

BECU Delivers Faster, More Secure Digital Enhancements

Streamlines DataOps to improve security and customer satisfaction

BACKGROUND

Boeing Employees' Credit Union (BECU) is the largest credit union in Washington and the fourth largest in the United States, with over \$17 billion in assets and over 1 million members. BECU is a digitally focused institution, with over 40 cashless branches and only [two][may be more] financial centers that offer a traditional teller-experience.

CHALLENGE

BECU constantly strives to make banking easier, more convenient, and secure for its members. For the BECU IT team, that means quickly rolling out enhancements to its online banking systems without interrupting services or compromising security. A key challenge faced by BECU was building an agile testing infrastructure while upholding the highest data privacy and security standards. BECU needed a secure DataOps solution that met these specific requirements:

- **Sensitive data discovery.** BECU needed a solution that would identify sensitive data values across all of its environments and automate the process of consistently masking those values.
- **Masking consistency and repeatability.** Applications needed to be masked the same way every time and function the same using masked and unmasked data. The solution also needed to maintain referential integrity across masked flat files and databases.
- **Out-of-the-box masking templates.** The BECU team needed a simple solution with preset rules that the company could start using immediately.
- **Breadth of supported databases and flat files.** BECU needed a solution that could mask Oracle, SQL Server, and more than 100 flat files across the nine key applications in scope, including their CRM, loan originations, and member portal systems.
- **Reporting and auditing of masked data.** The credit union needed a way to track masked data across sources over time to verify that masked environments were not being polluted with unmasked confidential data.



INDUSTRY

Financial services

PRODUCTS & SERVICES

Savings, checking, consumer loans, mortgages, credit cards, and online banking

HEADQUARTERS

Tukwila, Washington, USA

ASSETS

\$17B (2017)

EMPLOYEES

1,900

DELPHIX USE CASE(S)

Application & data acceleration; privacy & security

SOLUTION

After evaluating three separate vendors, BECU selected the Delphix Dynamic Data Platform for masking data in its new testing infrastructure. The following key capabilities were among the strongest differentiators that set Delphix apart from the competition:

- By scanning metadata to identify and classify sensitive data, Delphix consistently masks data across relational database platforms and flat files, even as data changes over time. Delphix also maintains the referential integrity of masked data both within and across databases and files.
- Delphix addresses the first crucial step in securing sensitive data at risk: discovering where the risk lies by using a built-in data profiling tool.
- Delphix provides pre-built masking algorithms and frameworks that require no programming knowledge or administrative involvement to create new custom masking algorithms.
- Delphix is platform-agnostic, offering a wide range of support for heterogeneous databases—such as Oracle, SQL server, and DB2—as well as file systems.
- BECU uses Delphix to proactively monitor its data footprint, enabling early detection of compliance risks through reports and alerts.

RESULTS

Delphix enabled BECU to exceed its goal for data masking, helping the firm bolster already-rigorous standards for protecting confidential information:

- BECU masked 662 tables, 3,507 columns, and 680 million rows of data in 15 hours, far exceeding the initial requirement that masking not take more than 24 hours.

ABOUT DELPHIX

Delphix's mission is to free companies from data friction and accelerate innovation. Fortune 100 companies use the Delphix Dynamic Data Platform to connect, virtualize, secure and manage data in the cloud and in on-premise environments. For more information visit www.delphix.com.

“Not only does Delphix allow us to reduce our risk footprint by masking sensitive data, but we can also give developers realistic, production-like environments, which ensures we’re not introducing defects because of bad data.”

KYLE WELSH

Chief Information Security Officer

- The company completed the end-to-end implementation process in 6 weeks, meeting compliance requirements ahead of schedule. The team estimated that competitors' tools would have taken an estimated 18-24 weeks to install and start masking data.
- Delphix experts worked side-by-side with BECU team members to establish the foundation of a masking Center of Excellence, enabling BECU to continue its masking practices with minimal support.

BECU also leverages the virtualization capabilities of the Delphix Dynamic Data Platform to reduce the overall time and effort to distribute masked data, which makes it possible for BECU to deploy products up to twice as fast.

KEY BENEFITS



Implemented masking
in fewer than
6 weeks



Met
internal compliance
requirements **ahead**
of schedule



Integrated
data virtualization
to **speed masked**
data distribution



Established
a masking **Center**
of Excellence