



Accelerate SAP Application Development

Secure, Run, Operate
Anywhere Anytime

Don't skip
a beat in
delivering
innovation to
the customers
on your journey
to SAP HANA.





There is a sharp increase in the number of organisations accelerating the development cycle of their packaged applications, like SAP, to deliver innovation to their customers.

SAP application teams, including BASIS, are now moving towards a more agile methodology to accelerate the software development life cycle while ensuring that they're complying with regulations, such as GDPR, for sharing data with development and quality assurance teams. These teams are also being tasked to adopt SAP HANA for underlying data sooner due to the upcoming SAP 2025 deadline of not supporting non-SAP underlying data sources. This industry-wide mandate is further putting pressure on SAP users to plan ahead and start the migration now.

Application acceleration within the organisation's regulatory framework and migration are not mutually exclusive and can go hand-in-hand.

With Delphix, enterprises can still do the following:

- » **Reduce HANA Migration Timelines.** Easily stand up space-efficient migration environments for data conversion, validation, and cutover rehearsal.
- » **Accelerate Application Delivery.** Deliver flexible HANA as well as major RDBMS environments with the ability to instantly rewind data to a prior state, compress dev/test cycles and avoid lengthy refreshes. In order to streamline integration testing, Delphix can provision data pods in which virtual copies from multiple, heterogeneous environments are synchronised to the exact same point in time.
- » **Decrease Infrastructure Costs.** Boost environment utilisation and dramatically reduce storage costs through advanced virtualisation. Delphix eliminates costs typically associated with making additional database copies for non-production environments. Virtual copies have the full production data yet consume a fraction of the persistent storage space. For example, 20 virtual copies of HANA that can fit into the space of a single physical copy can be stood up for validation for cutover rehearsal.



In this book, you will learn how some of the world's largest enterprises across industries have leveraged the Delphix Data Platform to accelerate their application development while remaining compliant with the organisation's policies and regulations.

Delphix Boosts the Global CPG Company's Digital Brand Strategy

Helps modernise IT operations, reduce delays, and improve application quality

Industry

Consumer packaged goods

Products & Services

Cleaning and household products



Challenge

For 100 years, this global CPG company has been a pioneering enterprise, fostering a culture of innovation across its global workforce. When new digital technologies began to change consumer behaviour in the mid-2000s, they began transforming their business model. In early 2010 the new CIO's immediate priority was to modernise the company's IT operations and adopt technologies that would drive growth.

"In 2008, to reach 80% of our customers, we only needed to work with five retailers," said the CIO. "In 2010, we needed 48 retailers. This is how fast shopping and buying behaviours were changing." The key to success was owning the relationship with the customer, which meant they needed to tap into new digital channels and forge stronger partnerships between the business and IT.

- » Provisioning an SAP system took 45 days, impacting their ability to quickly respond to changes for its many brands across the globe. Developers were often constrained by the availability of environments, causing project delays.
- » Testers frequently used inconsistent test data, impacting QA teams' ability to accurately test transactions across interconnected systems.
- » They chose to switch service providers, requiring the IT team to migrate its entire application estate to a new location. Estimated downtime was seven days—an unacceptably long outage for core systems.
- » They faced significant recurring storage costs for non-production databases.

Solution

This global CPG company partnered with Delphix to virtualise the company's data infrastructure. Less than six weeks after deploying the Delphix Data Platform, they were successfully provisioning space-efficient virtual database copies for its development and testing teams. Delphix helped accelerate time to value for them, enabling IT to better position the company's brands using both traditional retail and digital channels across the globe.

By accelerating the provisioning of high-quality data to SAP development systems, they can now react quicker to customer demands, make swift operational adjustments, and make strategy decisions in response to changing consumer behaviour.

- » Delphix gave their teams the ability to create bookmarks in SAP environments and roll back to a previous state in minutes. Testing against a consistent baseline of pristine data helped QA teams eliminate data-related defects and improve overall application quality.
- » When they need to refresh its SAP systems, teams can now provision and refresh data in a matter of hours, not weeks, improving IT agility.
- » They also used Delphix to solve their data migration challenges, moving large and very complex datasets from one datacenter to another in hours instead of days, minimising risk and avoiding costly downtime.
- » Improving the utilisation of environment resources enabled developers to start projects sooner, boosting productivity and enabling IT to respond faster to business demands.

HP's Great Divide: Managing the Largest Corporate Separation in History

Delphix facilitates the split of HP's core business applications

**Key Applications**

SAP

Use Cases

Application development, data migration, data protection, analytics & reporting

Headquarters

Palo Alto, CA, USA

Revenue

\$110B

Challenge

HP was confronted with the massive challenge of splitting itself (a Fortune 10 global business) into two separate entities: HP Enterprise and HP Inc. The split required that all applications that run the business be physically separated, cleansed, and customised to satisfy the requirements of each new company. This included HP's global SAP implementation—consisting of supply chain, finance and accounting, and human resources systems. The conventional approach would have required expensive, temporary staging environments—that would have taken days to provision—for pre-split activities. For instance, it took up to ten days to stand up a copy of an SAP finance application database, making it difficult to test code and system configuration changes. HP could not afford instances of downtime due to errors during split activities, given its limited time horizon for the separation process.

Solution

Delphix enabled HP to achieve the split in just 9 months. During the separation, HP:

- » Slashed the time to build an SAP environment to under an hour, accelerating the testing of new customisations for HPE and HPI.
- » Used the rollback capability to periodically reset data back to an initial baseline, enabling the company to run several test iterations during each cleansing period. By quickly rolling back to a bookmarked state, HP was able to cleanse data more quickly and better prepare for Day-1 separation activities.
- » Maintained reference copies of production that enabled IT to quickly recover from errors or data corruption during pre-split activities, de-risking the separation timeline. Business users also used these copies to run near real-time reports and check inventory status, ensuring the continuity of core business operations during the split.

Today, petabytes of data remain virtualised in HP's data center. Project teams continue to realise increased agility and flexibility during application development and ongoing maintenance.

Delphix Drives US Army's Logistics Modernisation Program

Accelerates ERP migration and
data center consolidation initiative



Industry
Government /
Public Sector

Headquarters
Fort Belvoir, VA, USA

Challenge

U.S. Army Program Executive Office Enterprise Information Systems (PEO EIS) is a cross-functional agency that manages the information systems supporting Army and Department of Defense (DOD) communications, logistics, medical, finance, personnel, training, and procurement. Under the leadership of PEO EIS, the U.S. Army Logistics Modernisation Program (LMP) maintains one of the largest supply chain, maintenance, and financial management systems in the world. LMP supports system operations in the execution of the Army's global logistics mission.

In recent years, the U.S. federal government has launched several initiatives with the goal of optimising the efficiency of its agencies' IT landscape. Launched in 2010, the Federal Data Center Consolidation Initiative (FDDCI) focuses on eliminating redundancy in federal data center infrastructure and reducing unnecessary spending.

In July 2013, under the guidelines of the FDDCI, PEO EIS launched an infrastructure modernisation project that required migration of LMP assets—including the Army's five major ERP systems—from local data centers to a modern, secure, standardised, and centralised facility run by the Defense Information Systems Agency (DISA).

The DoD mandate required that the project be completed by 2018, but even with five years to plan and execute the transition, PEO EIS teams faced significant challenges that threatened to undermine the success of the program. The project scope required migrating a number of databases, while continuing to support ongoing operations of the LMP. Conventional data migration methods and tools quickly proved insufficient when dealing with large volumes of data in a mission-critical environment:

Standard migration plans called for an expensive and time-consuming physical move, with complex and often error-prone requirements for backup, migration, loading, and testing of new systems.

Data grew stale in test environments, jeopardising QA efforts during transition and increasing the probability of issues slipping into production post-migration.

The data center move required extensive re-platforming on Oracle SuperCluster systems, driving new requirements for additional proprietary and costly storage infrastructure.

Solution

Army chose Delphix to accelerate the migration to DISA and support the agency's mission to enable better IT service delivery under the federal mandate. Deployment of Delphix commenced in mid-July, and launched in early-August—just three weeks later. Delphix enabled a smooth transition to the new platform, while lowering ongoing costs, improving operational performance, and maximising the efficiency of IT assets going forward.

Delphix gave PEO EIS project teams the ability to provision space-efficient ERP application environments for support, testing, training, and archiving purposes following the migration. Greater environment availability coupled with the ability to quickly refresh and reset data translated into a significant increase in productivity, more effective resolution of production issues, and overall reduced testing timelines for all related migration and re-platforming activities.

Delphix will continue to be used for follow-on directives, such as the Data Center Optimisation Initiative launched in 2016, which focuses on implementing new platforms and technologies—including cloud, shared services, and virtualisation—to save costs, increase IT efficiency, and accelerate digital service delivery.

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D E L P H I X

www.delphix.com

Delphix is the industry leader in programmable data infrastructure. Delphix automates the biggest constraint in digital transformation programs—the data. With our multi-cloud data platform, enterprises modernize legacy apps 20% faster, migrate to the cloud 30% faster, and release software 50% faster, while maintaining compliance with GDPR, CCPA, HIPAA, and other data privacy regulations.

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