Ninth Dimension
Enabling Information

How Ninth Dimension Built a Single-Console Recovery Platform for an Automotive Pioneer

Client Snapshot

Company
Global Automotive Manufacturer (100% Captive R&D Unit — India)

Company Size
World's Largest Manufacturer of Heavy/Medium-Duty Trucks

Industry
Automotive — Premium Passenger Cars & Heavy/Medium-Duty Trucks

Location
R&D Centres across India, Germany, Japan and the USA

Fragmented infrastructure made enterprise backup impossible

The client's India-based R&D centre, one of the largest globally for Computer Simulation (CAE) and Design (CAD), was being held back by a broken backup strategy.

Collaborating across R&D centres and business units in Germany, Japan, and the USA, their engineers needed a unified, enterprise-grade platform. Instead, they were working around siloed infrastructure, heavy manual scripting, and no common archival or search capability.

Key challenges

No unified backup platform — separate, disparate infrastructure for every workload

Faster backups, restores, and enterprise search were unachievable without investing in multiple point solutions

No common archival platform — data retention was unmanaged at scale

Manual scripting required for every SAP, Oracle, and SQL backup and restore operation

Engineers spending excessive time on scripting, testing, and production deployment

No single console — backup, archival, search, and rebooting all required different tools

The client required more than modern technology; they needed a long-term partner capable of building a unified, intelligent backup ecosystem from the ground up.

Towards a unified, intelligent backup ecosystem

Ninth Dimension re-engineered the client's backup and recovery backbone across all workload types — Windows, Linux, VMware, Lotus Domino, SAP, Oracle, and SQL — creating a unified, scalable platform that brought the entire organisation onto a single track. By validating every backup and restore scenario without manual scripting, introducing global deduplication, and enabling automatic disk-to-tape movement, they helped the client move from fragmented systems to a connected, future-ready platform.

Ninth Dimension's solution bridged previously disconnected tools, strengthened data management, and introduced a single-console implementation for backup, restore, deduplication, archival, search, and rebooting — empowering the IT department to operate with precision, speed, and full visibility.

The implementation journey

Phase 1

Foundation — Server Backup & Virtualisation

- Backed up all servers across the environment
- VSA agent deployed to provide VMDK and file-level backups to virtual guest OS
- Scheduled policies configured: data backed to disk with deduplication enabled
- Automatic disk-to-tape data movement set up for long-term retention

Tech:
VMware VSA, Deduplication Engine, Tape Library

Phase 2

Application Agents — Domino, SAP, Oracle & SQL

- Lotus Domino installed on respective servers; single mail restore validated end-to-end
- Scripting overhead eliminated entirely for all database-level operations
- SAP, Oracle, and SQL online agents installed — full online backups and restores without any manual scripting

Tech:
Lotus Domino Agent, SAP Online Agent, Oracle RMAN, SQL Server Agent

Phase 3

NDMP & NetApp Storage Integration

- NDMP agent for NetApp storage enabled
- Data routed to staging area on High Density SATA disks
- Network-efficient data movement reduced traffic and time consumption by 50%

Tech:
NDMP Protocol, NetApp Storage, High-Density SATA

Phase 4

Single Console — The Unified Enterprise Platform

- Full VMDK-level backup and single file restore directly to host confirmed
- Source-site and global deduplication enabled across all workload types
- Windows and CentOS file system backups with single file restore validated successfully
- Single-console implementation deployed for backup, restore, deduplication, archival, search, and rebooting

Tech:
Lotus Domino Agent, SAP Online Agent, Oracle RMAN, SQL Server Agent

Results

1. Source-site and global deduplication enabled across all workload types
2. Restoration time and email weight reduced by 90% — dramatically faster recovery
3. Engineer time for scripting, testing, and production deployment cut by 80%
4. NDMP integration reduced time consumption and network traffic by 50%
5. Single-console platform unified backup, restore, deduplication, archival, search, and rebooting
6. Storage space consumption reduced by 70%
7. Network traffic cost reduced by 50%
8. All workloads — Windows, CentOS, VMware, Domino, SAP, Oracle, SQL — consolidated on one platform

> Ninth Dimension delivered more than a backup solution.

They gave us a single, intelligent platform that our global R&D teams can rely on. The elimination of manual scripting alone transformed how our IT department operates. We now have full visibility, faster recovery, and a foundation we can grow on."

— IT Department Head, Automotive Pioneer R&D Centre, India

A scalable foundation for the future

The client now operates on a unified backup and recovery foundation, with all critical workloads consolidated under a single console. With deduplication, archival, and NDMP-based network optimisation in place, the organisation is positioned to scale operations across its global R&D network in India, Germany, Japan, and the USA — without adding infrastructure complexity.

Ready to Transform Your IT Infrastructure?

Discover how Ninth Dimension can unify your enterprise backup, archival, and recovery operations on a single intelligent platform.

www.9thdimension.co.in

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