IBM Z Digital Integration Hub

Industry shifts require agile interaction with core systems

Real-time and event-based flows

How to share info at scale

Faster integration with cloud apps

Standards based & self-serve

Increased inquiry traffic & unpredictability

Optimization for query handling

Focus on digital and mobile channels

Ensure consistency of info

Digital transformation

Purpose-based modernization

Ecosystem expansion

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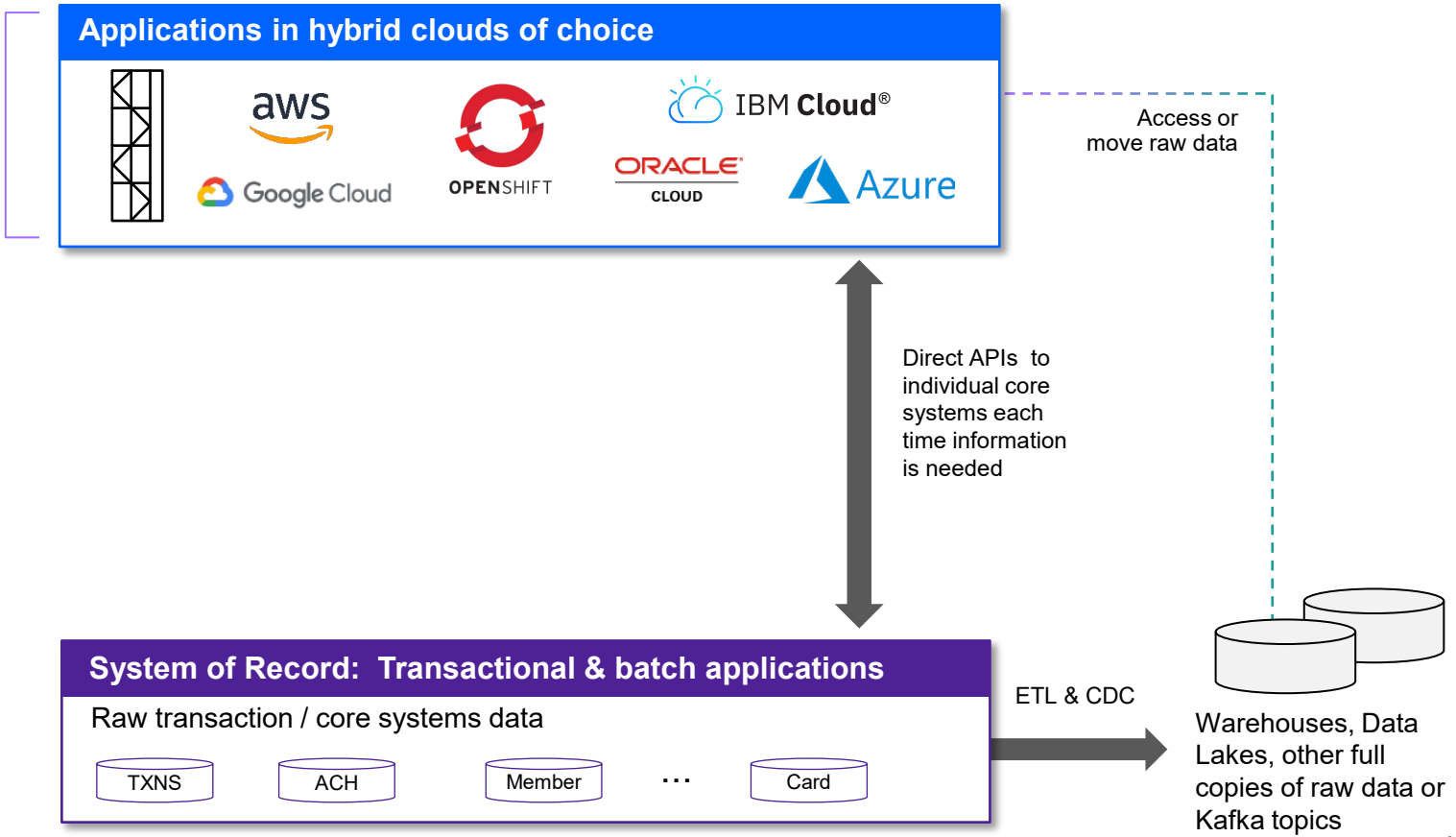
Landscape for handling increased SOR interaction

Today's challenges:

- Stale information
- Spikey System of Record (SOR) impacts
- Limited eventing
- Inability to separate query & update traffic
- Cannot obtain needed information



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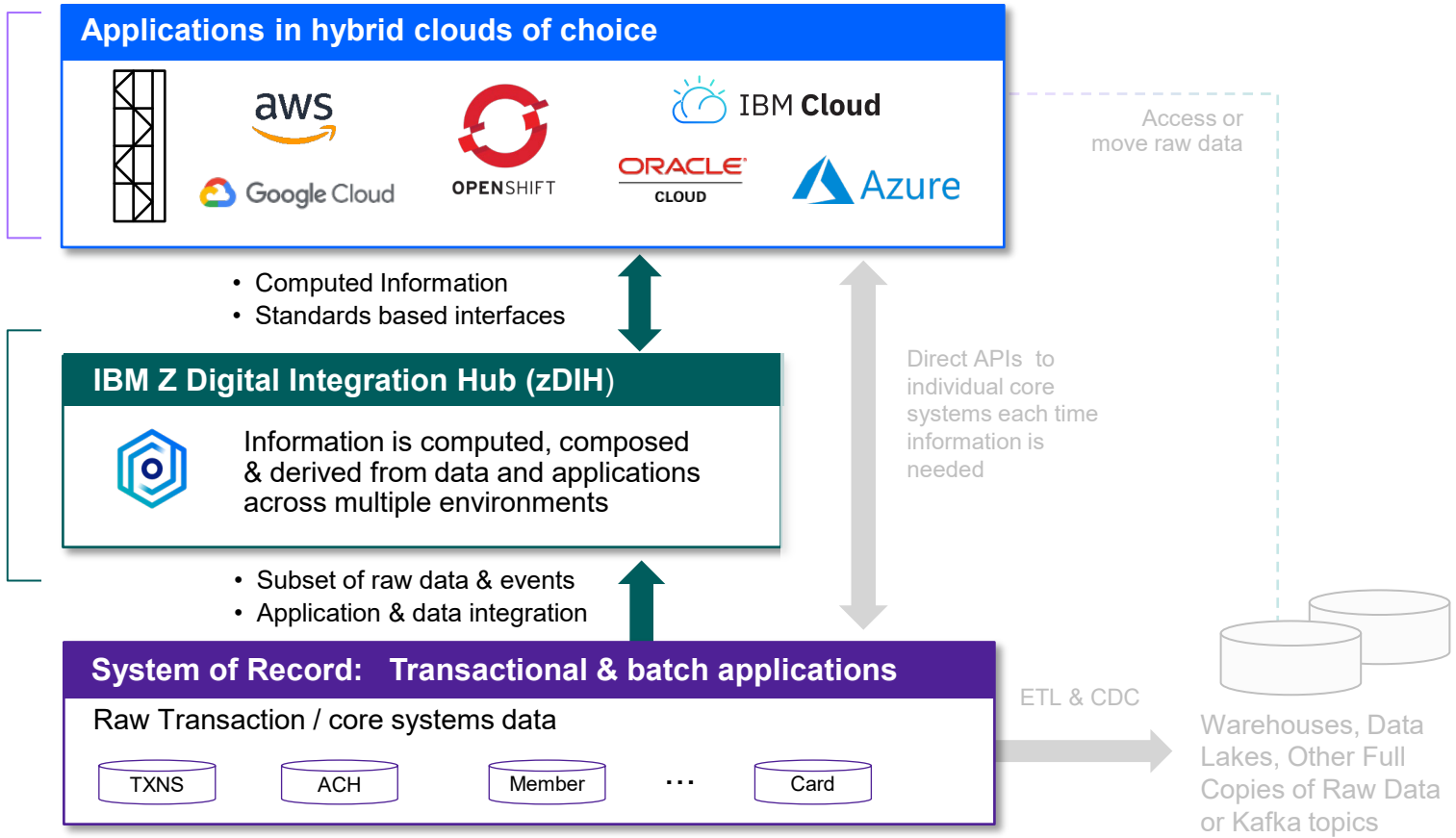
Optimized SOR interaction with Z Digital Integration Hub

Challenges addressed:

- Stale information
- Spikey Systems of Record (SOR) impacts
- Limited eventing
- Inability to separate query & update traffic
- Cannot obtain needed information

IBM Z Digital Integration Hub provides:

- Real-time information
- SOR protection from unpredictable inquiries
- Flexible information model
- Composed information
- TCO advantage



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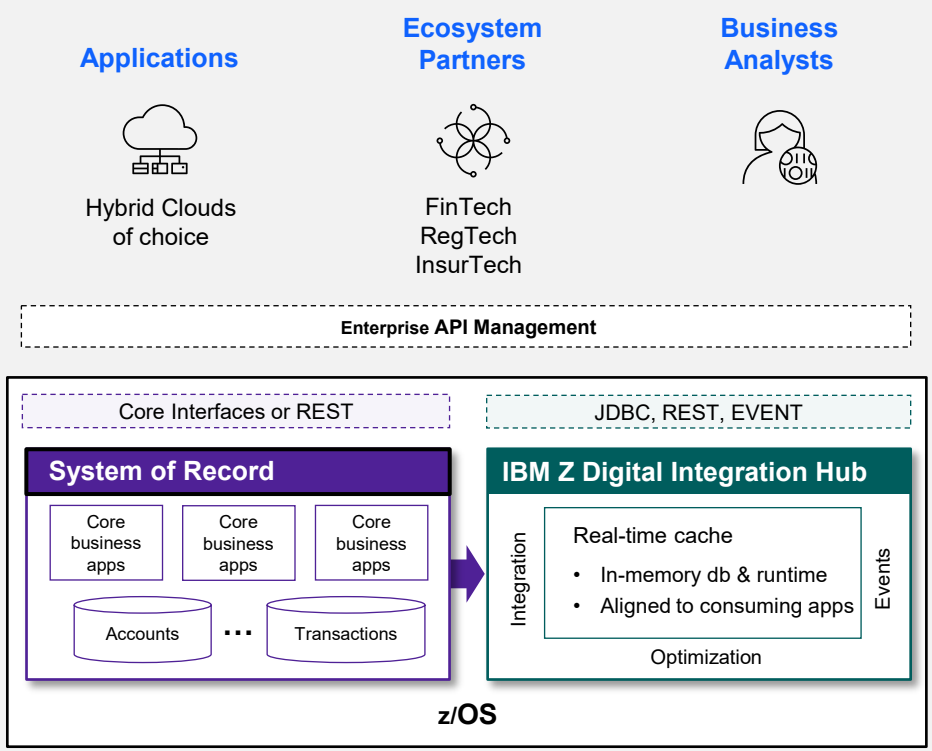
IBM Z Digital Integration Hub fuels your hybrid cloud strategy

- **Real-time information flow** at scale between Systems of Record and hybrid cloud or end users
- **Faster development** of hybrid cloud applications due to decoupling with Systems of Record
- Accelerated **core systems integration** across the enterprise
- Incremental **application modernization** while avoiding disruption to core systems
- **Self-service** for business analysts without impacting core systems
- **Cost optimization** through separation of query processing from core transactions + zIIP eligibility



Gain faster ROI through hybrid cloud integration

Create new channels with expanded ecosystems

Leverage high-value investments

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M&T Bank

How do banks make accurate business decisions in real-time?

Read the full story

M&T Bank was searching for a faster, more efficient way to share core banking information with hybrid cloud applications—without impacting production systems.

M&T collaborated with IBM on a Z Digital Integration Hub (zDIH) engagement to modernize and better integrate their z/OS® applications with downstream consumers.

With zDIH, the bank mitigates risk and potential fraud by providing hybrid cloud applications with sub-second current information from systems of record. M&T also improves time to value up to 40% for data-driven applications and enables business analysts to respond customer issues.

Agile integration and real-time information flow at scale between Systems of Record and hybrid cloud applications

"Without this pilot and collaborative approach, our collective organizations would not have achieved the great outcomes we did."

Russell Plew
Technology Senior Manager, M&T Bank

Solution Components

- IBM zSystems™
- IBM Z Digital Integration Hub

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Examples of **good fit** use cases:

- ❑ Surface information which is composed / aggregated as opposed to all raw data
- ❑ Implementing optimized CQRS (separating inquiry and update interactions) for downstream consumers
- ❑ Hybrid cloud application has latent information, and needs real-time or more current info
- ❑ Transition to more event-driven approach for information flow from systems of record
- ❑ Create desired information from combination of batch & online
- ❑ Efficient information sharing across multiple z/OS applications
- ❑ Re-use composed information by multiple cloud consuming applications

Examples of **not good fit** use cases:

- ❑ Move all z/OS core systems data to the cloud or another environment
- ❑ Access to all core systems of record data for adhoc query interaction
- ❑ Stream all data off the platform
- ❑ Cache all data from a system of record in zDIH
- ❑ AI / ML model training that requires access to granular raw data
- ❑ As a replacement for core systems transaction manager or database (e.g. Db2® for z/OS, CICS®, IMS™, etc.)

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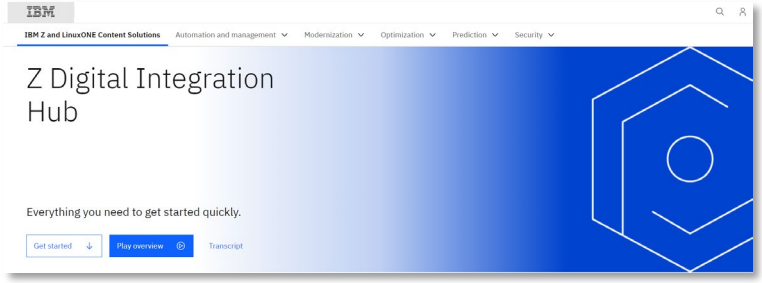
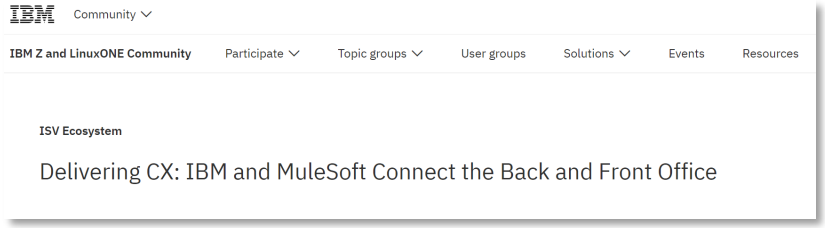
Additional IBM Z Digital Integration Hub resources

Z Digital Integration Hub landing page



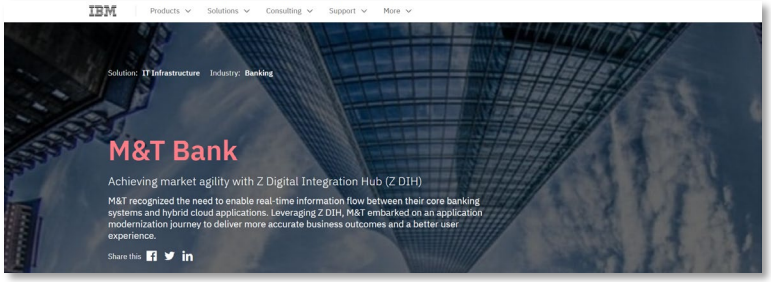
zDIH landing page

Enterprise API management



MuleSoft integration with zDIH

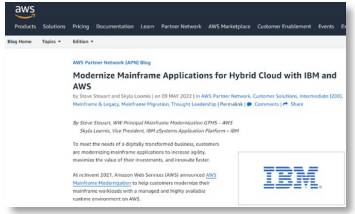
M&T Bank



zDIH case study and reference

Modernize mainframe applications

Hybrid Cloud with IBM, AWS, and Azure



AWS: Pattern 2

Azure: Pattern 3

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