DELPHIX

Fast and Secure

Bringing Data to the Pipeline

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Patterns of Disruption

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52% of the Fortune 500 firms since 2000 are gone

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Disruption

Digital

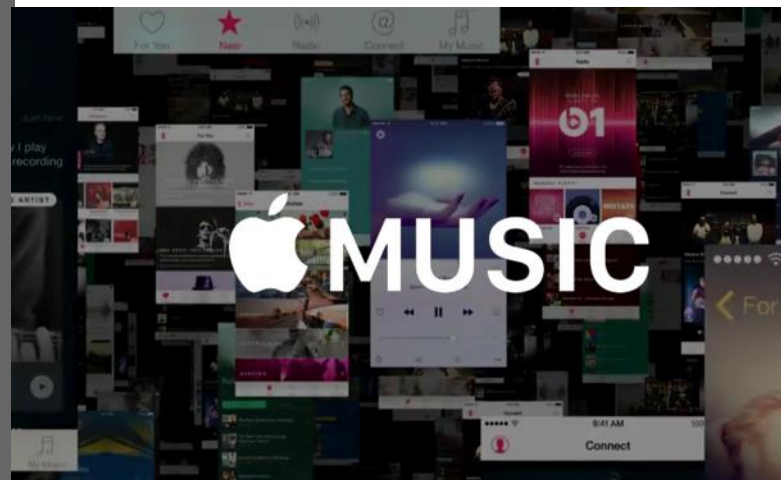
Apps

Devices

Services

Business Models

Experiences



How to Go Fast?

Do things differently – different instrumentation

BLOODHOUND
LAND SPEED RECORD

www.bloodhoundlsr.com

1969 Bruce McLaren M7C

1974 Emerson Fittipaldi M23

1988 Ayrton Senna MP4/4

1999 Mika Hakkinen MP4-14

2008 Lewis Hamilton MP4-23

2014 Jenson Button MP4-29

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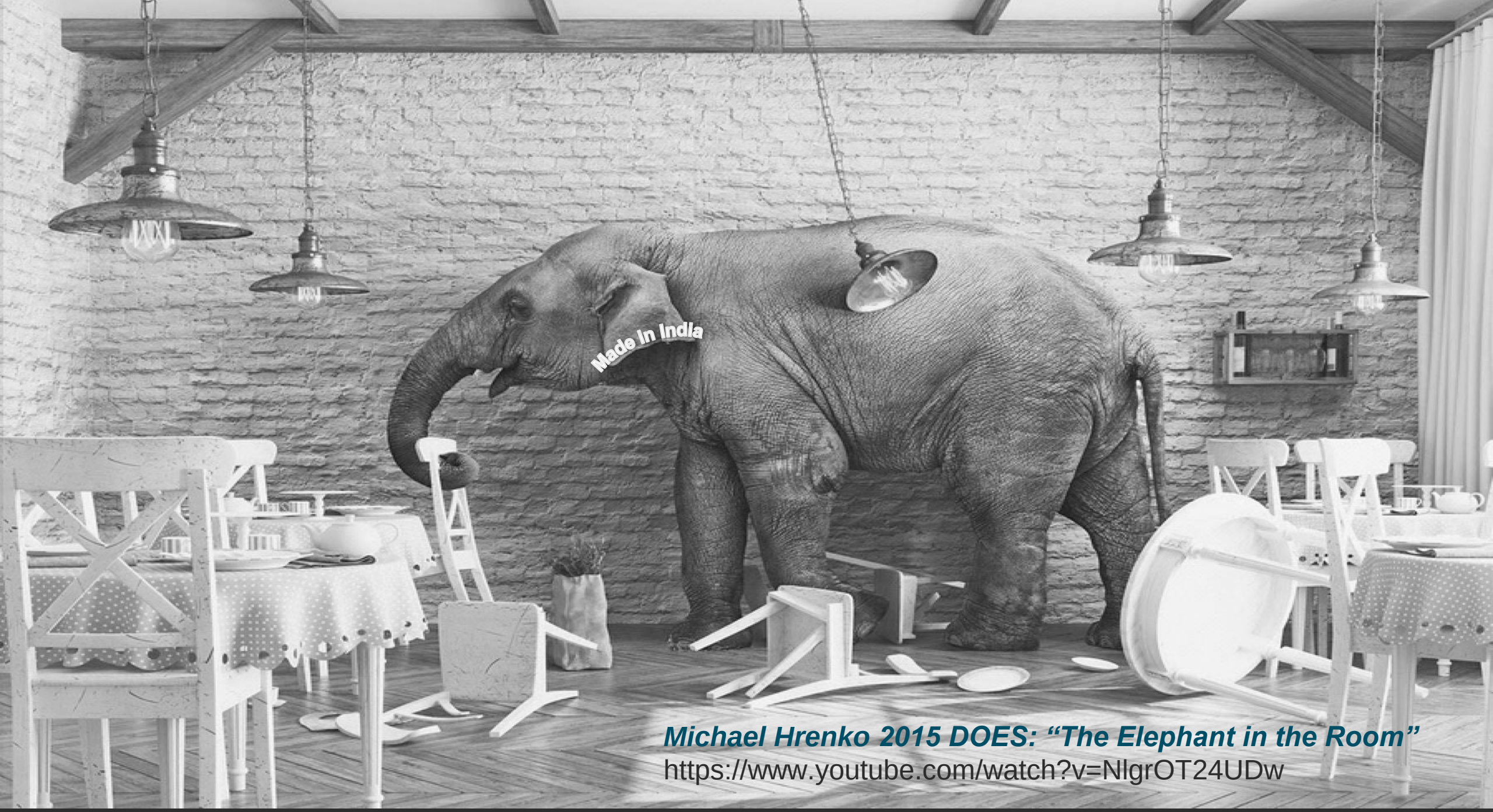

Michael Hrenko 2015 DOES: "The Elephant in the Room"
https://www.youtube.com/watch?v=NlgrOT24UDw

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Moving Data Is Like Moving Elephants

- A Royal Tale?...

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It takes a lot of effort

A lot of hardware

With Manual Intervention

Associated Press Photo - www.ap.org

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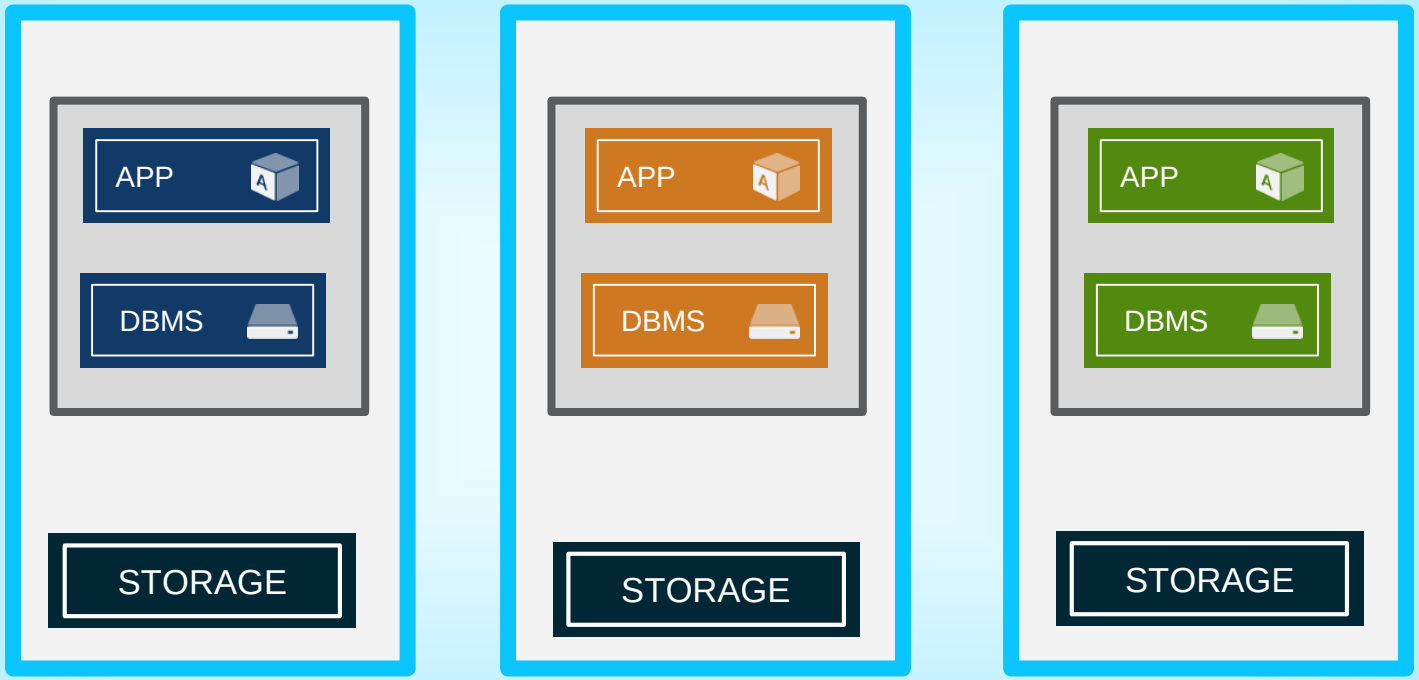
Traditional Data Management: Moving the Elephants…

PRODUCTION

NON PRODUCTION



30 TB + …

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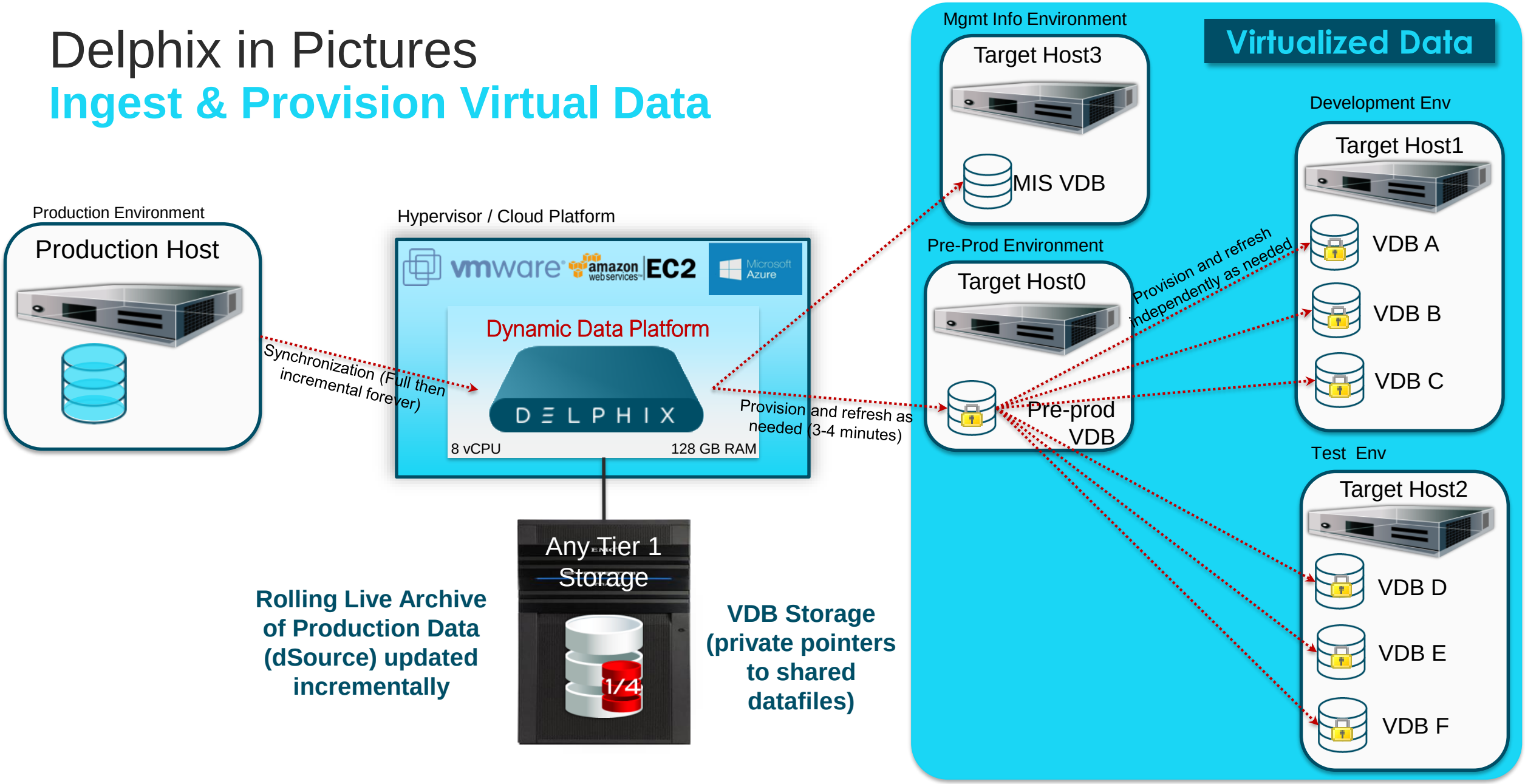
Delphix in Pictures

Ingest & Provision Virtual Data



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Delphix in Marketing Form
Dynamic Data Platform

D Ξ L P H I X

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Data Consumers and Data Providers

EMPOWERED USERS

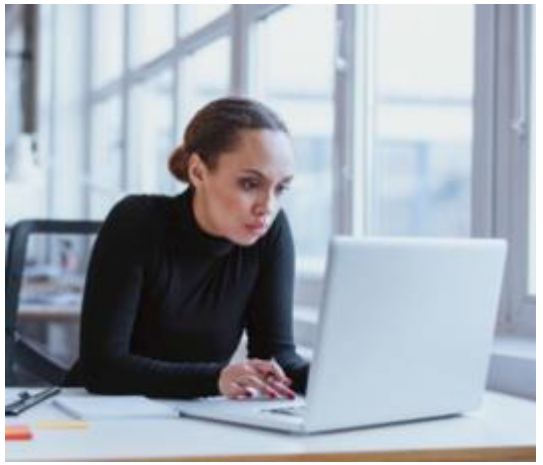
“energised & engaged”

DATA CONSUMERS

- Instant Data Access
- Personal Environments
- Self-Service Controls
- Full, Fresh Data
- Eliminate Admin Tasks

EFFICIENT DELIVERY

“Data on Demand”



DATA PROVIDERS

- Protect Sensitive Data
- Governance & Compliance
- Delivery Automation
- Manage Data Sprawl
- Reduce Storage Overhead

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“It’s been eye-opening to see the change in the DBA-Dev Team relationship”

https://www.delphix.com/case-studies/channel-4

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Data Pods

Access and control data at will

DATA CONSUMERS

- Bookmark
- Version
- Refresh
- Restore
- Branch
- Share

DATA OPERATORS

- Secure
- Virtualize with compression
- Automate
- Replicate View and Manage test & copy data environments across users

Personal

Secure

Portable

Lightweight

Dynamic

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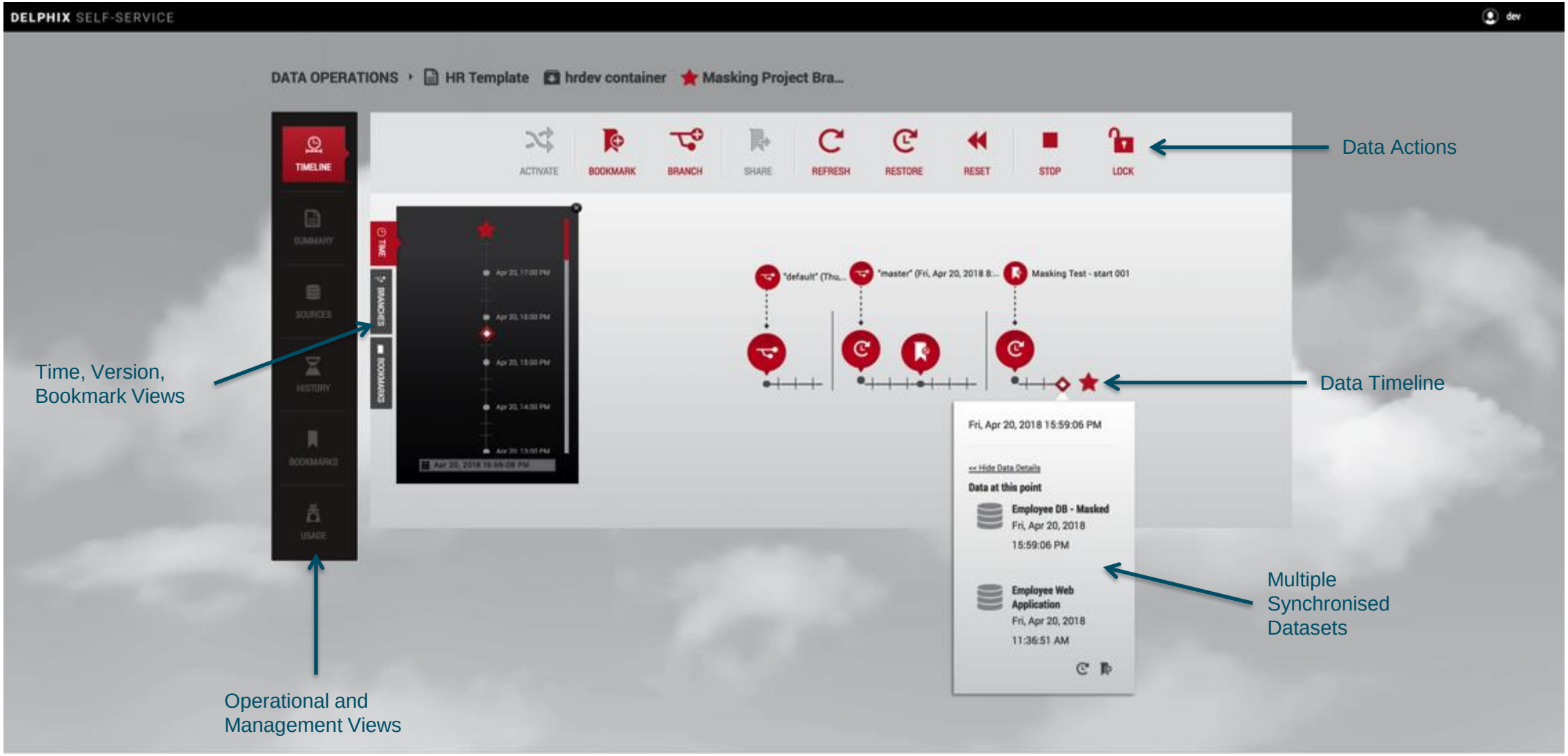
Datapod Self-Service User Interface



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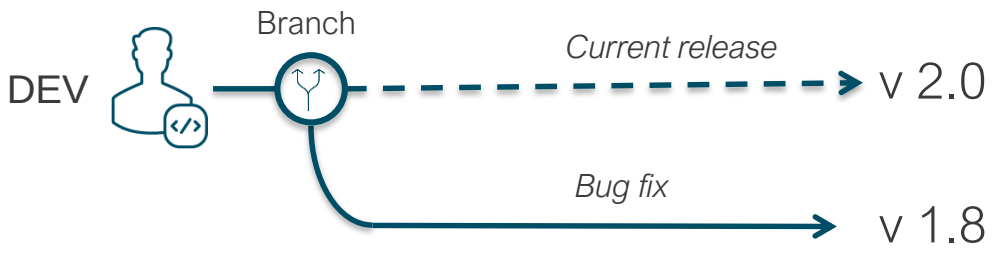
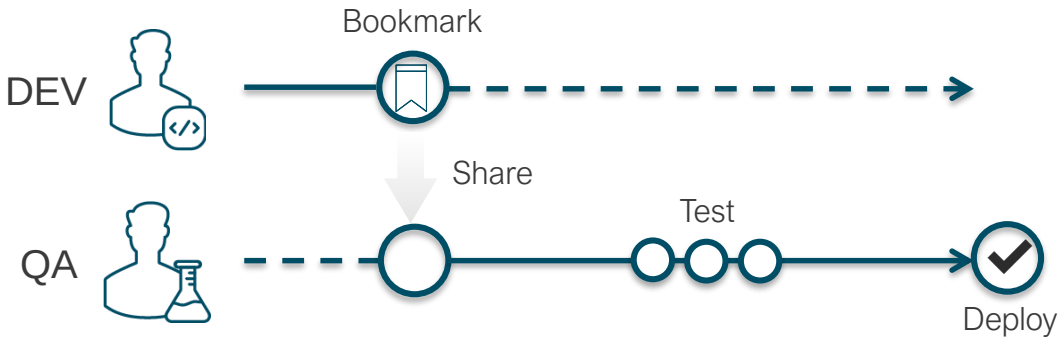
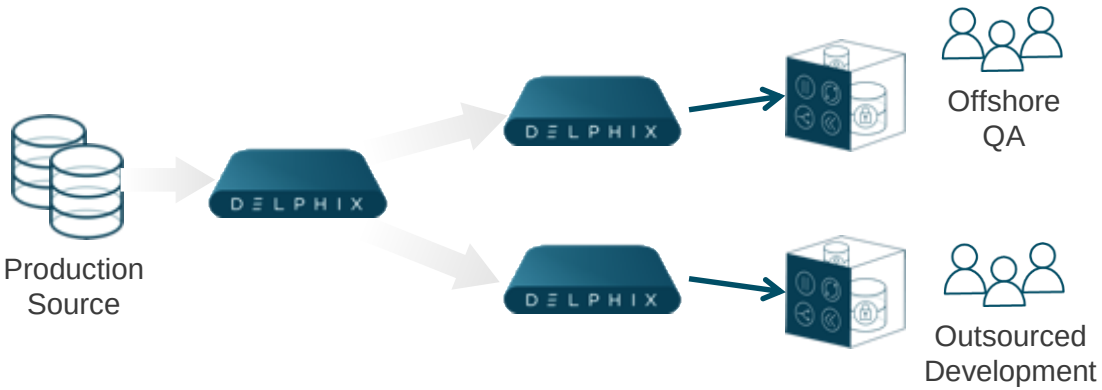
Empower Development Teams with Self-Service



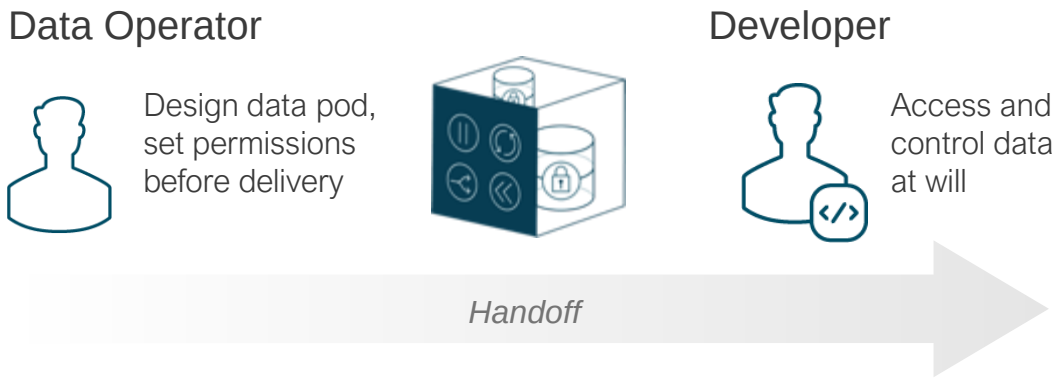
Version data like code



Easily share data



Efficiently replicate data



Governance across IT Ops, Apps

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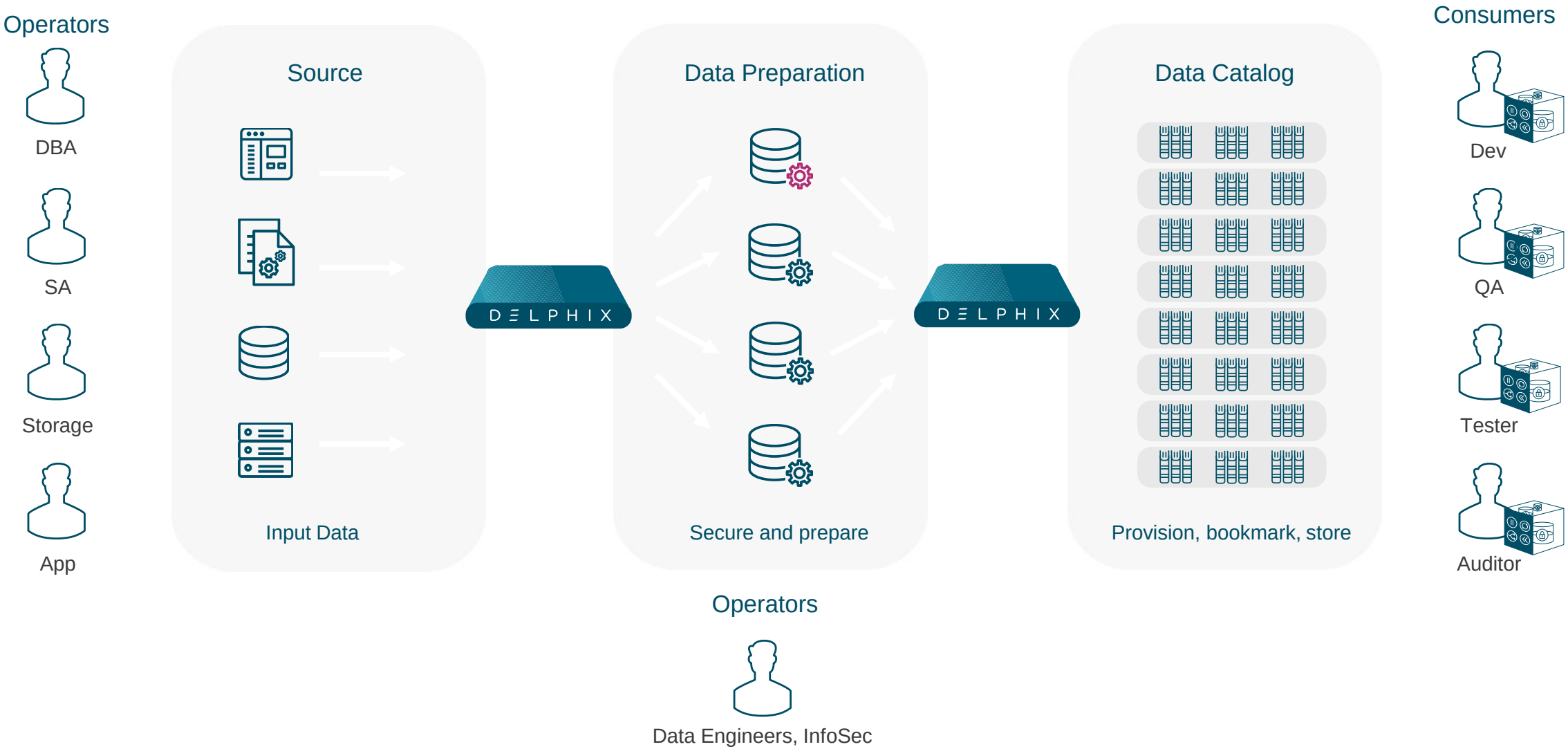
Enabling Self-Service Access to a Full Data Catalog



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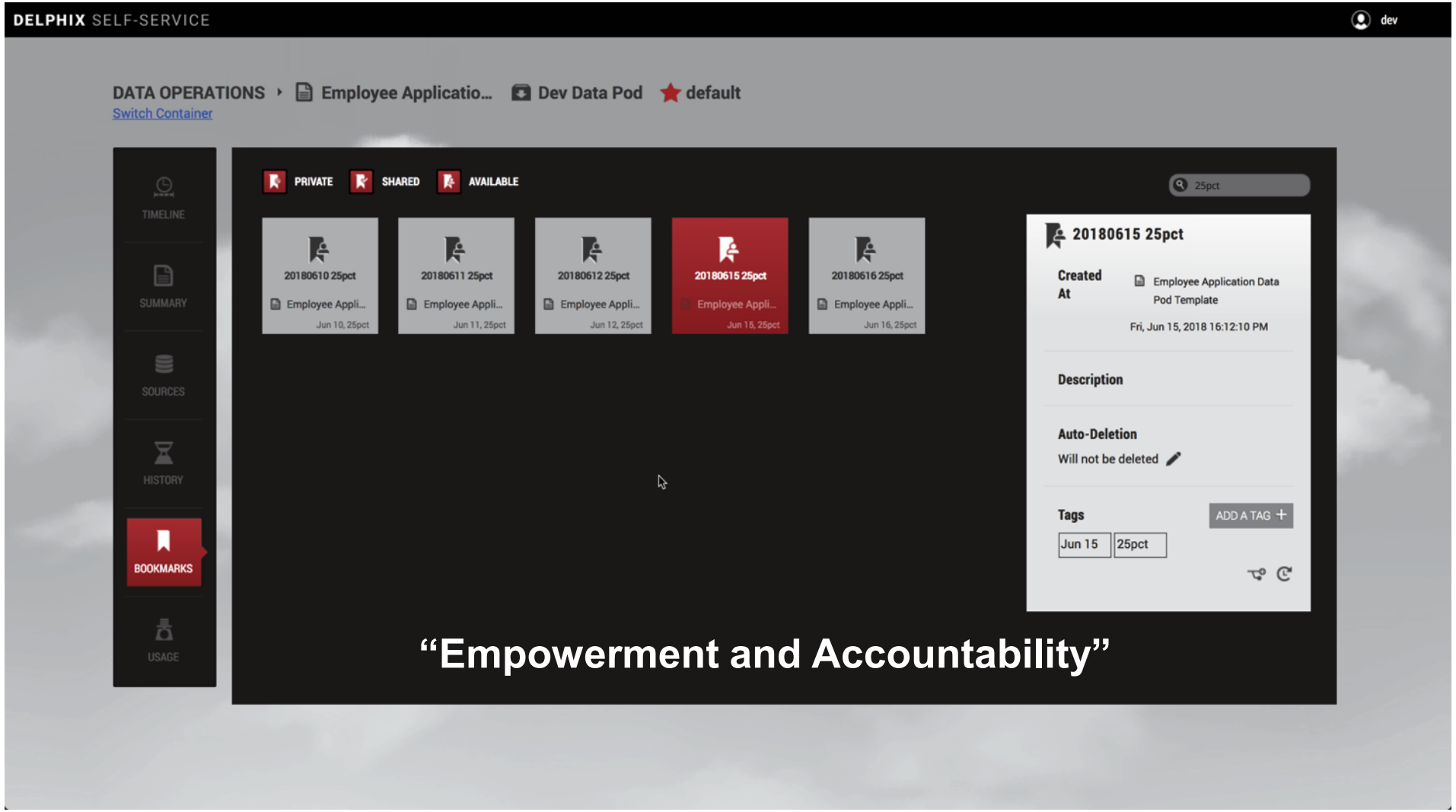
“Zero Footprint” Data Catalogue for Developers



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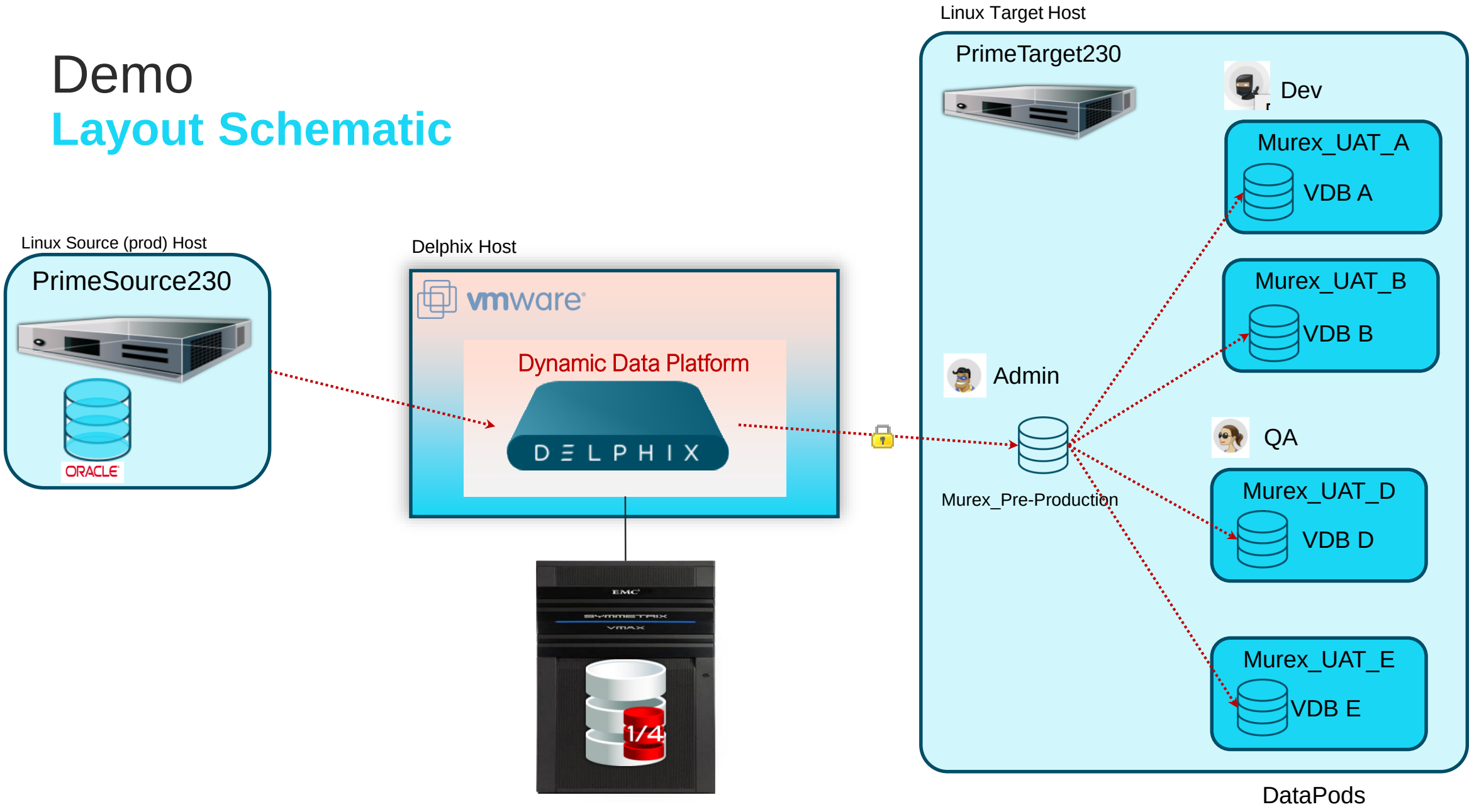
Demo
Layout Schematic



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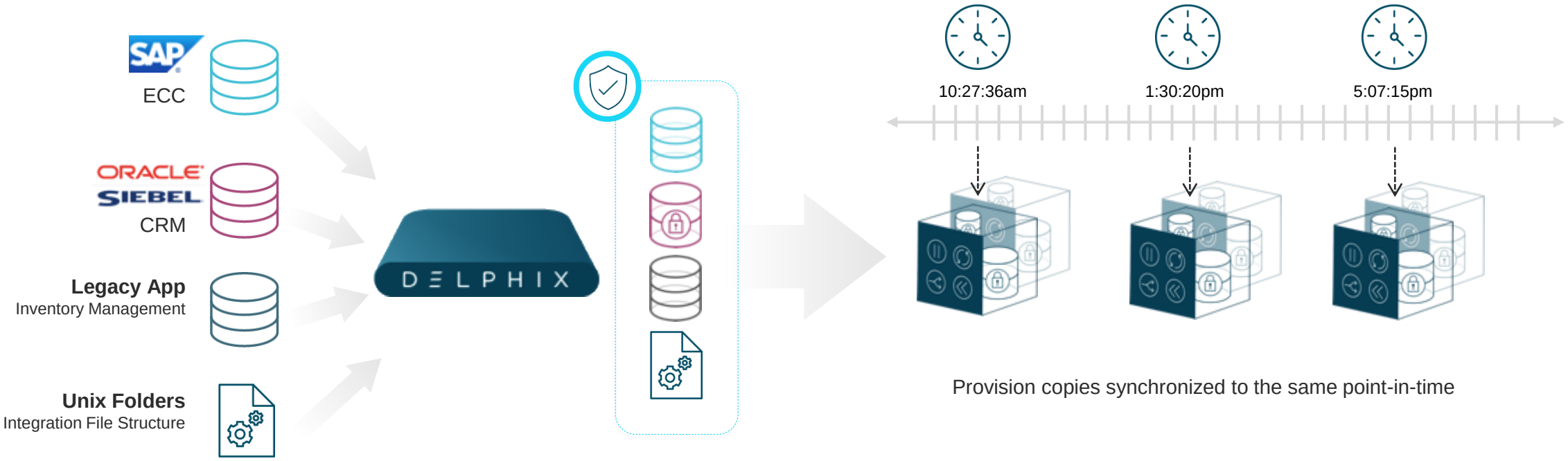
Use Case: Integration Testing



- Ingest data from multiple, heterogeneous sources
- Discover and mask sensitive data while preserving referential integrity
- Provision virtual copies synchronized to same point in time
- Reset/rewind copies in just minutes

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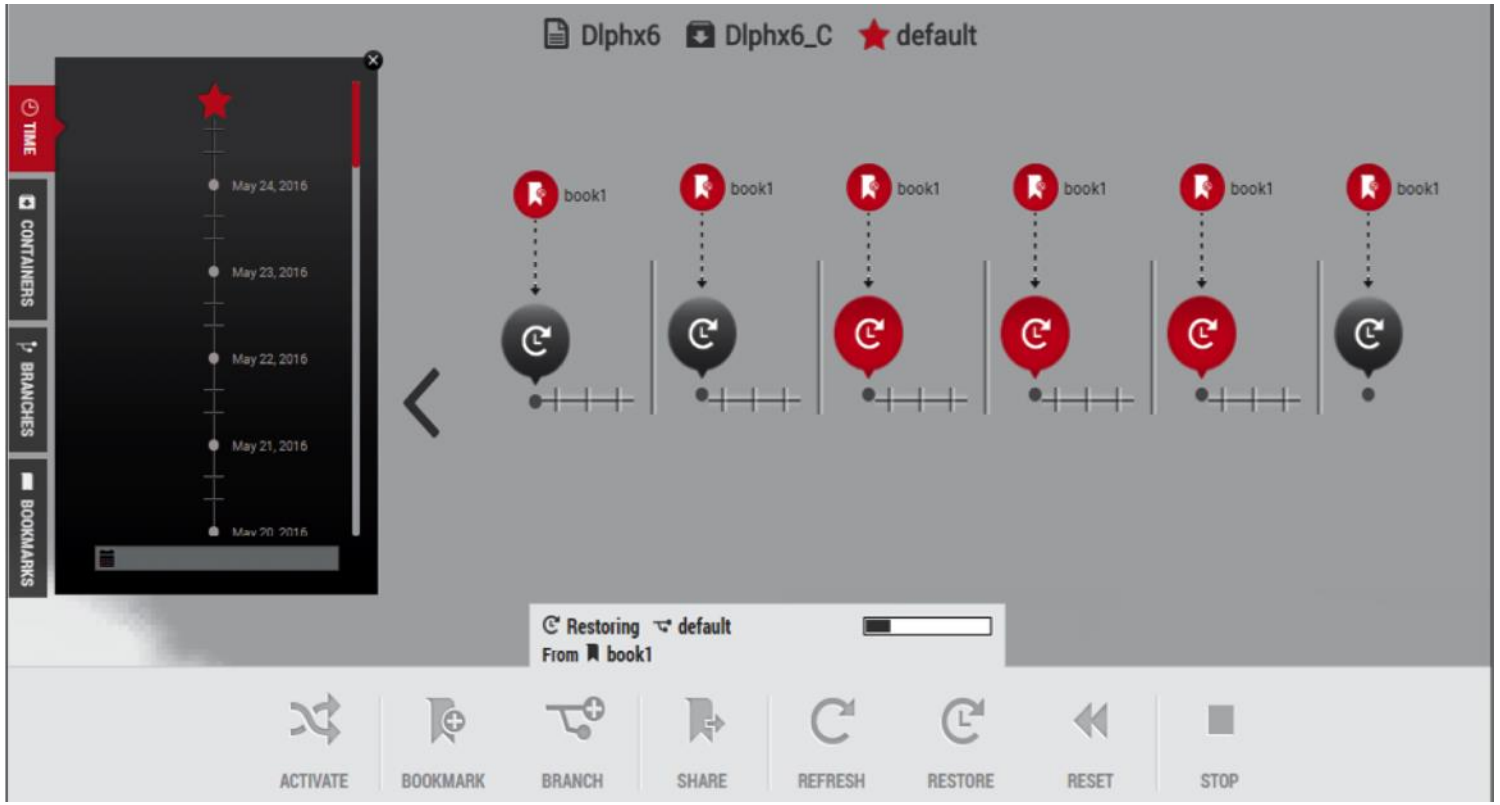
Development Environment Time Machine



- Ability to create multiple bookmarks, each representing a snapshot of the data needed for a particular test.
- These bookmarks can be shared across multiple databases
- The Self-Service Datapod shows you real-time status when databased is being restored.

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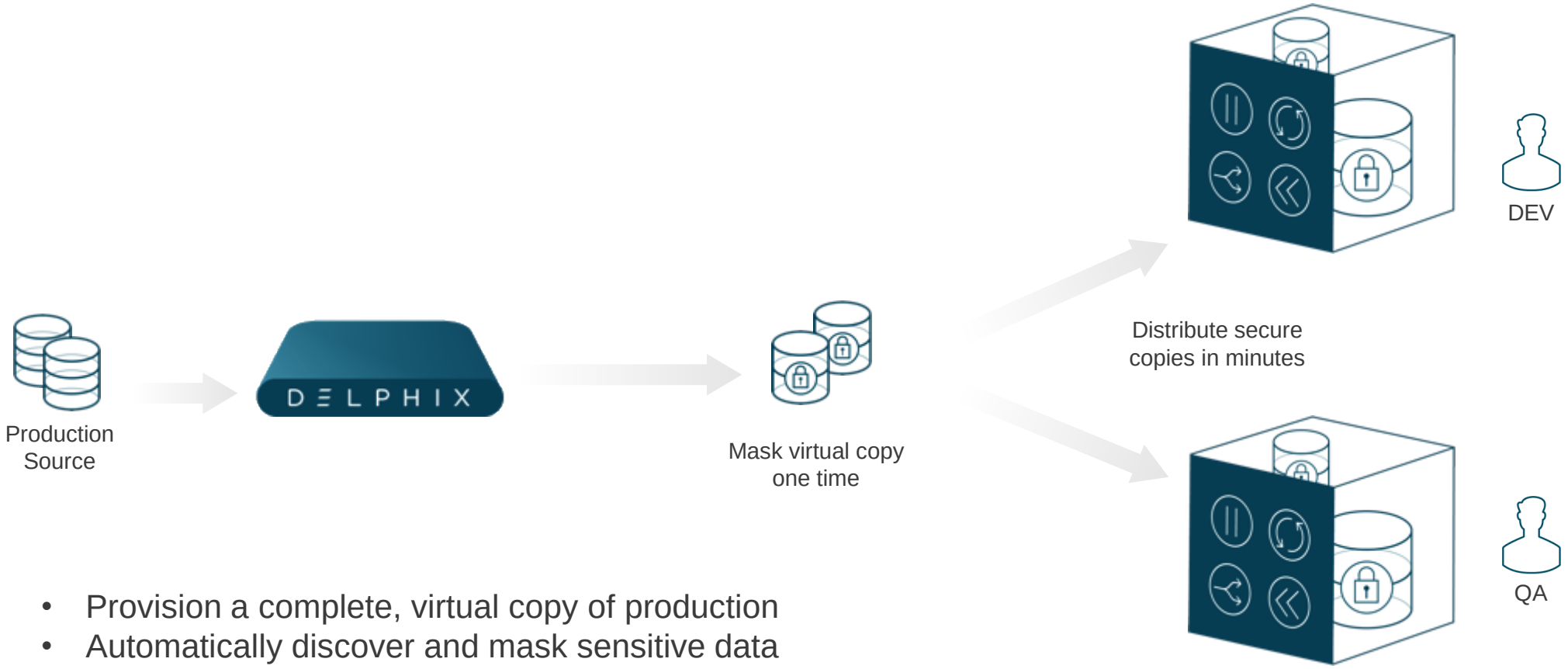
Use Case: Repeatable and Secure Data Delivery



- Provision a complete, virtual copy of production
- Automatically discover and mask sensitive data
- Distribute multiple masked copies packaged in data pods
- Provide testers with self-service control

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A Comprehensive Approach to Data Privacy & Security

MANAGE POLICY

APPLY & manage security policies across all data sources from a centralized management point

DISCOVER

IDENTIFY sensitive data and create an enterprise-wide risk profile

SECURE

APPLY automatic or custom masking with consistency, repeatability

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Secure: Efficiently Mask Sensitive Data

Irreversibly transform sensitive data values into fictitious, yet realistic data values

COMPREHENSIVE
Provide irreversibly masked data across a wide range of cloud or on-prem data sources

CONSISTENT
Masked data with consistency to preserve referential integrity

USABLE
Keep data in a usable state with no impact to developers, testers, trainers, even vendors.

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Masking API

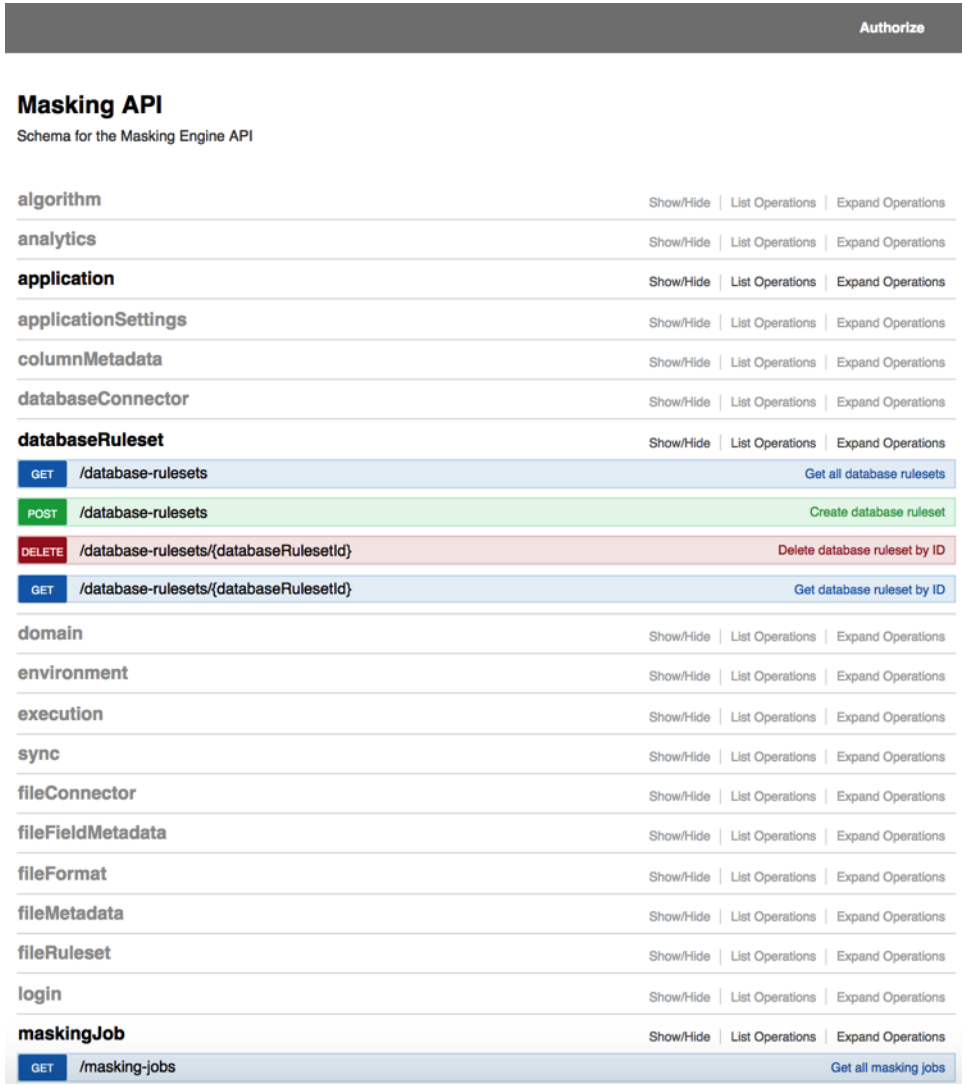
- Comprehensive APIs enable you operationalize masking throughout the enterprise.
- API Console (GUI) for easy experimentation

APIs Cover

- Masking Jobs
- Profiling Jobs
- Connectors
- Rulesets
- Inventories
- Environments

Masking APIs

- Masking Engines sync
- Masking Backup / Restore
- Loading massive rules
- Programmatic discovery



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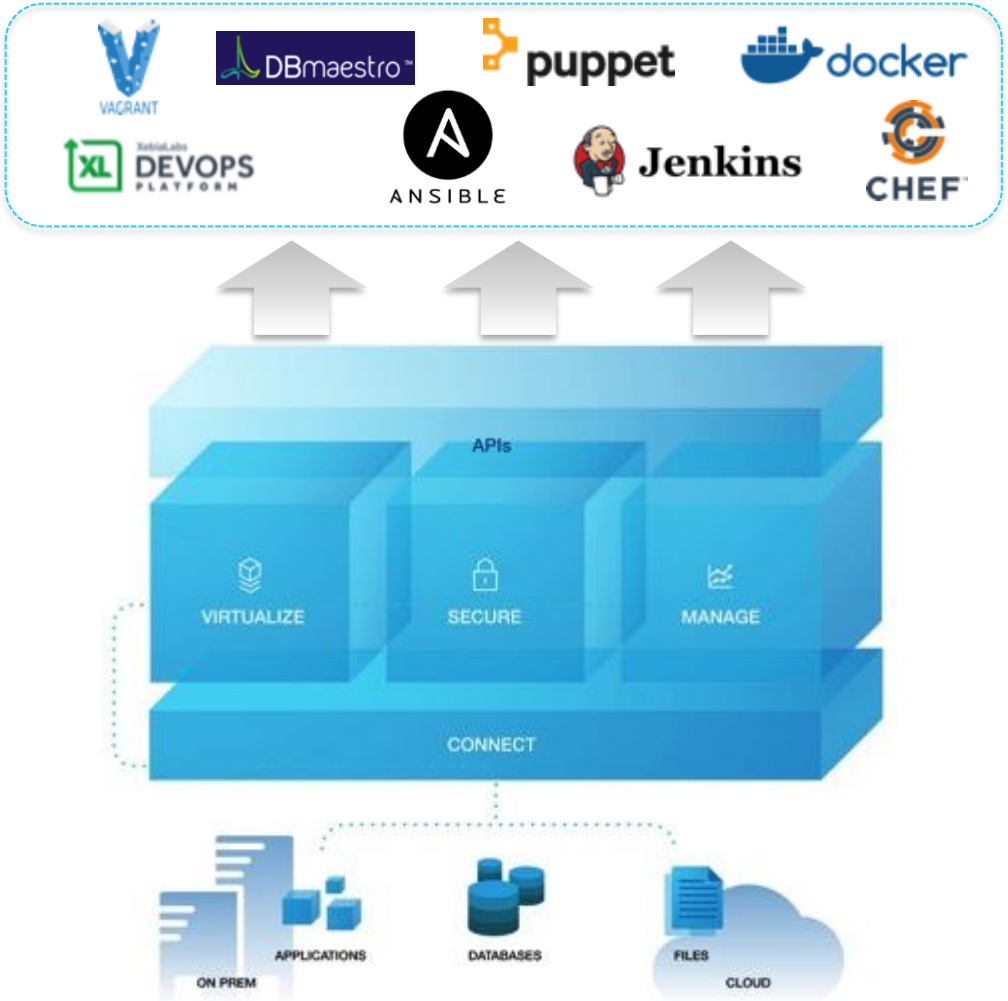
Easily Integrate with DevOps Toolchain

A full API set enables teams to quickly integrate Delphix into DevOps workflows:

- Bring automation to data, increasing speed and scalability
- Boost consistency, accuracy of complex build processes
- Published, RESTful APIs enable easy integration with the tools you use



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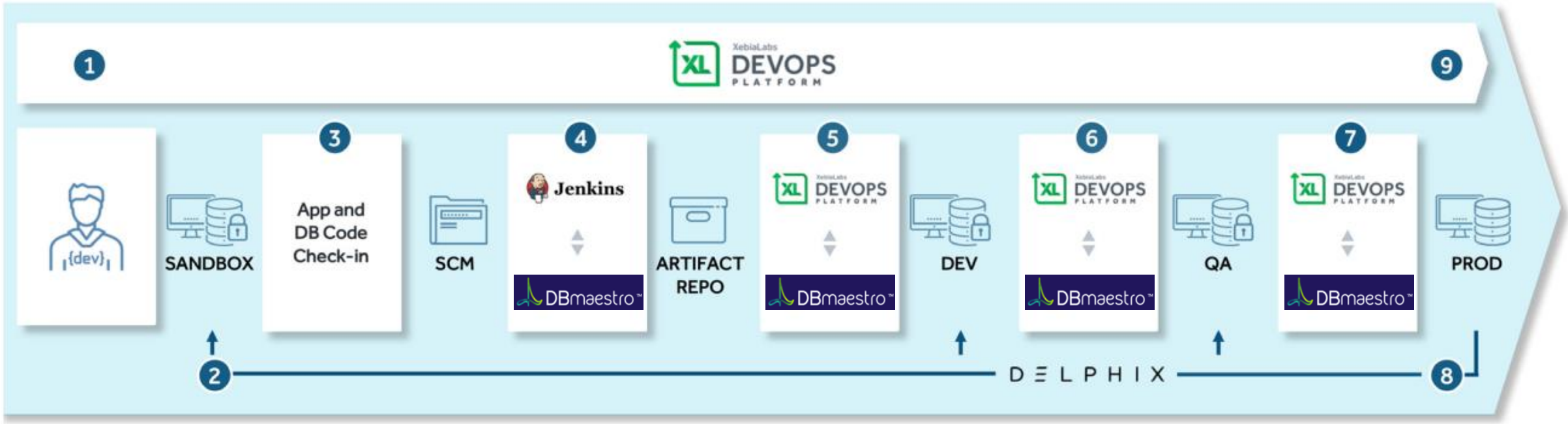
DevOps Maturity and Delphix
Faster and more secure



✓ ✓ ✓ ✓

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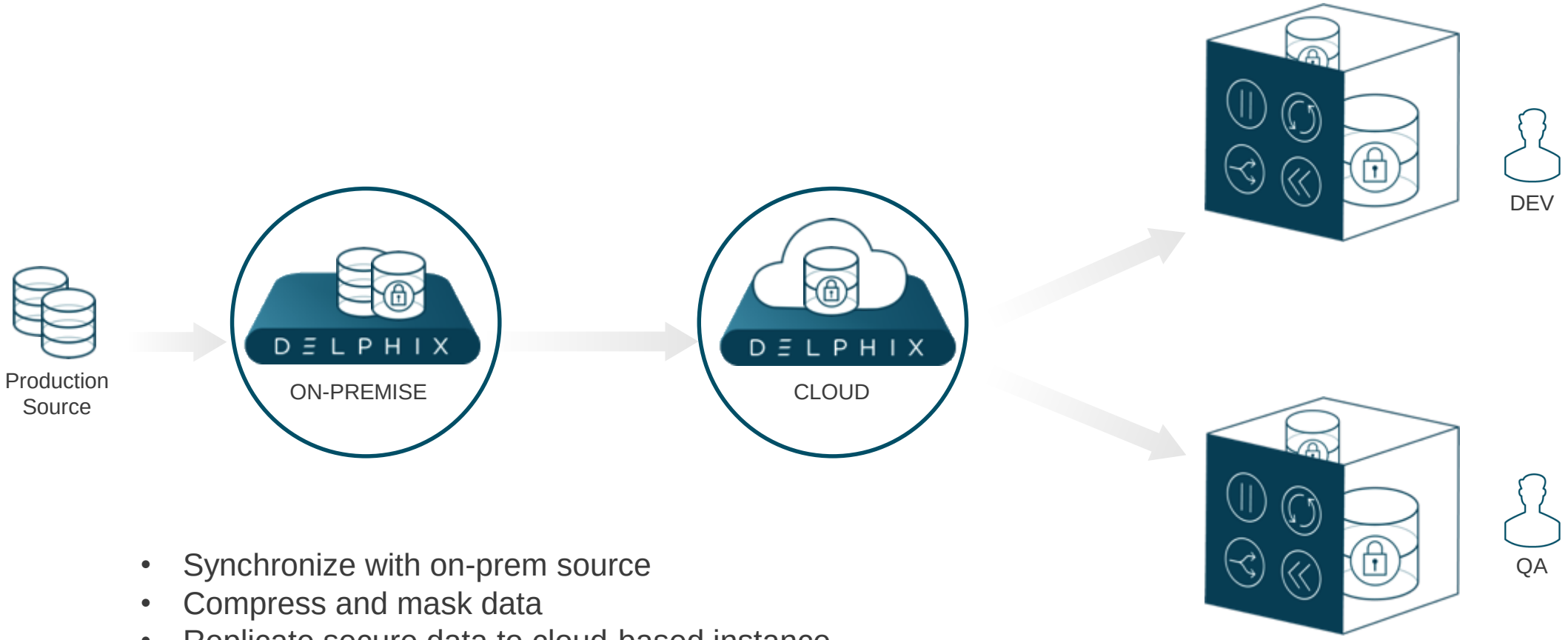
Delphix Platform in Action
Integrated process for secure data distribution



- Synchronize with on-prem source
- Compress and mask data
- Replicate secure data to cloud-based instance
- Provision data pods to consumers

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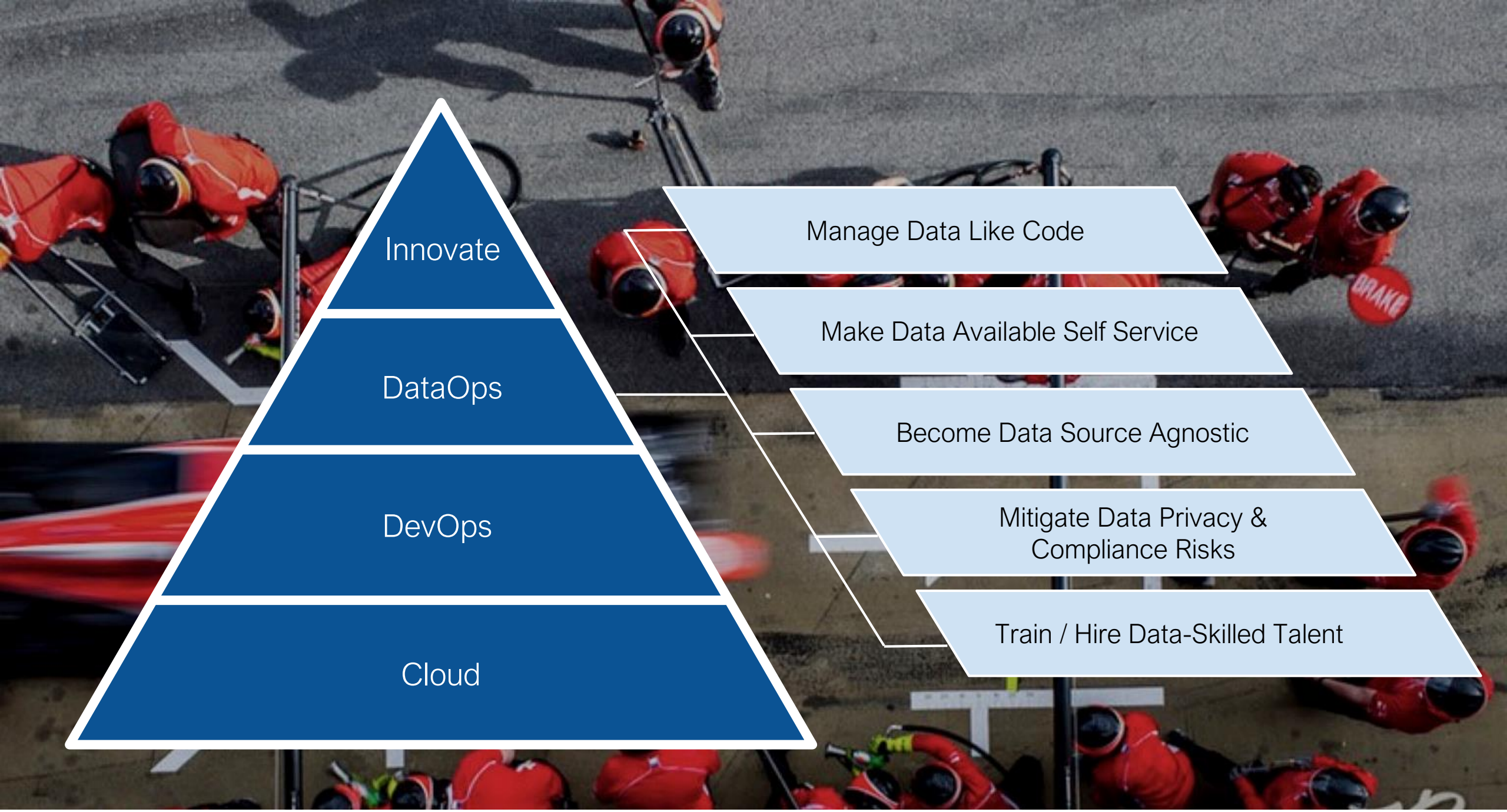

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Delphix Dynamic Platform

agnostic to data source and data location

deliver self service access to personal data environments in minutes

enable teams to manage, change, collaborate with data like code

intelligently anonymize data for privacy and compliance

Data moves rapidly and securely resulting in accelerated innovation

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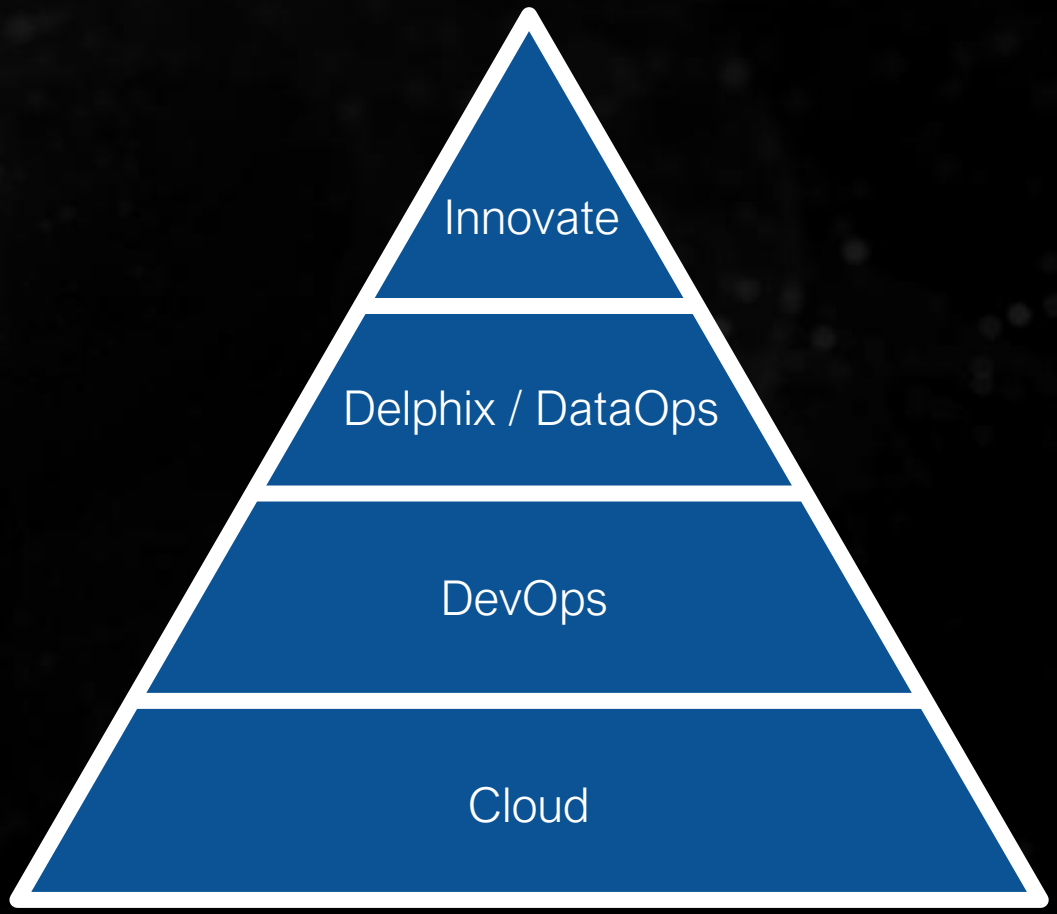
Delphix - Speeding Data to the Pipeline



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Epilogue
(Avengers Style)

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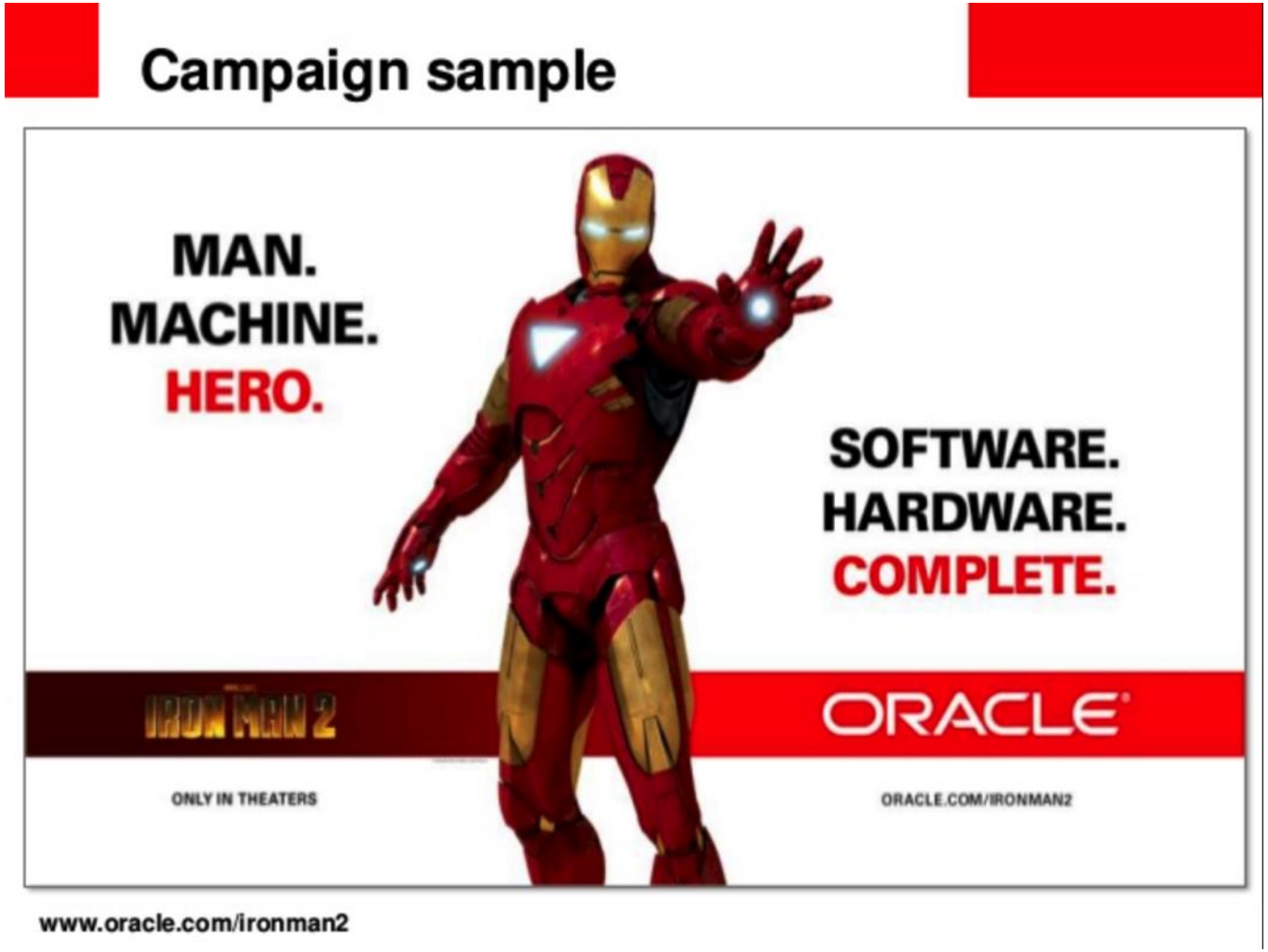
Delphix can Virtualise Exadata!

Oracle Product Placement



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9TH BIT
snapt
DevOps -Infinity-Tools

DevSecOps: Endgame

9th BIT

DBmaestro DevOps for Database

StreamSets

Twistlock

DELPHIX

snapt

XebiaLabs Enterprise DevOps

sonatype

Saving the Enterprise