

ITOCHU Techno-Solutions, Inc.

Use of Delphix and CUVICmc2 to resolve time-consuming test environment preparation aiming to reduce operation man-hours and improve development productivity



We asked the Deputy General Manager/Executive Engineer, Information Systems Department, Information Systems Department, Service Design Group, ITOCHU Techno-Solutions Co., Ltd. about the background regarding the introduction and the anticipated efforts.

Issues and Background

Please tell us why you needed to introduce Delphix.

The restructuring of the core system was started in 2015 with the aim of making more appropriate decision-making by top management, and improving the efficiency and appropriateness of sales and SE operations. The S4/HANA, which achieved high-speed processing with an in-memory database, was used for rebuilding the core system. SAP ERP and SAP BW/BO (Management Accounting/Free Analysis) were able to build a stable and convenient application. As a result, each division was able to access management information reports on its own and make significant improvements such as grasping the business situation in a timely manner. Even after the start of use, we will continue to focus on function improvement requests from users. We identified issues related to system operation as we improved our applications to improve the efficiency of the front-office department.



Location	Established	Capital
Tokyo, Japan	July 1979	21,800M Yen

Business Activities

Sales and maintenance of computer and network systems, software contract development, information processing services, scientific and engineering information services, support, etc.

Profile

ITOCHU Techno-Solutions Corporation (CTC) is a comprehensive IT services company that partners with its customers. From consulting to design, development and construction, operational and maintenance support, CTC combines sophisticated IT solutions and cloud services to find solutions to customer issues. Providing optimum services in all fields including communication, broadcasting, manufacturing, finance, logistics and retail, public services, life sciences, science and engineering.

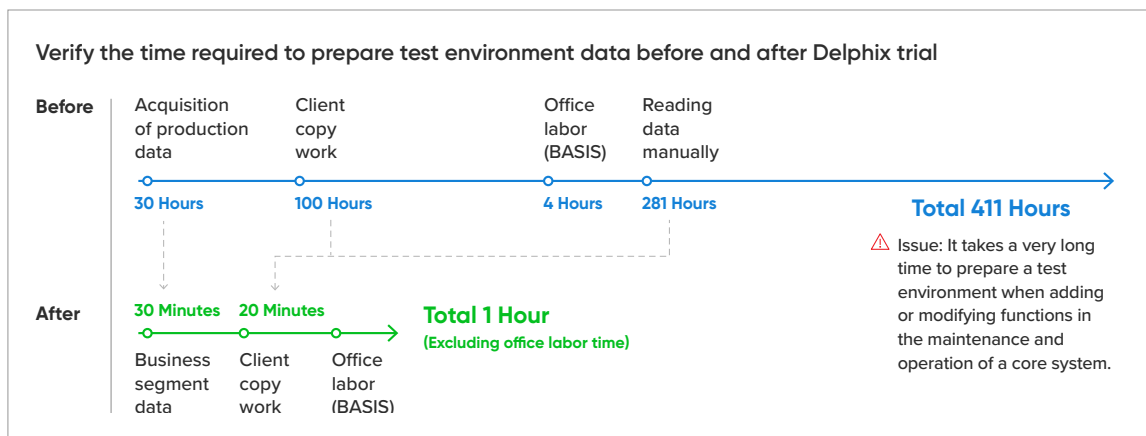
Please tell us about your issues.

Testing is essential for developing these applications, such as compliance with laws and regulations, application improvement (addition of functions) for the purpose of further improving work efficiency, and improvement of application processing performance for stable system operation. That testing requires the latest production data. However, with SAP/HANA, production data increased in capacity every day, and it took a lot of time to prepare a test environment using the production data. By the time the development team had access to the test environment, SAP ERP and SAP BW together required a total of 17 days of lead time, highlighting the following challenges:

- » Impact on project progress – As test environment preparation is very time-consuming, task management within a project becomes complicated, and this had a major impact on the execution and maintenance of the project overall.
- » Increase in man-hours – There are times when the test environment is unavailable, and each team performs development and test work using test data prepared independently. Many man-hours were required in order to maintain sufficient quality. It was also difficult to adjust the schedule for infrastructure personnel and BASIS personnel as the preparation period for the test environment became longer.

Please tell us about the history of Delphix.

Delphix has existed since around 2016. At that time, HANA was not supported. HANA is now supported, and I first tried Delphix in the form of PoC.



Evaluation and Anticipated Impact of Delphix

How would you assess Delphix?

“Well, it’s certainly fast.” The time required to prepare the test environment was as expected. As a result of verification, we confirmed that data could be copied in a short time. Specifically, the lead time on the 17th has been significantly reduced to one hour. Based on this calculation, we estimate that development man-hours can be reduced by about 30% compared to the past.

While it was not possible to prepare a test environment with the same data section as in the production environment in the BW environment, use of the Delphix software allowed for the data segment to be matched, resulting in improved test quality. In the future, we expected that testing conducted at the time of major overhauls, such as for system compliance, will be effective.



Delphix is the industry leader for DevOps test data management.

Businesses need to transform application delivery but struggle to balance speed with data security and compliance. Our DevOps Data Platform automates data security, while rapidly deploying test data to accelerate application releases. With Delphix, customers modernize applications, adopt multicloud, achieve CI/CD, and recover from downtime events such as ransomware up to 2x faster.

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