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# K2View Fabric for GDPR Compliance

*November 28, 2017*

**K2VIEW**  
*Data without delay.*



What if you could  
begin protecting  
consumer data to  
GDPR standards  
in just weeks?



# Introducing K2View Fabric.

A better, faster way.

Identify, access,  
export or purge all the  
data you need to for  
GDPR compliance.

In weeks, not years.

## »» A real-time 360 DaaS platform serving many big brands



We help enterprises evolve and win in a data-driven world

- Distributed data management platform that integrates, secures, stores, synchronizes and delivers real-time data as a service
- Founded in Israel in 2009, HQ in Dallas, TX



## » GDPR Background

- General Data Protection Regulation was adopted by EU Parliament in April in 2016 with enforcement beginning May 25, 2018
- Requires businesses to protect the personal data and privacy of EU citizens for transactions that occur within EU member states (28 states)
- Also regulates the exportation of EU data outside of member states
- Any company conducting business in the EU or companies processing data of EU residents are required to comply
- Failure to comply will result in penalties of PS 20M or 4% of global annual turnover, whichever is greater



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## »» Key GDPR Requirements

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### Consent (articles 6, 7, 8)

- Companies must get Bill's permission to use his data for each specific function.

### Right to Access (article 15)

- Bill has the right to know upon request, what personal data a company is using and how its being used.

### Right to be Forgotten (article 17)

- Companies must be able to delete Bill's data and cease using it upon request.

Joe  
Customer



### Data Portability (articles 20)

- Companies must enable Bill to transfer his personal data to other companies upon request.

### Data Protection (articles 25, 32)

- Companies must be able to provide Bill with a reasonable level of data protection and privacy.

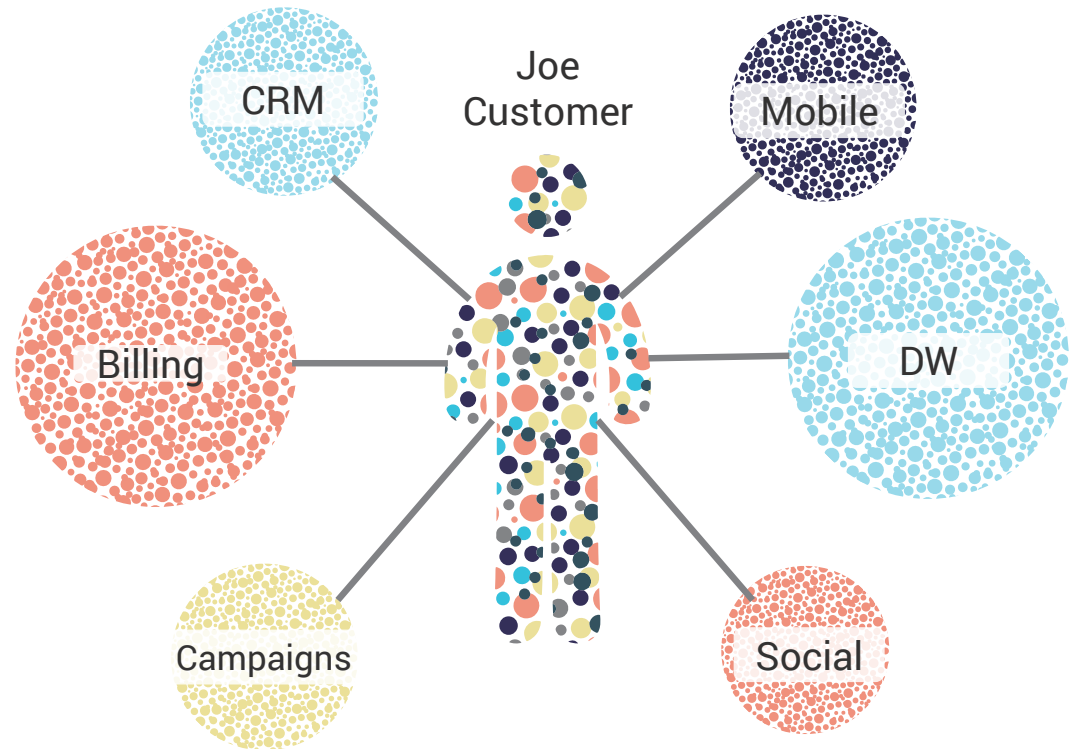
### Reporting Breaches (articles 33, 34)

- If Bill's data is breached, he (and authorities) must be notified by the company within 72 hours.

## » The problem: It's hard to know all the data you have on Joe

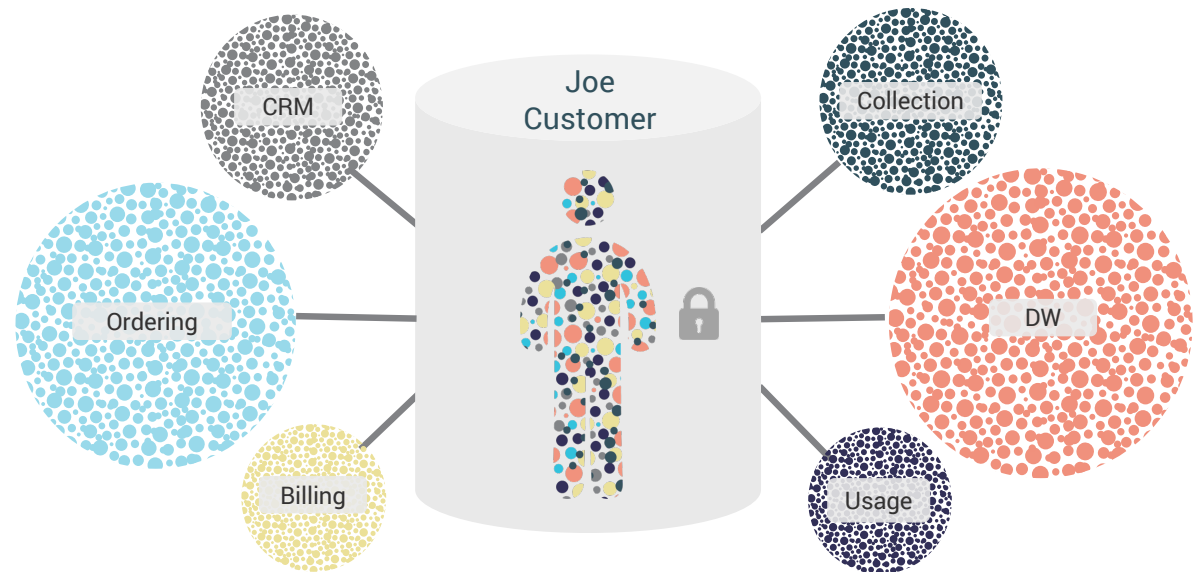
- You don't know where it lives
- Which means you don't have the ability to easily protect Joe's data or act on it

But what if you could?



## » K2View Fabric: All the essentials for GDPR compliance

- Fabric enables enterprises to bring together all of their customer data, regardless of the source, and store it in individually secured micro-databases, that can act as the central control point for all customer data
- Our secret sauce is the way we organize and secure data at the “Business Entity” level (e.g. customer, product)
- This is essentially the core of what is needed for compliance with most of the GDPR articles
- In fact...we’ve issued a patent that protects our unique way of organizing, storing and securing data



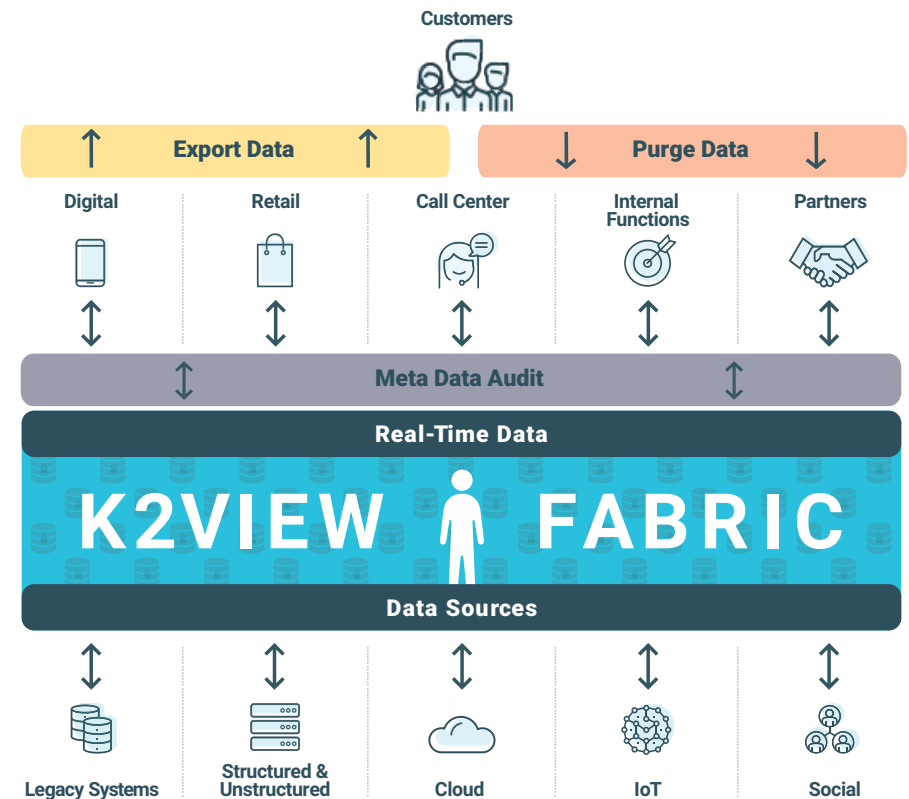
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## » Privacy by design ... GDPR compliance progress in weeks

- Rapidly integrate data from any source
- Create holistic, 360° data around whatever matters most to your business:
  - Customers
  - Stores/Locations
  - Products
  - Transactions
  - Network Towers
  - Devices
  - Households
- Stored in thousands (or millions) of individually-encrypted micro-databases
  - Can support EU same geography storage requirements
- Then kept up-to-date in real-time
- And easily exposed, exported or purged

Typical project duration: 3 months



# » K2View Fabric = GDPR Compliance

## Consent (articles 6, 7, 8)

- ✓ Single source and access point for customer data
- ✓ Consent collected, housed and restricted by discreet function that uses customer data
- ✓ Existing consent partners, sources and processes easily incorporated

## Right to Access (article 15)

- ✓ All the data a company has on a customer can be held within Fabric
- ✓ Mapping maintained of where all a customer's data lives, the functions/services using it, and a history of all of the changes
- ✓ Provides access to this information via web services for display or reporting.

## Data Portability (articles 20)

- ✓ Web services layer for export of customer's data in a number of transferrable file formats including .CSV, XML, ???

Joe  
Customer



## Right to be Forgotten (article 17)

- ✓ Capabilities for purging and archiving any data within its scope
- ✓ Because Fabric maintains a complete map and the ability to interact with each of the source systems, it's able to orchestrate the complete removal of any data within its scope

## Data Protection (articles 25, 32)

- ✓ Fabric organizes & stores data at an individual customer level, which allows it be protected & secured at that same level
- ✓ Fabric individually encrypts each customer micro-database and we do it down to the data element level, virtually eliminating the risk of a mass breach of customer data

## Reporting Breaches (articles 33, 34)

- ✓ If a breach were to occur, it would be done at an individual customer level and Fabric would know immediately and would issue notifications as appropriate

## » Benefits beyond compliance

### Speed



- Bring solutions to market in weeks or months, not years
- Complex queries executed in micro-seconds
- Scale and availability are concerns of the past

### Security



- Each business entity micro-database is individually encrypted
- Data is protected at the data layer, not the application
- Data masked on a business entity level

### Savings



- Data is compressed at 90% of traditional databases
- Leverage investments in SQL
- Commodity hardware/OS & standard integration

SOLUTION → GDPR Compliance

*K2View Fabric was created with Privacy by Design in mind*

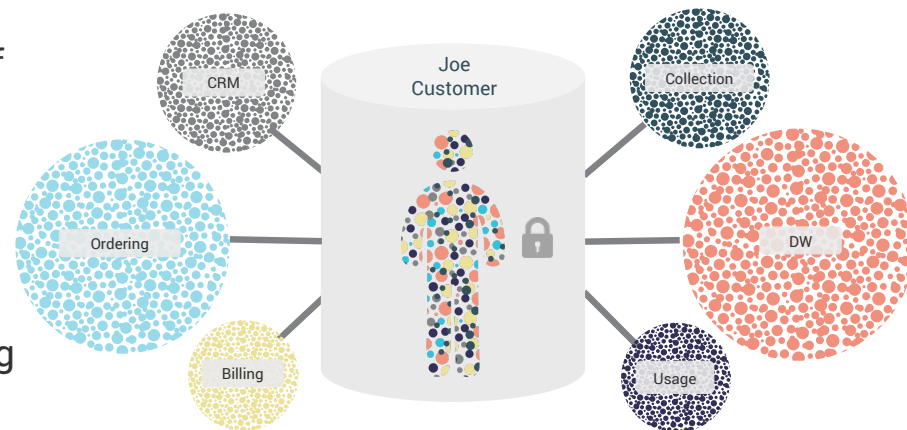
### K2VIEW FABRIC

- Real-time, 360 Data platform accelerates your compliance roadmap
- Zero impact to source systems
- All data about a customer stored in individually-encrypted micro-databases

### PRIVACY BY DESIGN

- Single source and access point for customer data
- Individually-encrypted micro-database structure
- Consent capabilities by function
- Mapping & history logging
- Archiving, exposure, export & purging capabilities

- Fabric enables enterprises to bring together all of their customer data, regardless of the source, and store it in individually secured micro-databases, that can act as the central control point for all customer data
- Our secret sauce is the way we organize and secure data at the “Business Entity” level (e.g. customer, product)
- This is essentially the core of what is needed for compliance with most of the GDPR articles
- In fact, our unique way of organizing, storing & securing data is patent-pending



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## SOLUTION TECHNICAL OVERVIEW

# GDPR Compliance progress ... in just weeks

SOLUTION → GDPR Compliance

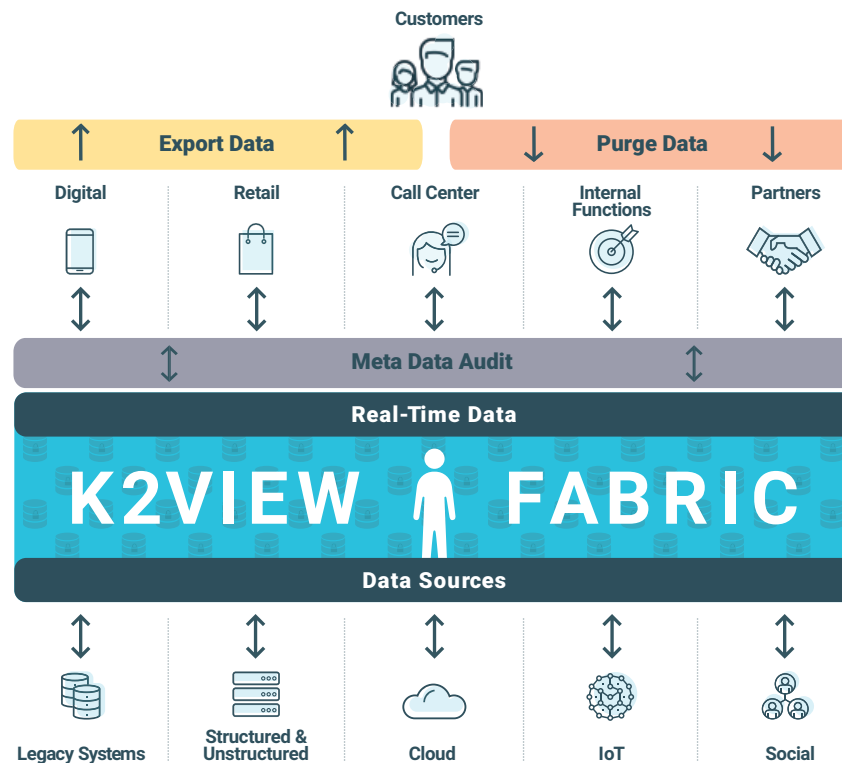
*K2View Fabric was created with Privacy by Design in mind*

### PRIVACY & SECURITY BY DESIGN

- Single source and access point for customer data
- Individually-encrypted micro-database structure for each customer virtually eliminates risk of mass data breach
- Should single micro-DB breach occur, quick notifications issued

### CONSENT CAPABILITIES

- Consent collected, housed and restricted by each discreet function that uses data
- Existing consent partners, sources and processes easily incorporated



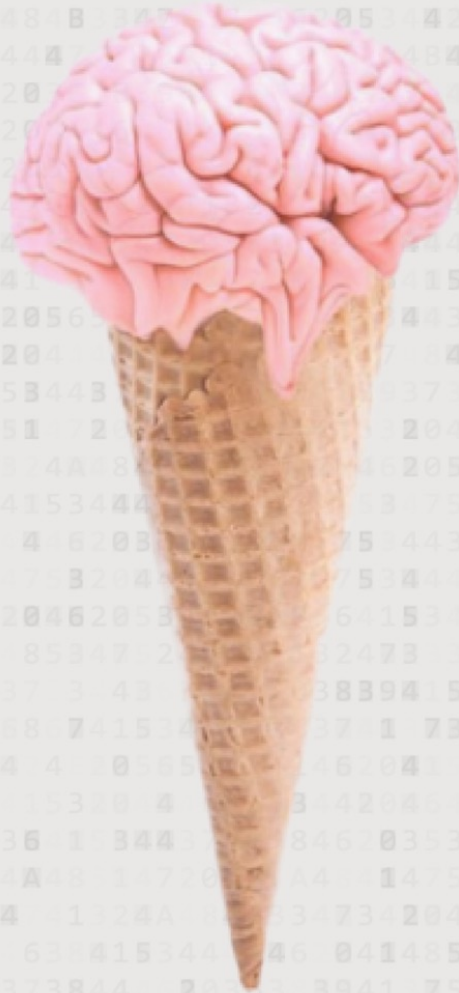
### DATA MAPPING & HISTORY AUDIT

- Mapping maintained of where all a customer's data lives and the functions/services using it,
- Historical audit capabilities of all changes to data

### EASY ARCHIVE, EXPORT, PURGE

- Due to mapping and the ability to interact with each of its source systems, Fabric can orchestrate the archival or complete removal of any data within its scope
- Web services layer for export of customer's data in a number of transferrable file formats





## K2View Fabric: It's not just for GDPR

Once deployed, rapidly power  
other solutions like:

- **Digital Transformation** – Customer360, omni-channel experience & more
- **Cloud Enablement** – Accelerate migrations or power CRM solutions
- **Network Transformation** – Powered by 360° views of network & customer data
- **Data Orchestration** – For risk management, compliance and more
- **Test Data Management** – Speed up development cycles by as much as 80%

## » Summary

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### Fabric was designed to solve the central GDPR problem

- We bring all of the data about a single customer together in a secure micro-database that can act as the central control point for data access
- We're the only solution designed around this unique approach to organizing and storing data
- Fabric provides (out of the box) a complimentary set of tools and capabilities to deliver the enterprise visibility and control to comply

### Compliance can begin immediately

- As soon as you connect Fabric to the first source of customer data, you can demonstrate a clear and compelling path towards pervasive compliance with GDPR requirements
- Fabric is designed for speed, making it possible to show material progress in just a matter of weeks

### Deployment flexibility

- We can accommodate a variety of implementation models to suit the preferences of our clients and partners
- Premise based or a variety of public, private and hybrid cloud configurations including a SaaS model



With your  
permission,  
we'd like to blow  
your minds.

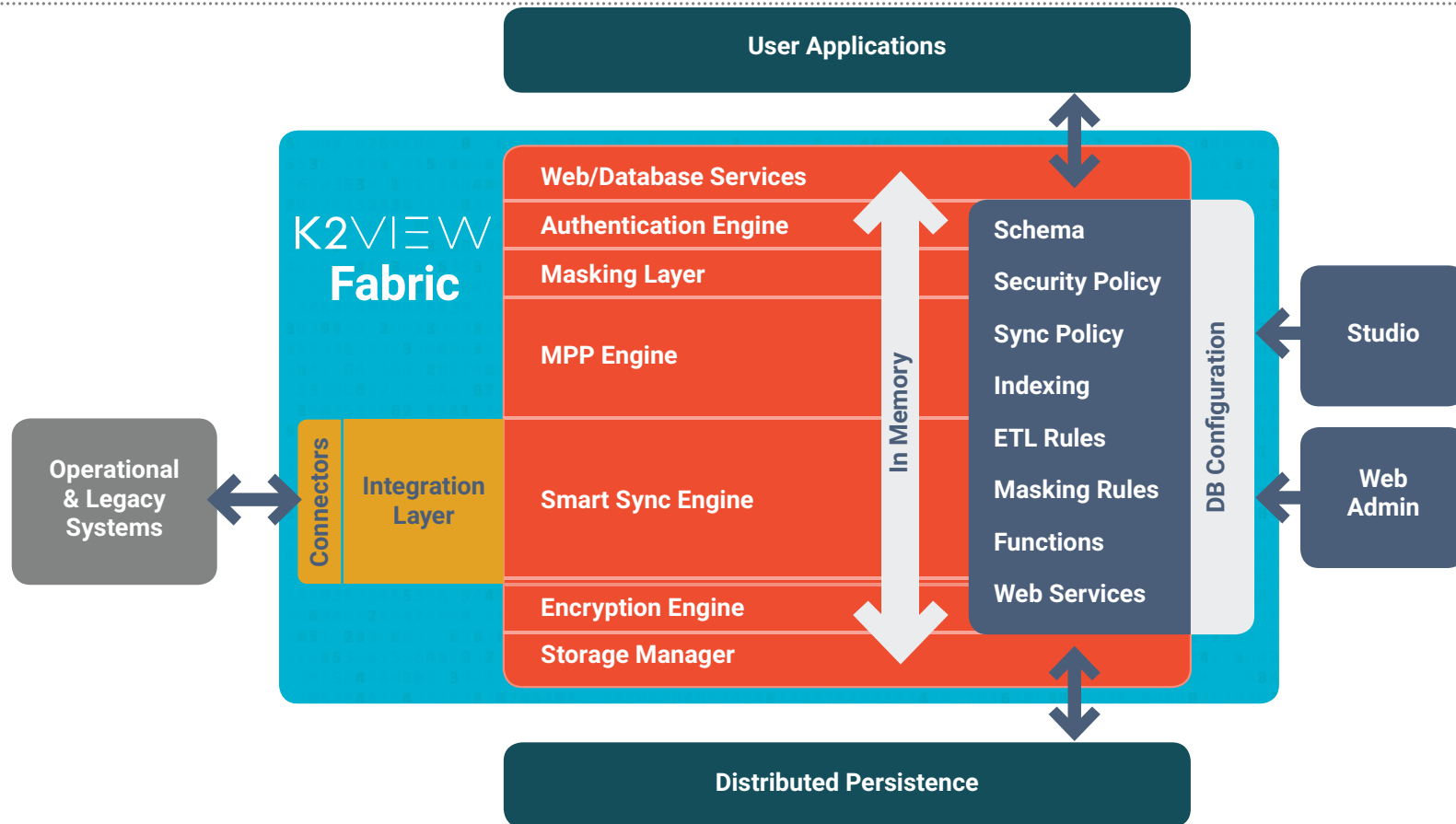
Give us 2 weeks, and we'll  
show you what K2View Fabric  
can do for your GDPR  
compliance initiatives with a  
free Proof of Concept.

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# Appendix

## » K2View Fabric Architecture



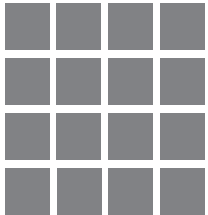


## » Typical hardware specifications

### Hardware Configuration



- 1 Windows Machine (Studio)
- Server 2008/2012
- 4 Cores
- 8 GB RAM
- 100 GB HDD



- 1..n Linux Nodes (Cluster)
- RedHat/CentOS 7
- 8 Cores
- 32 GB RAM
- 1 TB HDD

### Deployment Options

On Premises



In Cloud



Hybrid



On VM



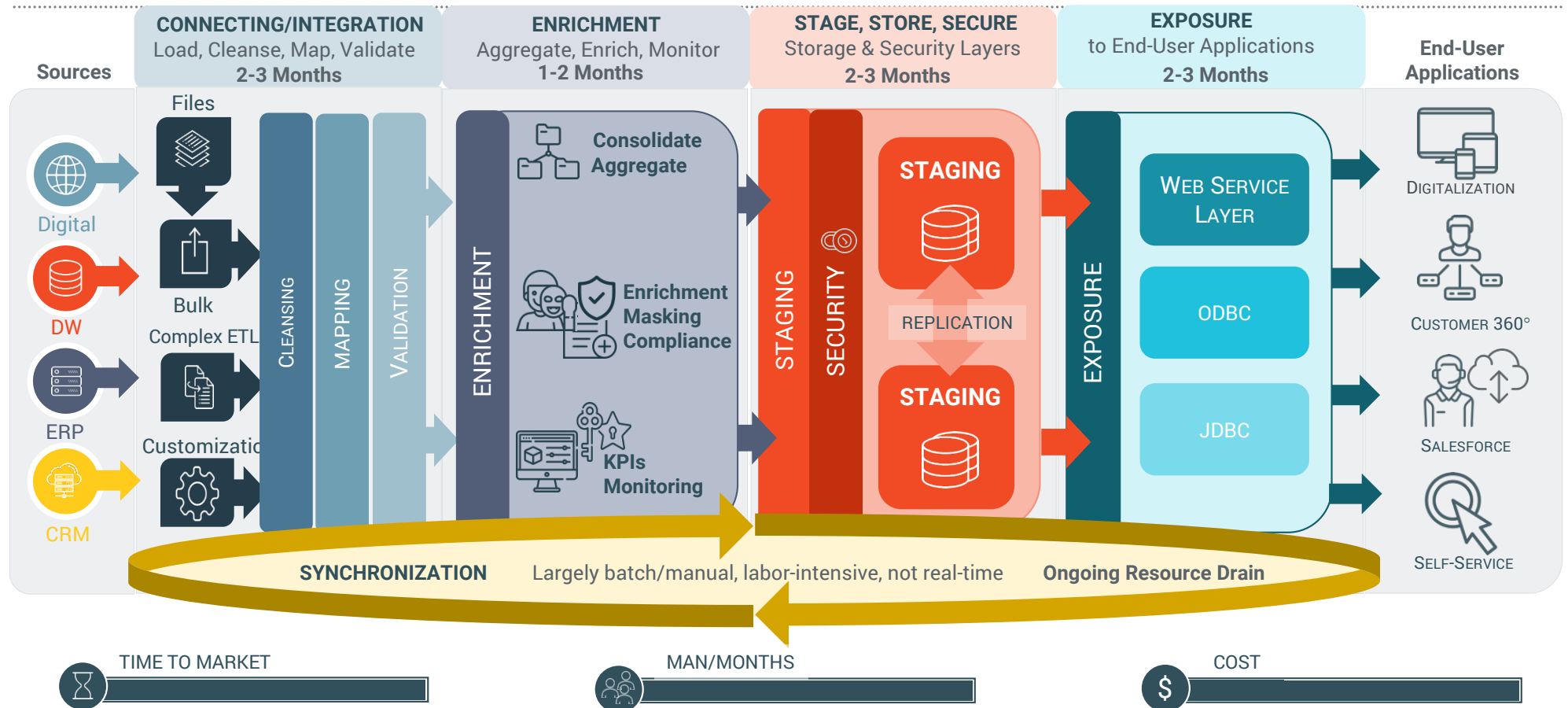
On Physical Machines



Self contained installers

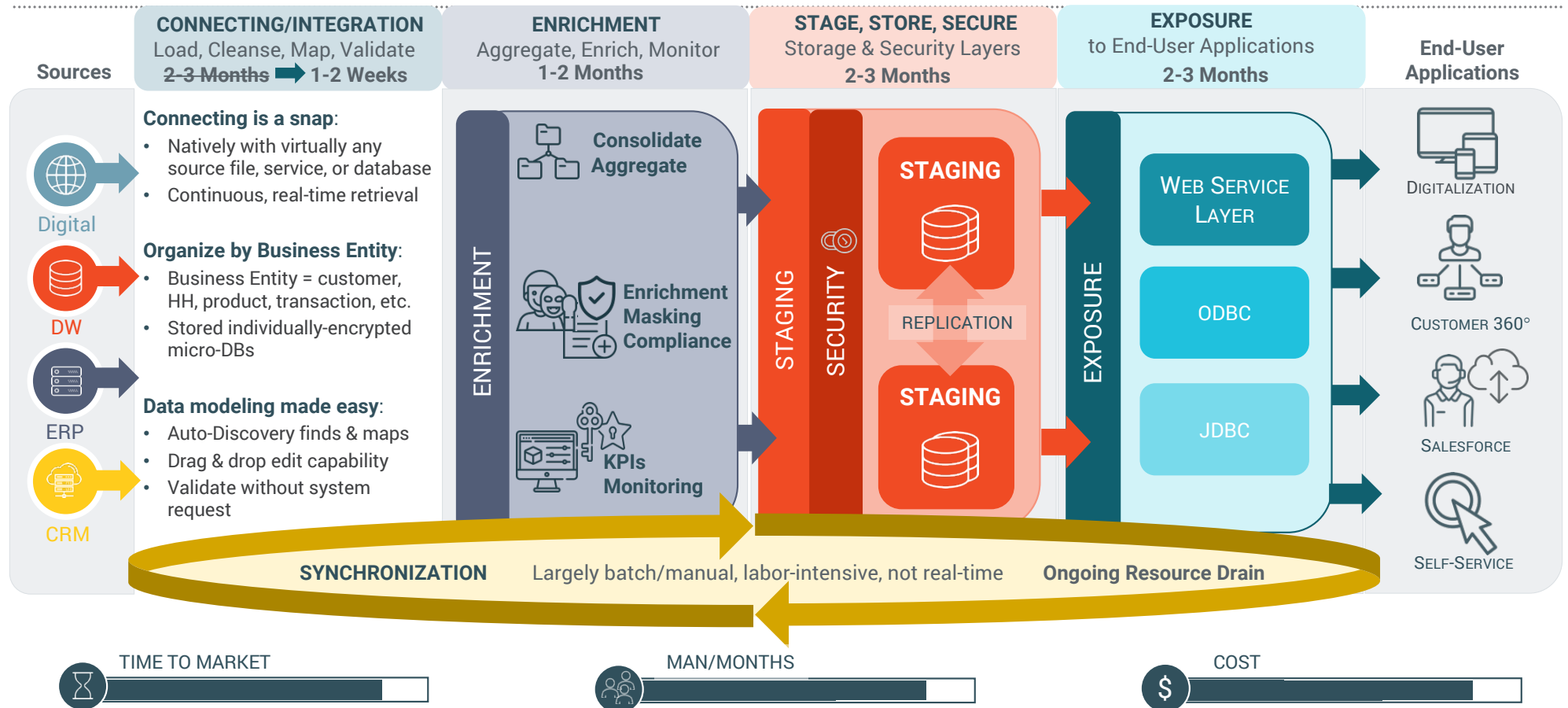


# » Legacy Architectures don't let you innovate fast enough

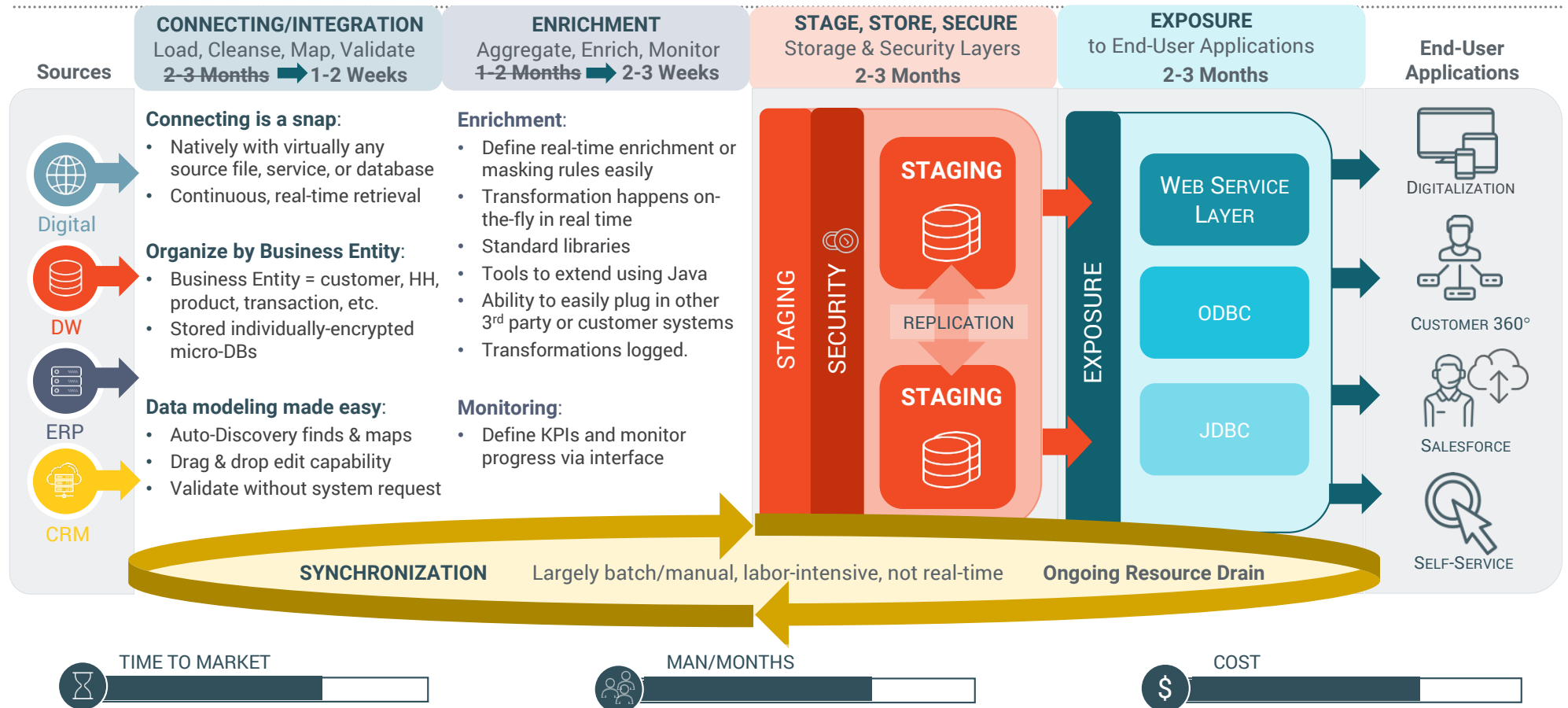


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# » The K2View difference: Connecting & modeling made easy

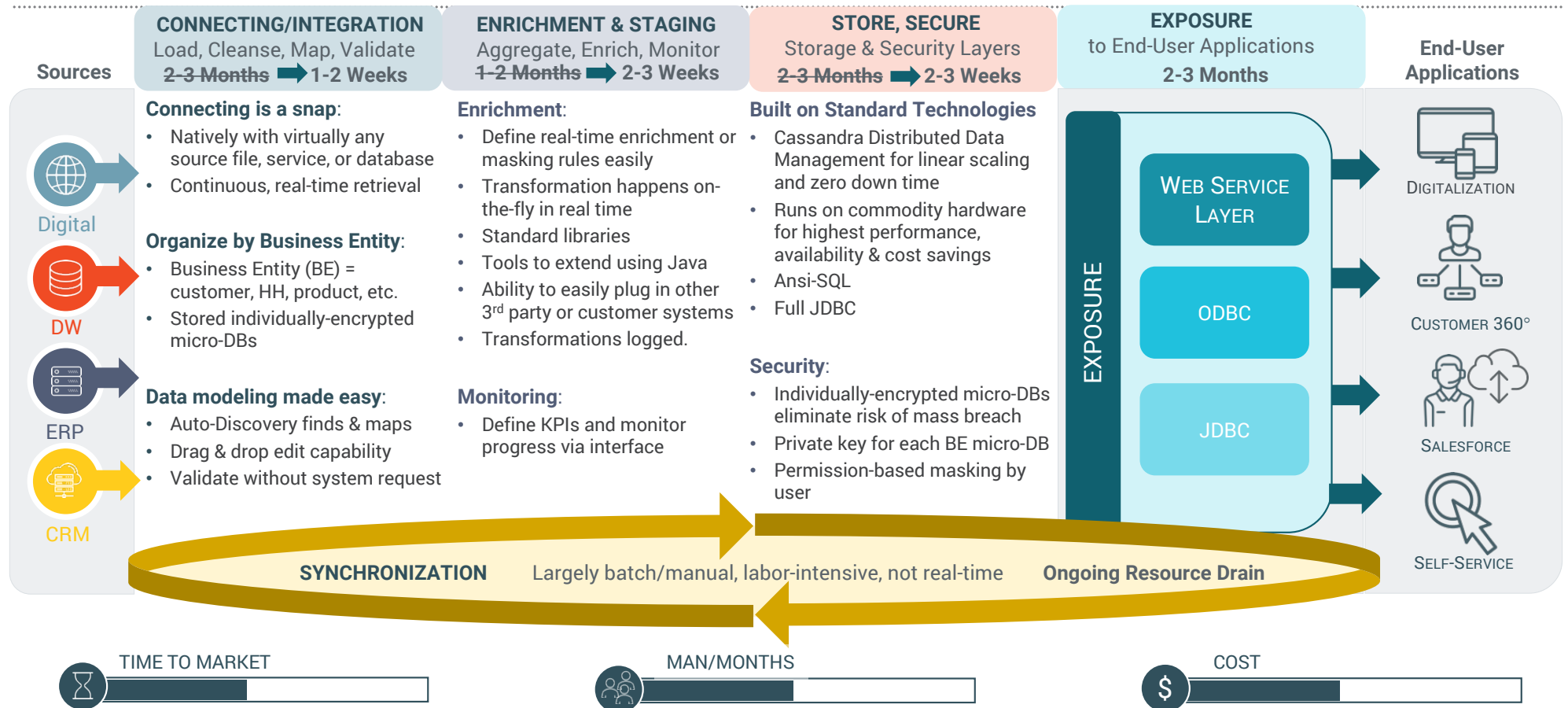


# » The K2View difference: Easily define on-the-fly enrichment



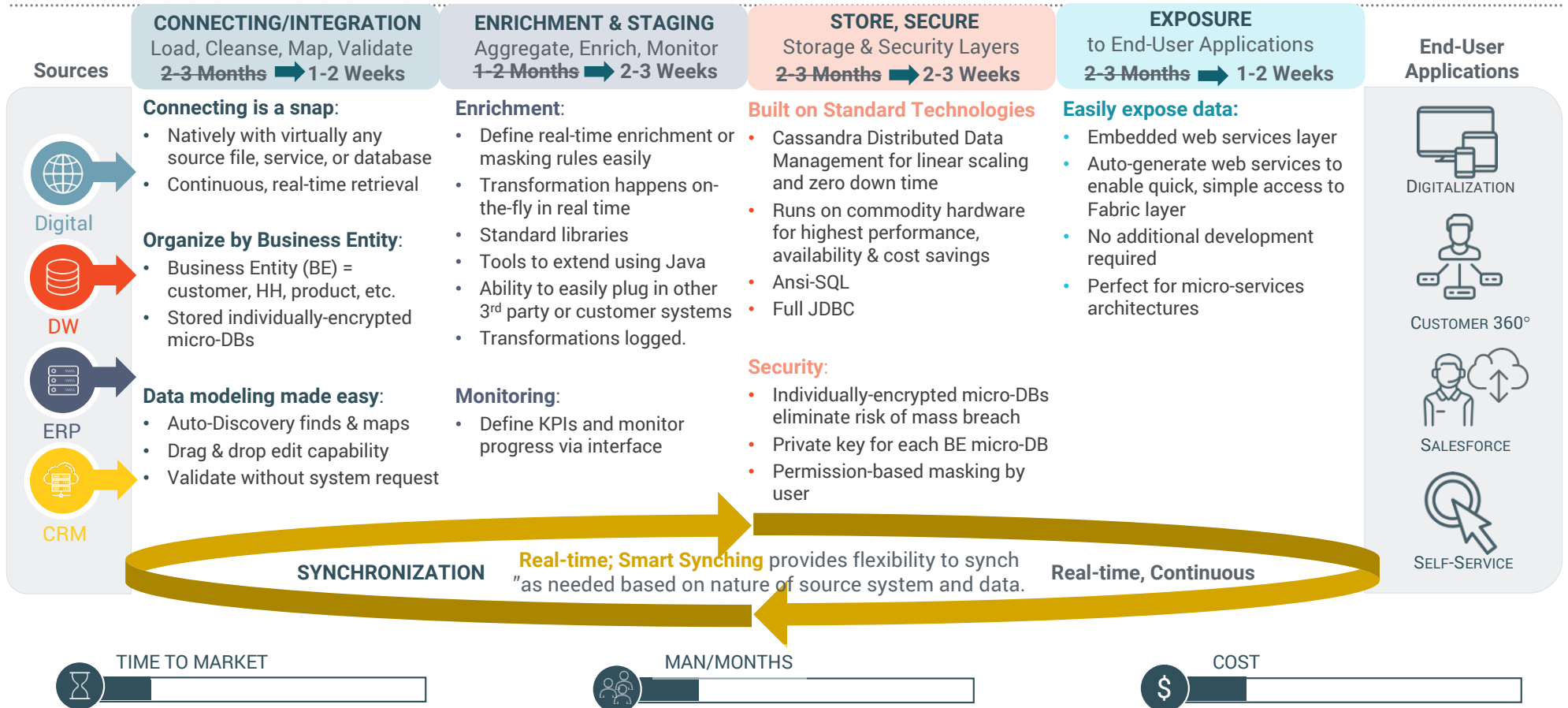
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# » The K2View difference: Standard tech, unsurpassed security

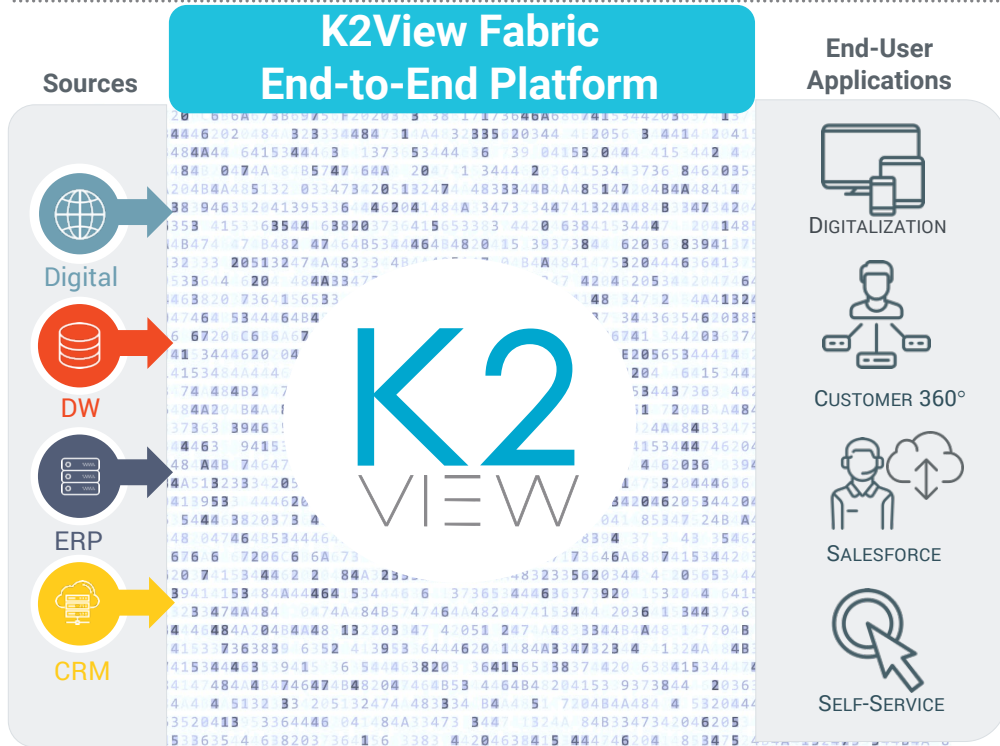




# » The K2View difference: Automated exposure & synching



# » The K2View difference: All the data you need in just weeks



- No complex integrations
- No ETL configuration/set-up
- No system impact/downtime
- No long lead times for data modeling
- No expensive new infrastructure
- No performance or scalability worries
- No risk of mass data breach
- No complex coding of web services
- No manual synching
- No new talent or skills required

40%+ faster time to market

