get you from confidence to proof.

1

ASSESS

Map the recovery objectives you've committed to against what you can prove today, workload by workload.

2

LAND THE OFFSITE COPY

Add Veeam Vault as a target in your existing scale-out backup repository. No new hardware, no new site, no new team.

3

REHEARSE AND REPORT

Run backup file validation on a schedule, so the answer to "can we recover?" is evidence, not opinion.

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Summary

HPE and Veeam deliver data resilience as one plan, not two purchases. Veeam Data Platform protects HPE compute, storage, and private cloud with fast local recovery on HPE StoreOnce and HPE Alletra Storage MP B10000/X10000, and Veeam Data Cloud Vault holds a managed, immutable copy outside production's trust boundary. Orchestrated recovery testing closes the loop, turning recovery confidence into recovery you can demonstrate. As you modernize, the same strategy carries forward across hypervisors and hybrid cloud, so the commitments you've made to the business stay intact through the change.

Learn more at

veeam.com/solutions/alliance-partner/hpe.html

hpe.com/us/en/alliance/veeam.html

About Veeam Software

Veeam is the Data and AI Trust Company and the market leader in both data resilience and data security posture management, built for the convergence of identity, data, security, and AI risk. Headquartered in Seattle, Veeam protects over 550,000 customers worldwide. Learn more at www.veeam.com or follow Veeam on LinkedIn @Veeam-Software and X @Veeam.

About HPE

Your essential partner for the AI era
We use the power of AI, cloud, and networking to help you move faster, work smarter, and achieve more. With deep expertise and bold ingenuity, we empower organizations to turn data into foresight, elevate performance, and drive real-world impact—at scale. Learn more here.

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