



CASE STUDY



From Complexity to Continuity

How an Automotive Giant Achieved Operational Resilience with Perpetuuiti

About The Client

Our client is a leading global automotive manufacturer, specializing in a diverse portfolio that includes passenger vehicles, commercial trucks, and buses. They are recognized for their strong market presence, both domestically and internationally, and are known for their emphasis on innovation, sustainability, and cost-effective solutions. The client is actively expanding its focus on electric mobility and clean energy technologies, striving to lead in future-oriented transportation solutions. With a strategic approach to acquisitions, the client has enhanced its product offering, including entering the luxury vehicle market. Their dedication to research and development positions them as a forward-thinking brand with a commitment to reducing environmental impact across all product lines.

Their Challenges

The client was seeking a robust, reliable, and intelligent Operational Resilience Automation solution to address the following challenges:

- Difficulty in managing complex **SAP environments**.
- **Disaster Recovery (DR) drills** were executed manually, lacking proper sequencing and coordination.
- No **real-time visibility** into the health of the heterogeneous IT environment.
- Absence of a **unified monitoring console** to view all applications from a single dashboard.
- **Application configuration changes** had to be applied manually on the DR site.
- High **dependency on Subject Matter Experts (SMEs)** for routine tasks.
- Challenges in ensuring **adherence to BCP compliance and generating accurate audit reports**.



Our Solution

Perpetuuiti deployed **Continuity Patrol™** to address the client's Operational Resilience Automation challenges through the following initiatives:

- Implemented **storage-based replication**, ensuring zero impact on production server performance.
- Leveraged **proven enterprise-grade APIs** for seamless recovery using Continuity Patrol™.
- Enabled **real-time visibility** into the availability of multiple applications through a **Unified Monitoring Console**.
- **Integrated advanced and proven technologies** to achieve complete process automation.
- Delivered **end-to-end visibility** of process progress at every stage within the production environment.
- Introduced **flexible reporting modules** to meet diverse customer requirements.



Uniqueness of the Deployed Solution

- Implemented in alignment with **ISO 22301 standards** for Business Continuity Management.
- Delivered an **automated Business Service Availability** solution leveraging both **native and storage-based replication** mechanisms.
- Provided a **centralized management dashboard** to monitor recovery health and performance.
- Enabled full automation of **DNS, NATing, and firewall policies**, reducing manual intervention.
- Adopted an **agentless architecture**, ensuring zero overhead on production systems and enabling easy deployment.
- Achieved **end-to-end integration** across all layers — Network, Storage, OS, Database, and DR health monitoring — through dedicated dashboards.

Results and Benefits to Business

- Single-click DR drill execution with no dependency on SMEs.
- Automated IT Disaster Recovery implementation for 35 critical applications, covering 133 App/Web VMs/Servers and 38 databases, including multiple SAP-based applications.
- Real-time monitoring and management of diverse replication technologies such as Oracle DataGuard, MS SQL Native Log Shipping, MaxDB, and IBM storage-based replication.
- Seamless integration with virtualization environments including VMware, OVM, and PowerVM.
- Automation of DR drill runbooks for complex SAP environments, ensuring consistency and accuracy.
- Reduced Total Cost of Ownership (TCO) and maximized ROI through process automation and cost optimization.
- Significantly reduced execution time for all DR-related activities.
- Enabled timely release of application systems to users post-DR drill completion.
- Achieved drastic reduction in Recovery Time Objectives (RTOs) — as low as 30 minutes for multiple applications with complex dependencies — using Perpetuuiti's patented parallel recovery mechanism that runs concurrent workflows based on application dependencies.
- Minimized SME dependency, improving operational efficiency.
- Ensured business service continuity and availability even during disaster scenarios.
- Reduced potential revenue loss by minimizing data loss and shrinking the recovery window.
- Faster application availability through end-to-end automated processes.
- Enhanced transparency into DR and production environment health via comprehensive reporting and dashboards.



READY FOR YOUR OWN SUCCESS STORY?

Get in touch with our resiliency experts today and learn how you can fast-track your organizational resiliency initiatives.

sales@ptechnosoft.com

+91 - 20 - 6687 8300

About Perpetuuiti

Perpetuuiti empowers people and businesses alike. We deliver the world's most-comprehensive and urbane enterprise automation platforms making work more human. Our platforms deliver leading-edge automation solutions for modernizing resiliency management, and turbocharging the performance of your applications, IT and business operations at speed and scale to drive exponential efficiencies.

For more information, visit www.ptechnosoft.com