

Slash SAP Project Cost and Data Risk

Nick Mathison, Product Manager, Delphix

SAPinsider
Las Vegas

2023

SAPinsider

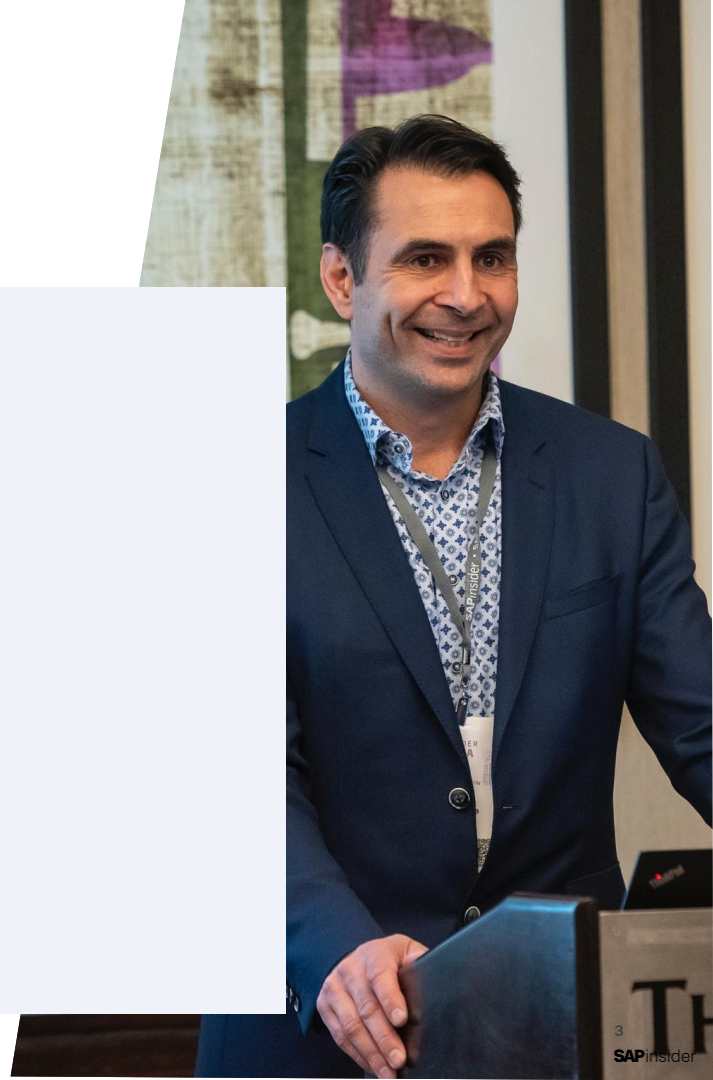
In This Session

70,000 companies are running their business on legacy SAP. However, the looming S/4HANA migration deadline is approaching and they are struggling to proceed. Risky and costly projects (led by GSIs) are abandoned due to challenges. Infrastructure costs of a heavy in-memory storage limit the possibility of speeding rollout.

By tackling Continuous Compliance and Continuous Data Delivery, we can solve both of these problems and accelerate SAP projects.

What We'll Cover

- Data: The Last DevOps Frontier
- Secure & Maintain
- Reduce & Save Money
- Wrap-Up



Meet the speaker



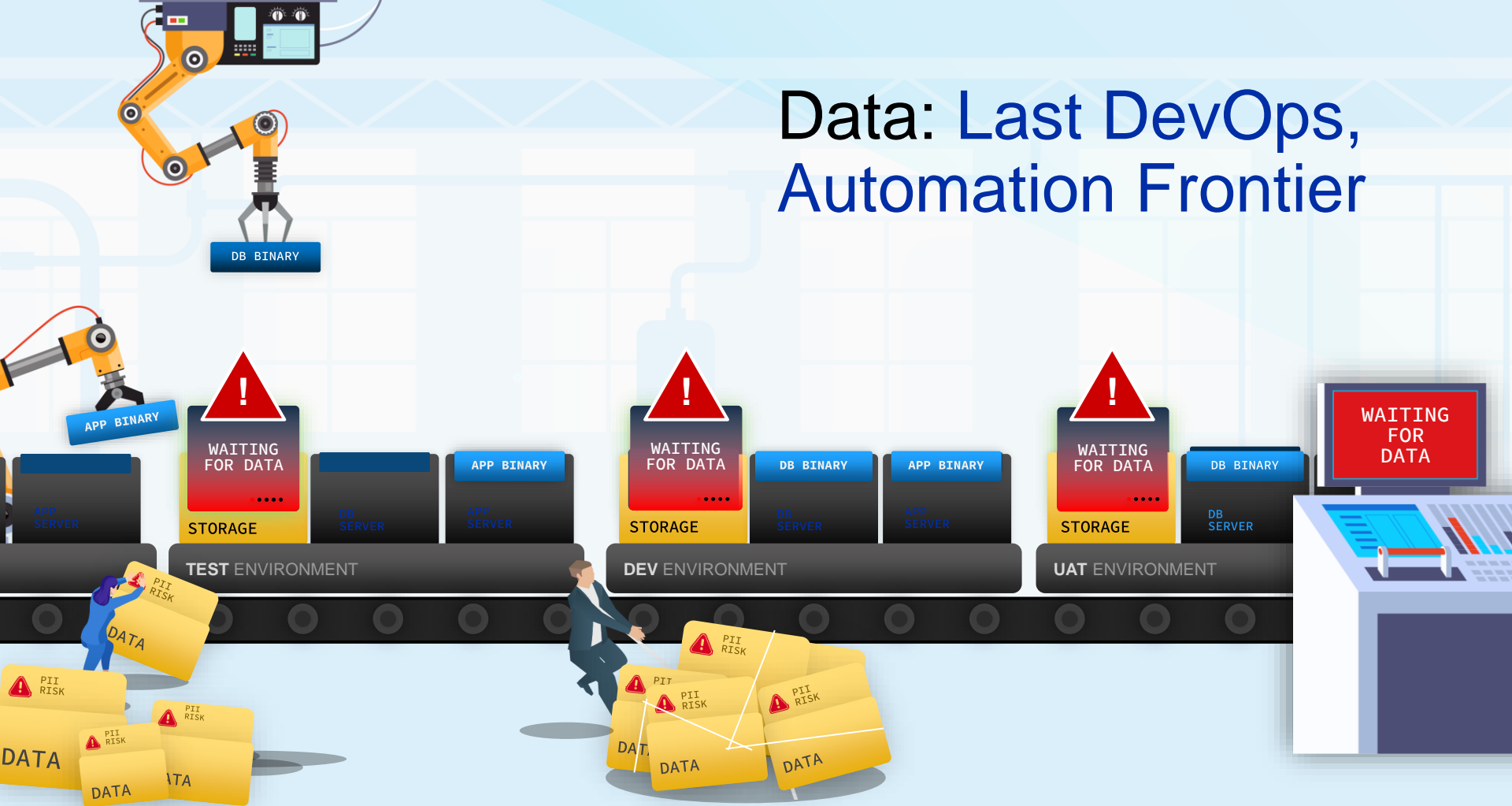
Nick Mathison leads the Delphix ecosystem team and works closely with many stakeholders to deliver seamless solutions.

Over the course of his career, Nick has been responsible for leading a variety of Secure DevOps initiatives and products to improve application team performance through the guidance of DORA and value stream management practices.

Nick resides in the Cleveland, Ohio.

Data: The Last DevOps Frontier

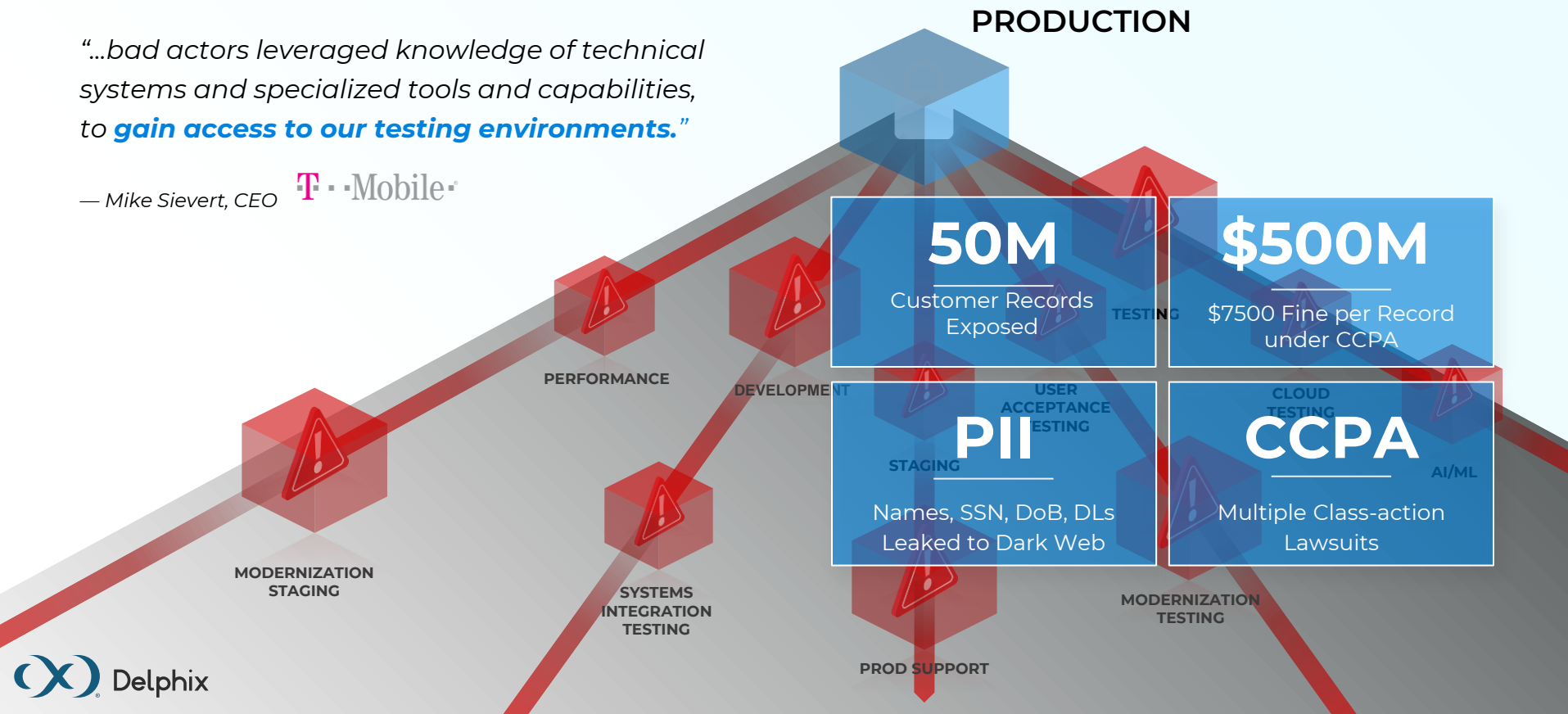
Data: Last DevOps, Automation Frontier



Don't Let Your Test Data Become Front Page News

*"...bad actors leveraged knowledge of technical systems and specialized tools and capabilities, to **gain access to our testing environments.**"*

— Mike Sievert, CEO 



Secure & Maintain

Automated Privacy Compliance for SAP Sandboxes



SAP Sandbox

F_Name	SSN	Industry	DOB
Wilfred	222-41-2314	Telecom	02.31.76
Jane	666-23-4141	Insurance	01.23.77
Yen	777-42-4252	Healthcare	08.12.98
Jane	133-23-5234	Insurance	01.23.77
Jack	123-23-3456	Hospitality	04.23.83

Pre-identified sensitive data



Masked Sandbox

F_Name	SSN	Industry	DOB
****	****	Telecom	****
****	****	Insurance	****
****	****	Healthcare	****
****	****	Insurance	****
****	****	Hospitality	****

Masked sensitive data

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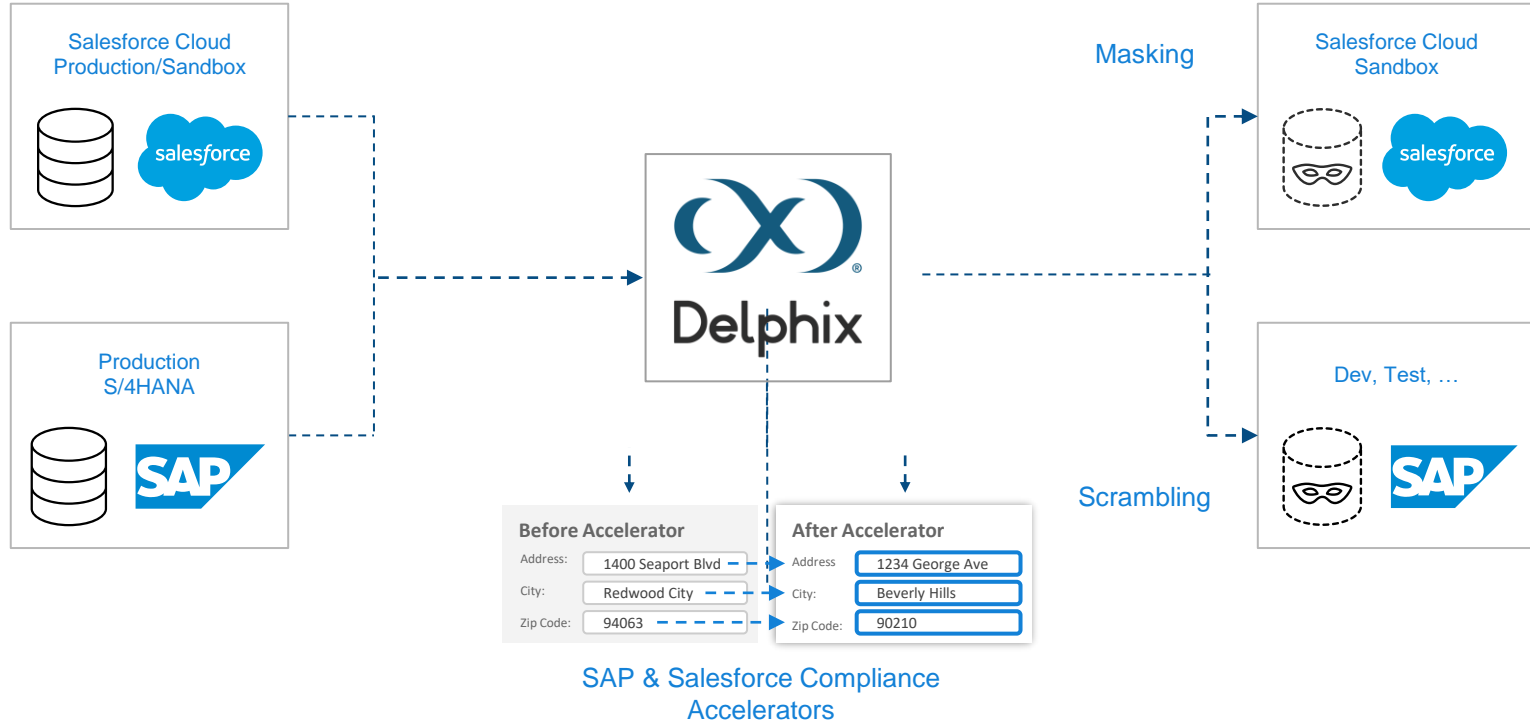


De-masked Sandbox

F_Name	SSN	Industry	DOB
Wilfred	222-41-2314	Telecom	02.31.76
Jane	666-23-4141	Insurance	01.23.77
Yen	777-42-4252	Healthcare	08.12.98
Jane	133-23-5234	Insurance	01.23.77
Jack	123-23-3456	Hospitality	04.23.83

Visible below the surface

Data Compliance, Security Across Data Sets



Canadian Energy Co. De-risks Business Ops on SAP Fast



"In a highly regulated environment, we need to protect sensitive customer data while enhancing our business apps. Within 20 days, Delphix [scrambled] all that sensitive data, allowing us to meet business demands."

- Mathieu Guesdon, Chef de Service

Slashes Delivery of Privacy Compliant Test Data From 180 to 20 Days

- Automatically finds & scrambles sensitive data across 10 SAP and non-SAP applications
- Automatically finds and scrambles sensitive Salesforce, Oracle, and other databases
- Maintains referential integrity across all non-prod environments
- Streamlined dev/test reduces time to market by 50%.

Before Delphix

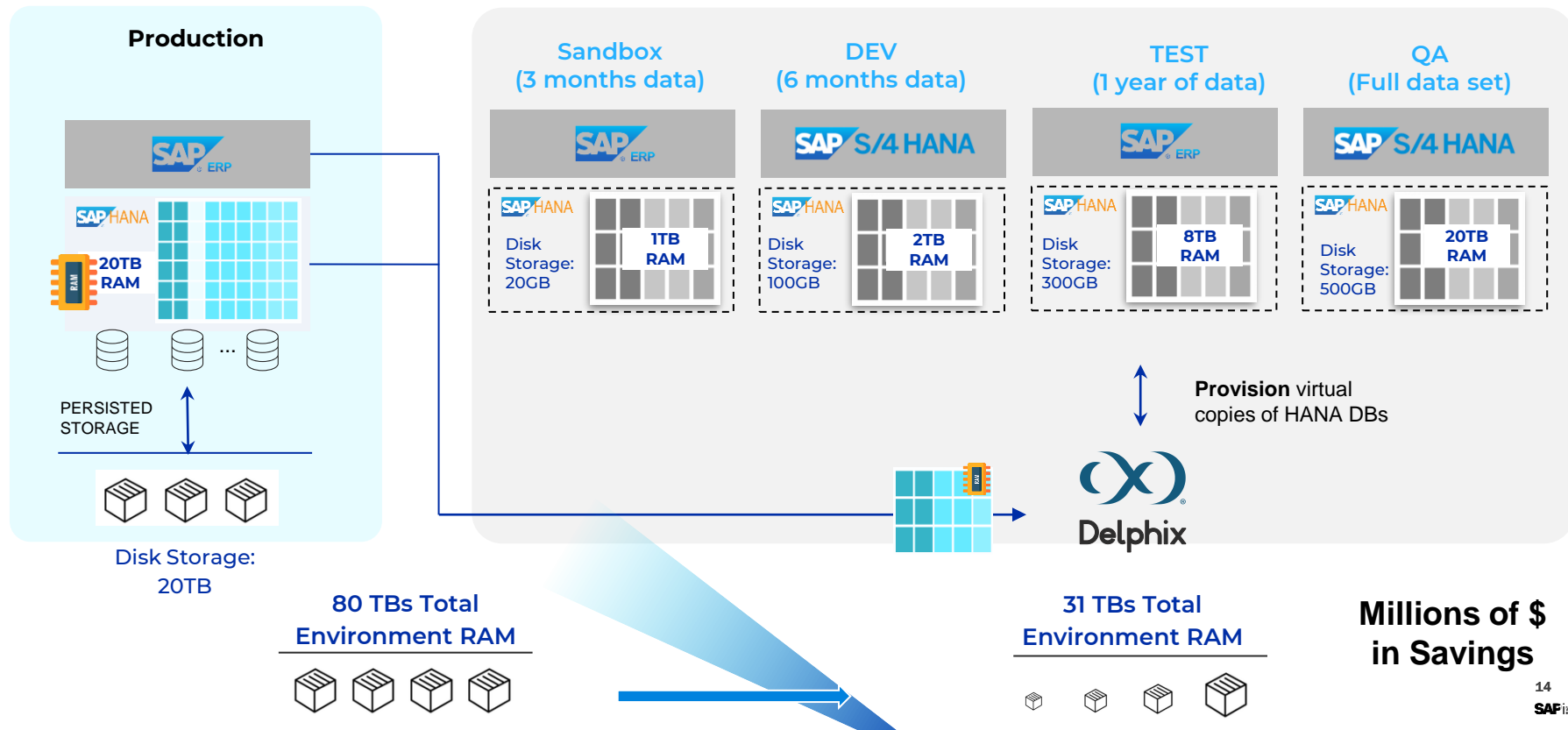


With Delphix



Reduce & Save Money

Minimize Infrastructure



Global Packaged Food Brand: Cost Savings Example

Goal: Subset 75% of
data footprint

Year	2023	2024	2025	
Total Storage (TB)	50	60	72	
% of ECC over time	60%	40%	20%	
Total ECC (Prod)	30	24	14.4	
Total HANA (Prod)	20	36	57.6	
Total ECC (Non-Prod)	120	96	57.6	
Total HANA (Non-Prod)	80	144	230.4	
Total ECC Disk Savings (Non-Prod) in TB	90	72	43.2	
Total HANA Disk Savings (Non-Prod) in TB	60	108	172.8	
Total HANA In-memory Savings (Non-prod) - Subsetting in TB	32	57.6	92.16	
				Total ROI over 3 years
Total ECC Disk Savings (Non-Prod) in \$	\$132,710.40	\$106,168.32	\$63,700.99	\$302,579.71
Total HANA Disk Savings (Non-Prod) in \$	\$88,473.60	\$159,252.48	\$254,803.97	\$502,530.05
Total HANA In-memory Savings (Non-prod) in \$ - Subsetting in TB	\$1,425,024	\$2,565,043	\$4,104,069	\$8,094,136.32
Total Annual savings in infrastructure	\$1,646,208.00	\$2,830,464.00	\$4,422,574.08	\$8,899,246.08

Wrap-Up

Business case challenges for existing customers

A significant number of established SAP ERP customers are still waiting to decide whether to migrate to SAP S/4HANA. But for those that want to keep their existing data and general business processes intact, the business case could be challenging.

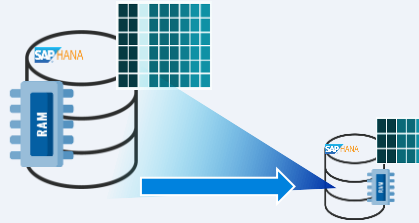
Excerpt from 2022 Gartner MQ for Cloud ERP

Challenges Applied to S/4HANA Migration



Scramble

Scrambling datasets **eliminates the risk** of “shadow databases” and adheres to government policies.



Shrink

Subset production test datasets to **significantly reduce** infrastructure costs by more than 50%.



Streamline

Combined together, migrations are risk free and can help **meet the S/4HANA 2027 deadline**.

Where to Find More Information

- Find us at Booth #955
- Full Solution:
<https://delphix.com/solutions/sap-erp>
- Solution Demo Video:
<https://www.delphix.com/video/data-compliance-and-security-across-datasets>
- Proximus Customer Story Video:
<https://www.delphix.com/webinar/sap>
- Energir Customer Story Blog:
<https://www.delphix.com/blog/energys-digital-future-means-going-all-in-cloud>



 Delphix

Slash SAP Project Cost and Data Risk

Accelerate Project Delivery,
Enforce Privacy Compliance

 Safe: Scramble All Sensitive Data	 Fast: Automate API-Driven Data Delivery	 Economical: Reduce Infrastructure Costs by 80%
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Learn more at <https://www.delphix.com/solutions/sap-erp>

Thank you! Any Questions?

Nick Mathison

linkedin.com/in/nicholas-mathison/



Delphix

Please remember to
complete your session
evaluation.

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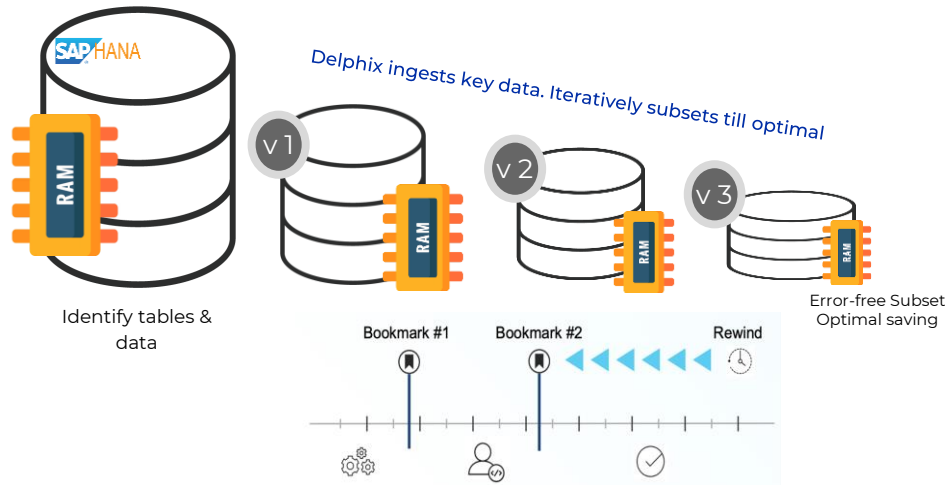
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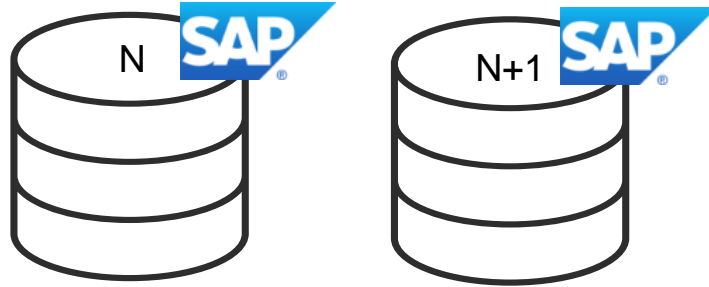
SAPinsider
comprises the
largest and fastest
growing SAP
membership group
worldwide, with
more than 600,000
members across
205 countries.

Radically Reduce SAP Infrastructure Cost and Footprint



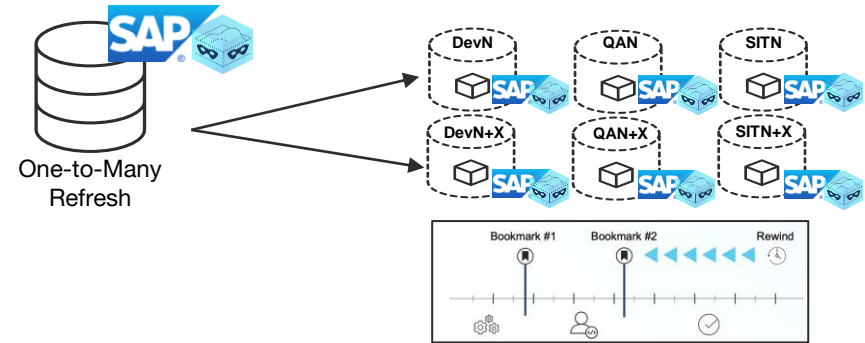
- Identifies largest tables with built-in HANA reporting
- Ingests key data, subset for baseline, iterate till optimal
- Perform **once**, clone to **many** target systems
- Spins off smaller Virtual DBs to non-prod targets
- Preserves master data

Make SAP Data Accessible to all



Few costly & enormous instances

- Week of copy and refresh
- High infra. Costs for physical copies
- Limited shared envs delay testing & validation

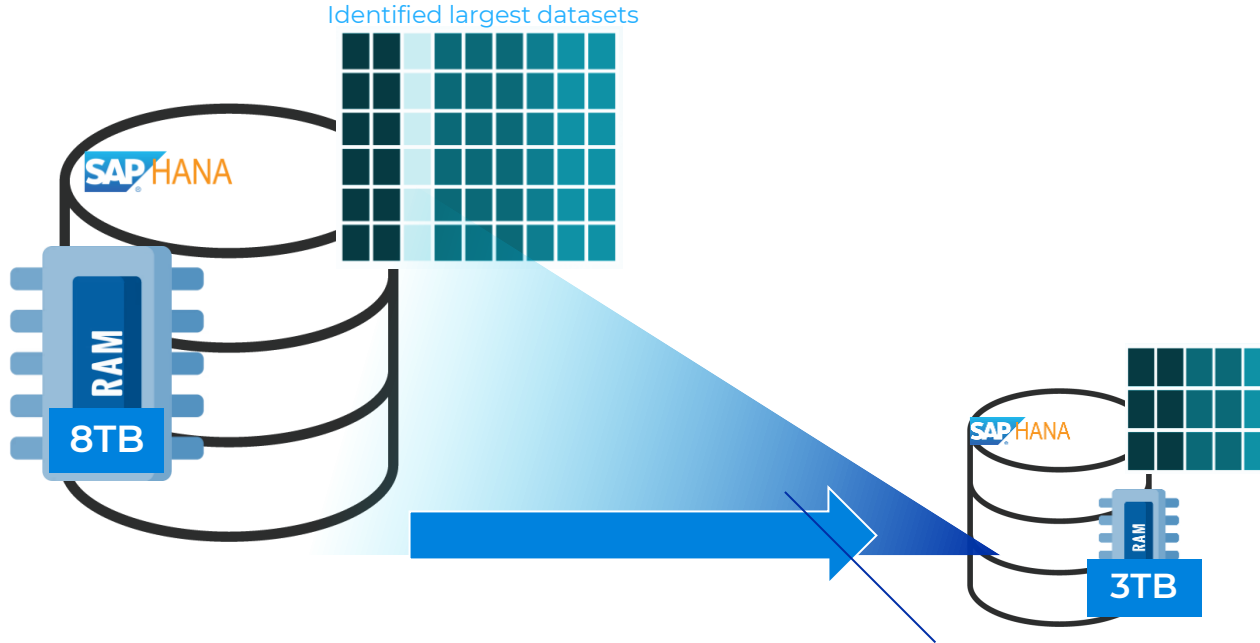


Many cheap & nimble instances

- Parallel Dev Trains, 40% productivity gains
- Virtual datasets in 20x less space
- Extensive sandboxing, multiple use cases

Leading Global Packaged Foods Brand

Slashes SAP HANA Storage Costs 70% with Delphix



Business Outcomes

- 70% infrastructure savings of \$\$M on RAM
- Increased project throughput
- Increase efficiency agility gains
- Innovate faster: improve products/services/outcomes