



redhat.



SAP HANA Integration with JBOSS middleware

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The SAP strategy

SAP HANA is the digital core

Industry Dynamics

SAP S/4HANA

Road Map and Why SAP?

Next Steps

The digital value network **interconnects** all aspects of the value chain in real time to drive business outcomes



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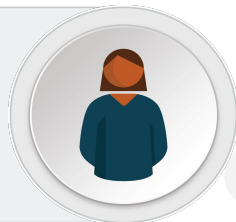
“DIGITAL TRANSFORMATION” SOUNDS GREAT, BUT...

Today's IT Reality

Silos of Information

CUSTOMER FACING APPS

CRM | SaaS | Apps



BUSINESS SUPPORT/SALES

Reports | Budget & Planning | ERP



Need to be
connected for
holistic...

BUSINESS PROCESSES

COMMON FUNCTIONS

HR | Expenses | Legal



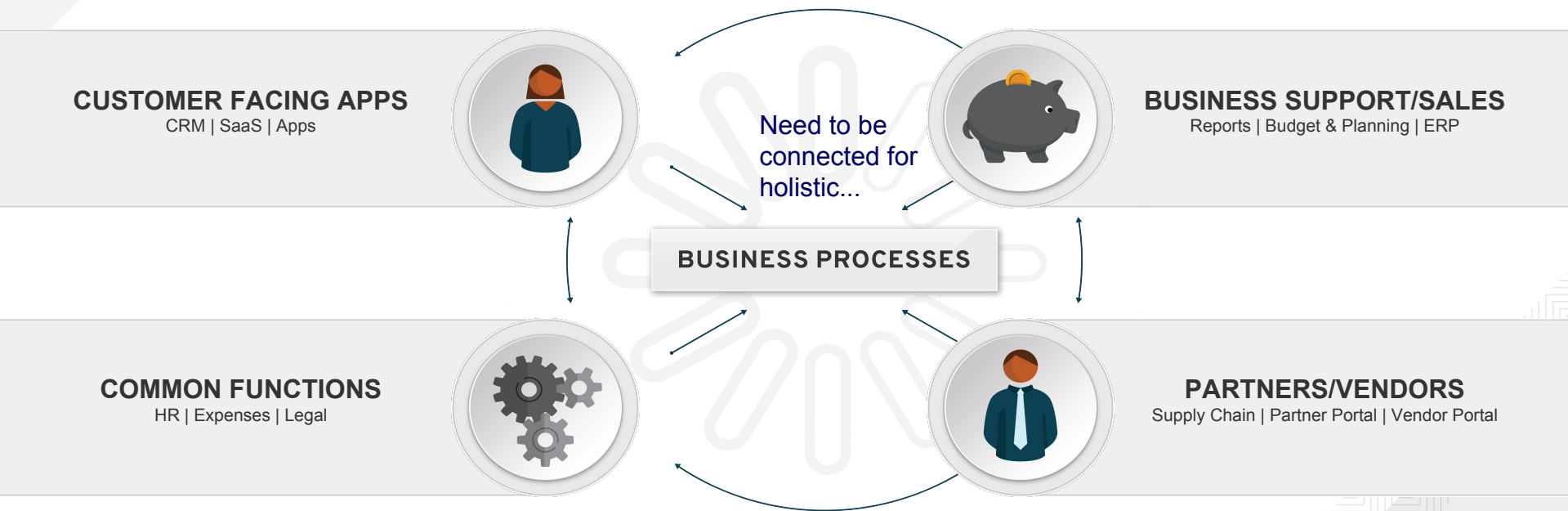
PARTNERS/VENDORS

Supply Chain | Partner Portal | Vendor Portal



Interoperability is a challenge!

Integration Approaches Solve Interoperability Challenges



Integration is essential to connect physical world with digital world!!!

Business And IT Challenges

Inconsistent
Information

Inefficient
Processes

Lack of Visibility
and Control

RESULT: LOW PRODUCTIVITY, MORE ERRORS, AND HIGHER COSTS

Top-3 Goals of SAP Decision Makers

Sustainability

Future-proof SAP Systems

Value through Cloud, SAP HANA, S/4 HANA, Mobile Computing etc. to keep or improve ability to compete

Complexity

Facts + Data

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Risk-free complexity, low costs

Visible, controlled and manageable system landscape with optimized productivity at low(er) costs

Facts + Data

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Facts + Data

Fact based decisions

Business processes are fully transparent and data is fully reliable



Reducing Complexity from a technical perspective

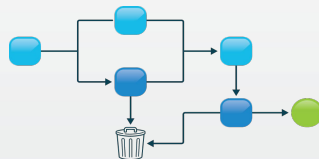
The world is not homogeneous

a lot of things have their own grown history

- Legacy Applications
- Non SAP-Applications
- Old SAP-Systems
- New Technology



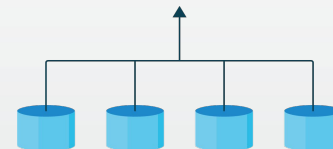
Two Major Integration Types



APPLICATION INTEGRATION

Enable integration of end-to-end business processes across multiple applications

Accelerate development of integrated systems.



DATA INTEGRATION

Enable access to data from disparate systems for a combined, consistent view across the organization

Gain insight, improve business decisions, accelerate development of business intelligence systems.

DIFFERENT BUT COMPREHENSIVE SOLUTIONS REQUIRE BOTH

Integration into SAP HANA

Any Source

SAP Business Suite

Non SAP Data Sources

Cloud Sources

Network Devices

Complex Event
Data Sources

Data Sources
(HANA, Hadoop, Teradata, ...)

SAP Landscape
Transformation

SAP Replication
Server

SAP Data
Services

SQL Anywhere

Smart Data Streaming

Smart Data Access

Smart
Data
Integration

SAP Tools

Move, Transform, and Persist Data

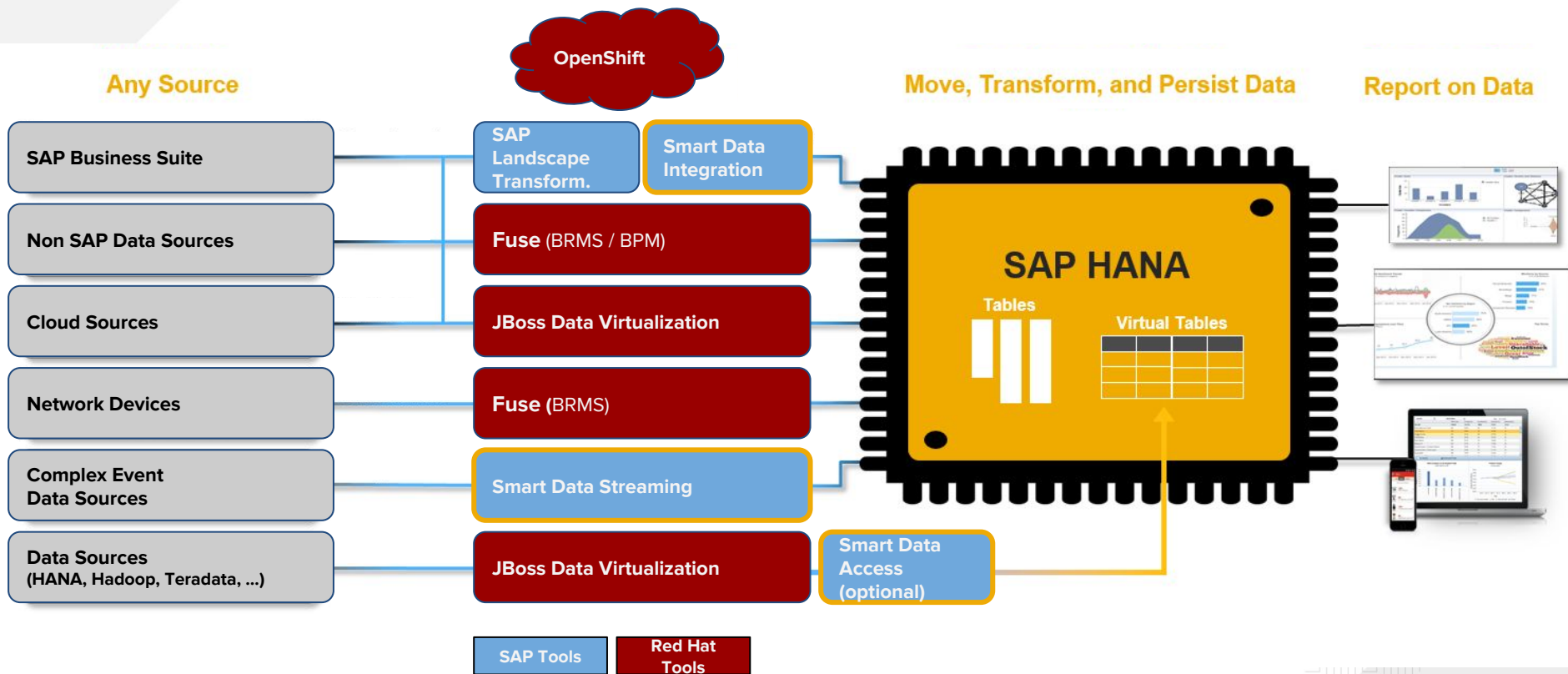
SAP HANA

Tables

Virtual Tables

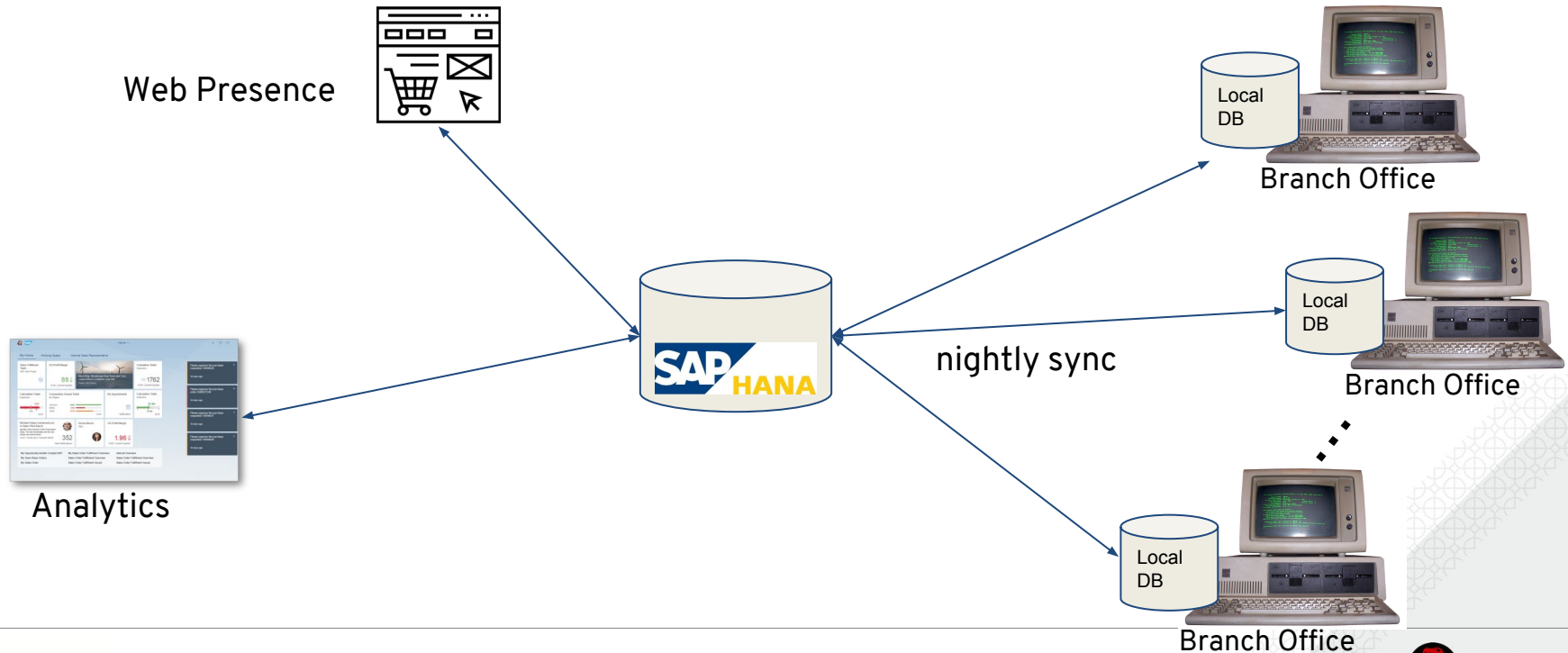
Report on Data

Integration into SAP HANA



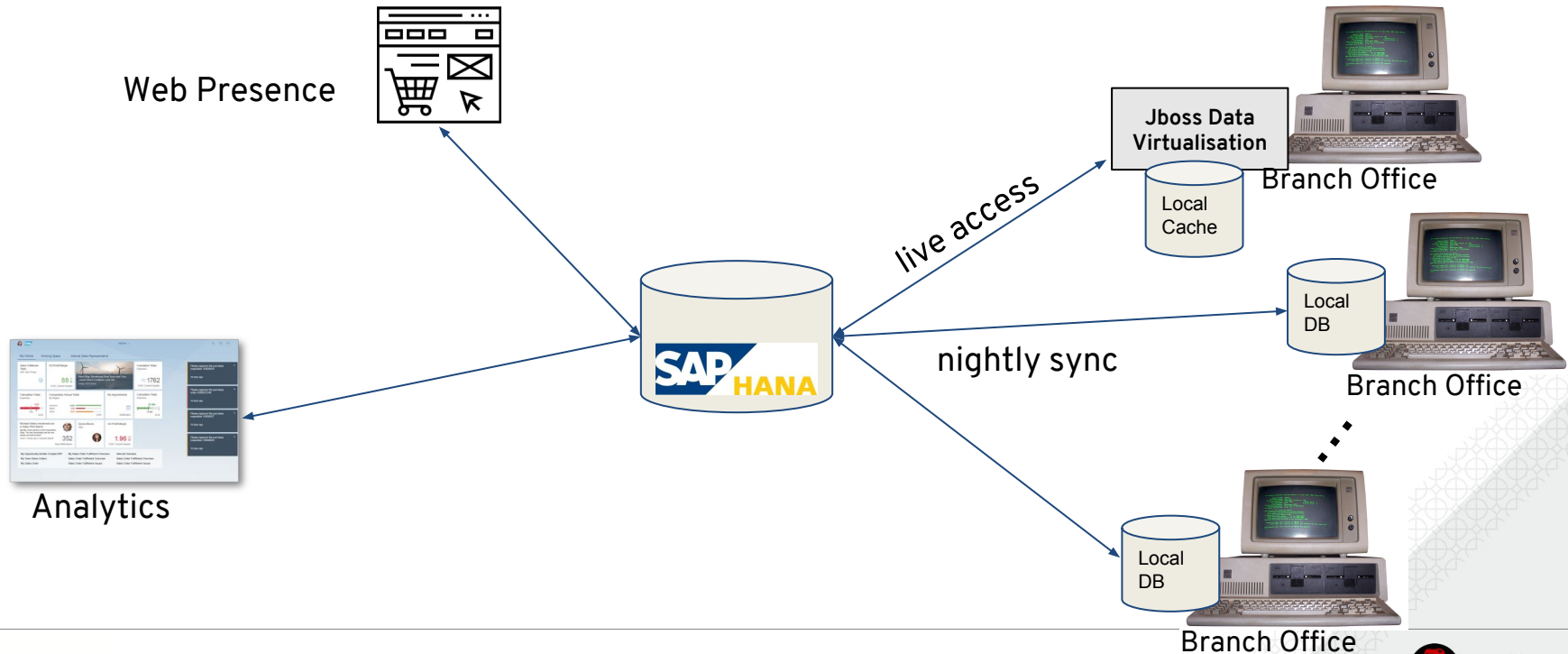
Life Access To Existing Data

not existing in branch office



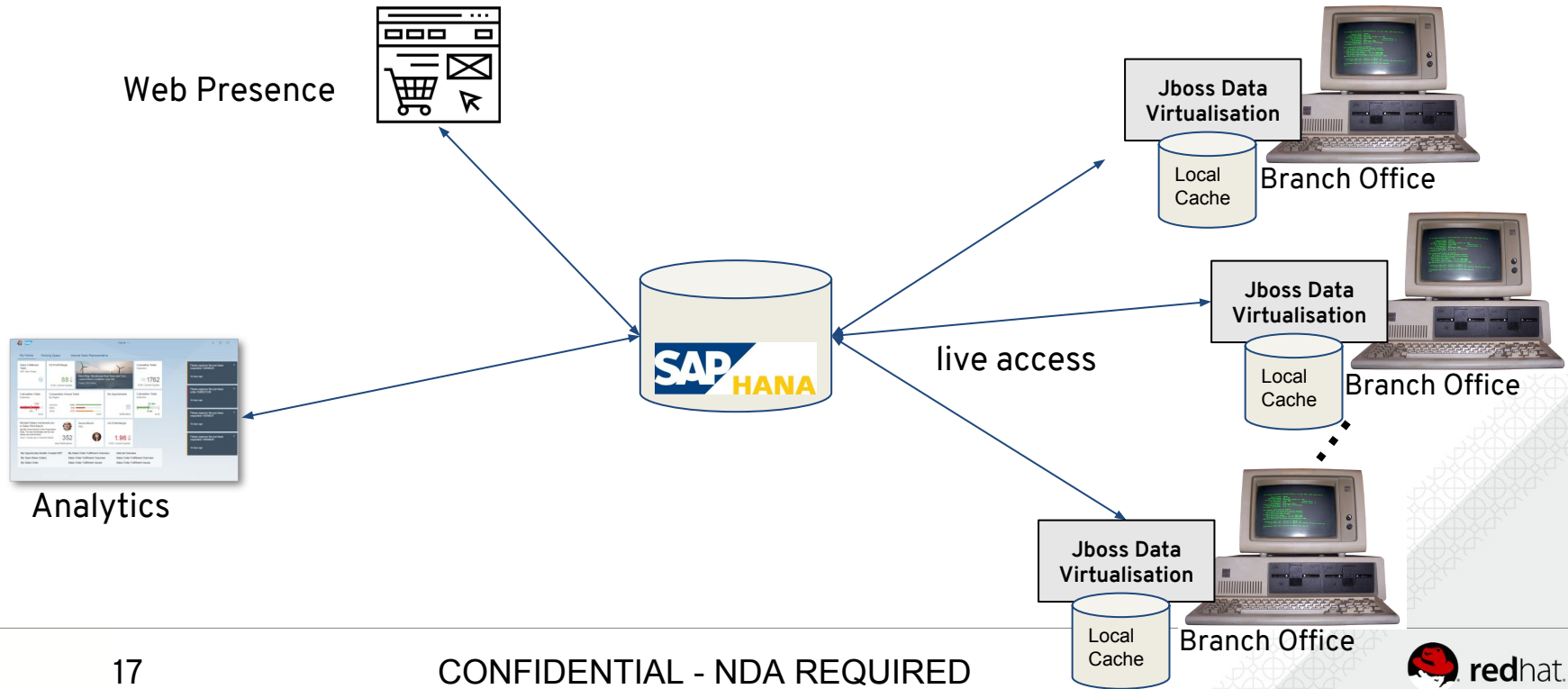
Life Access To Existing Data

with no change to the local application



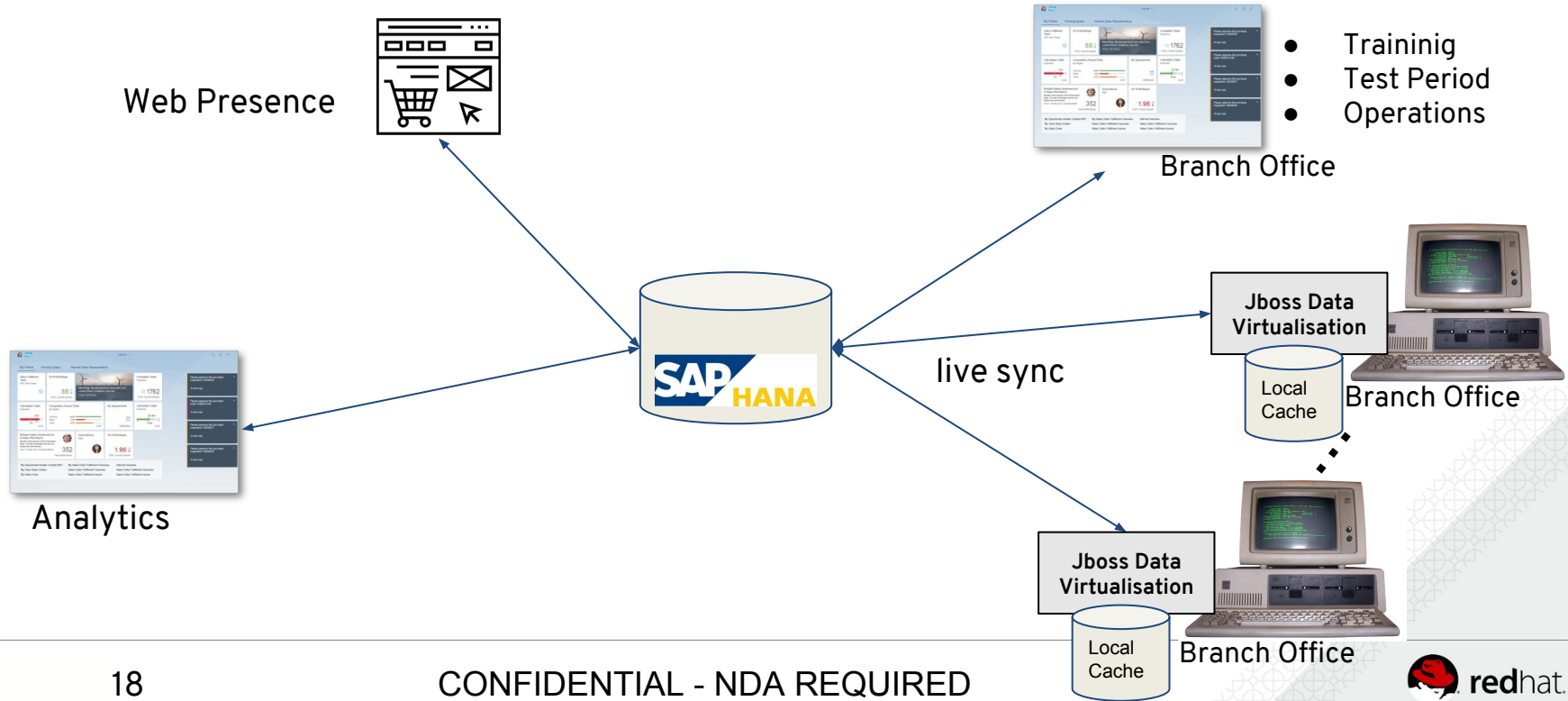
Life Access To Existing Data

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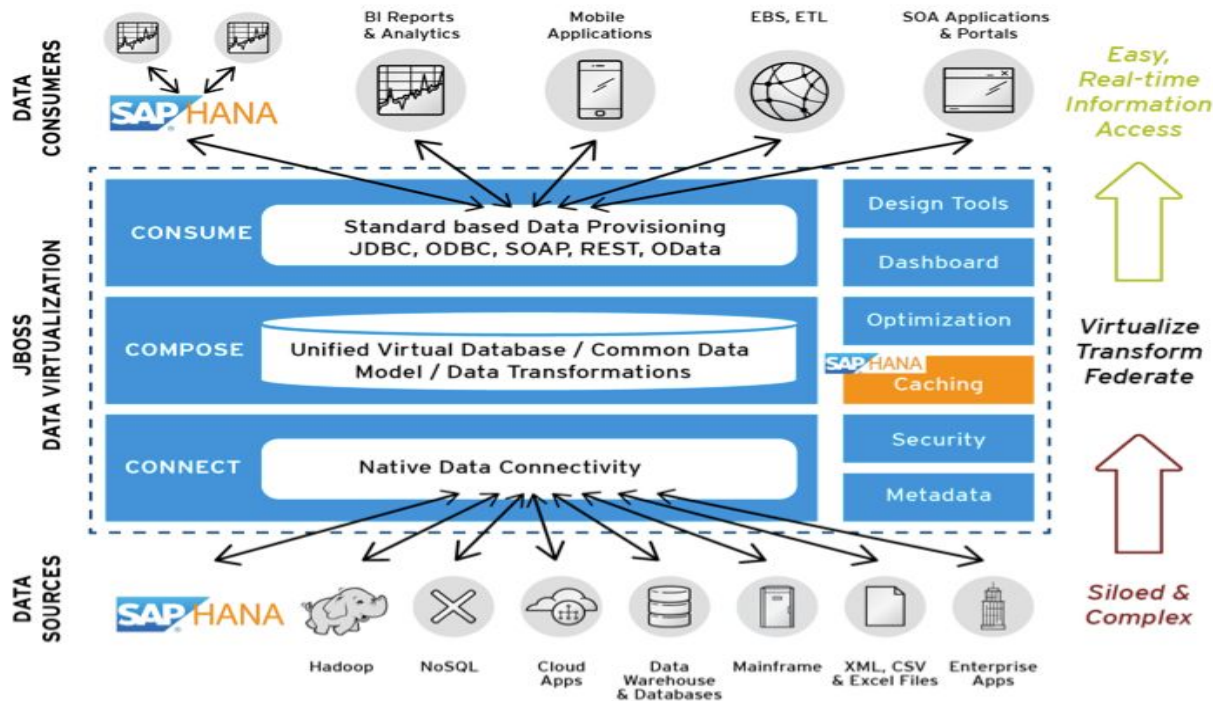


Life Access To Existing Data

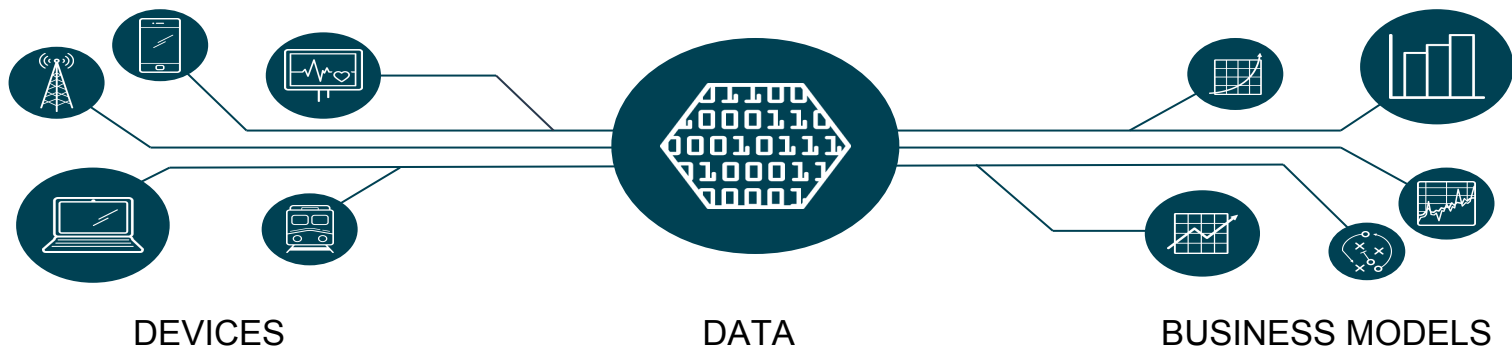
switch to new application from SAP



JBoss Data Virtualization



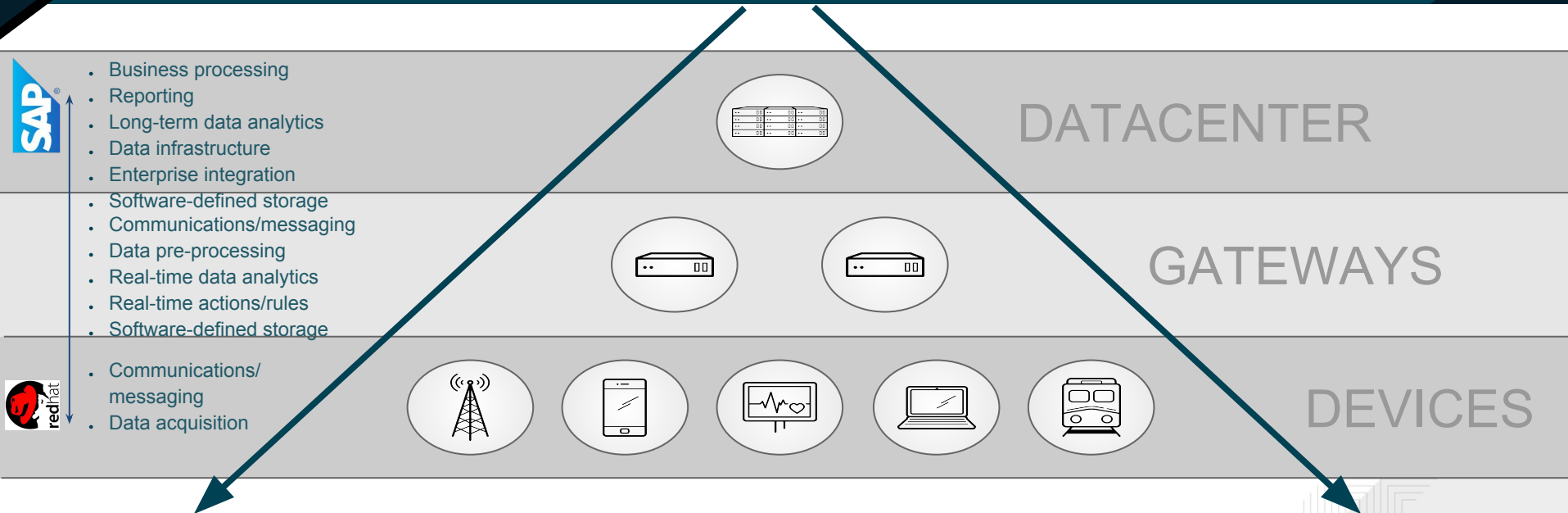
The Data Driven IoT



Devices are the eyes and ears of the intelligent system, not its brain

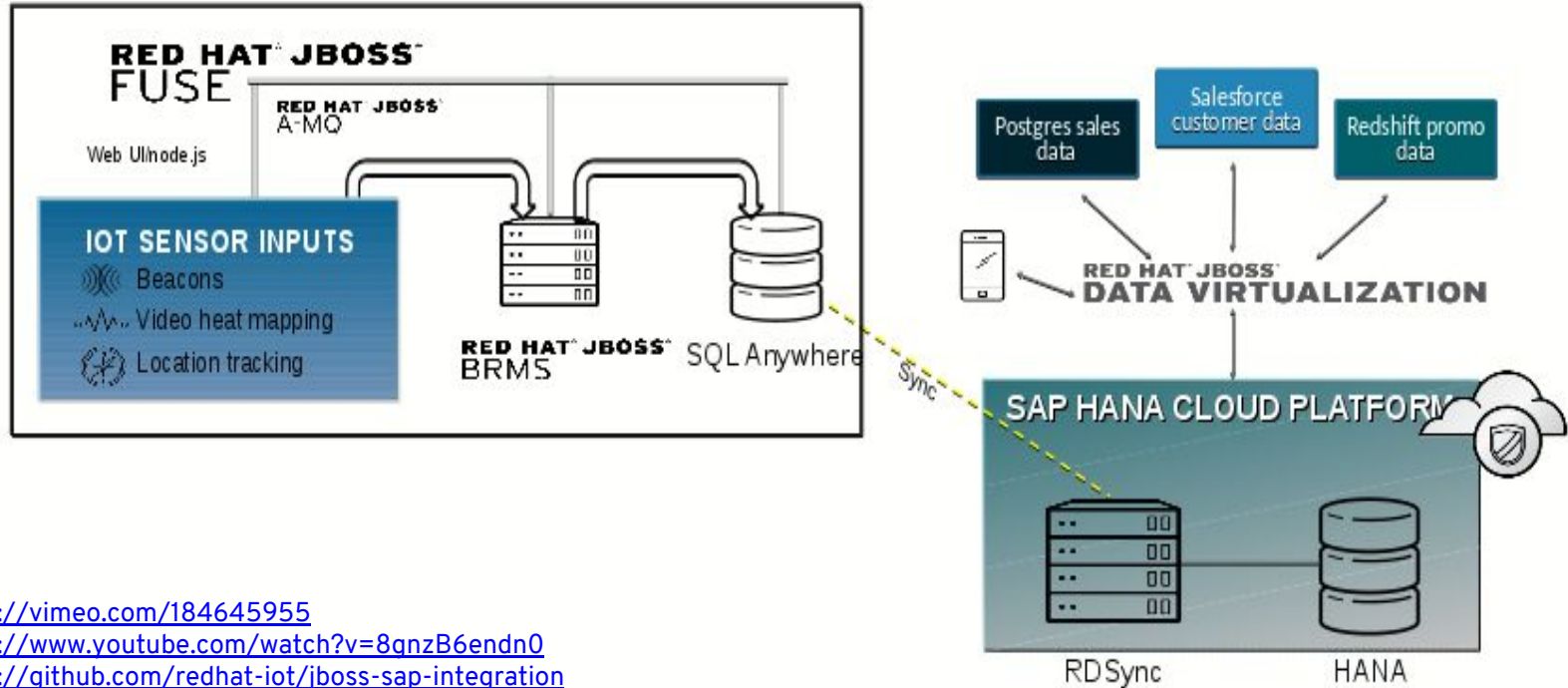
Enterprise IoT Architecture

DRIVING DATACENTER FUNCTION TO THE EDGE



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IoT Prototype Built with RedHat



<https://vimeo.com/184645955>

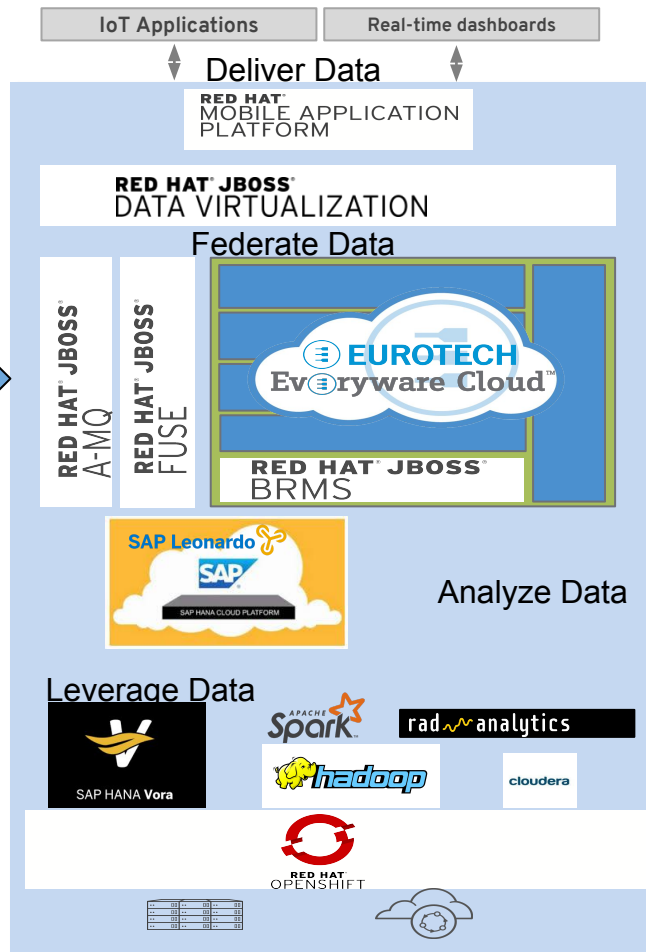
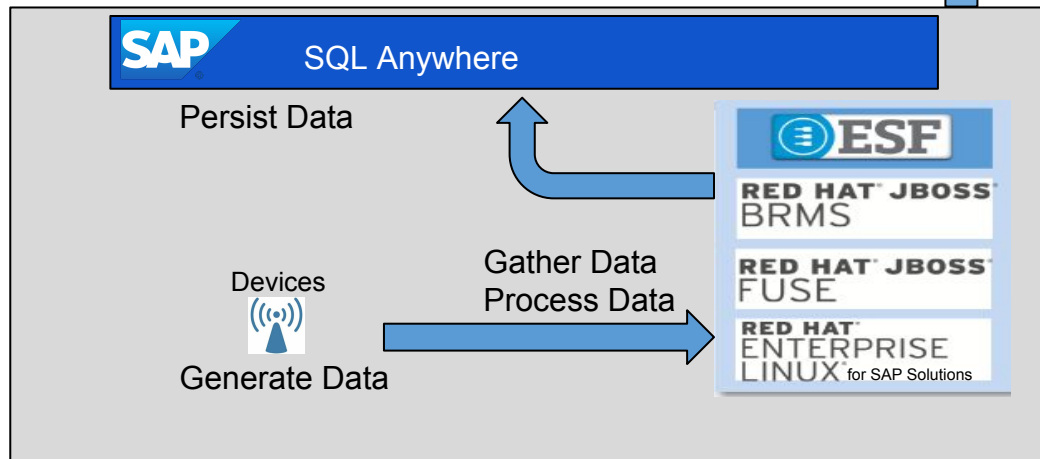
<https://www.youtube.com/watch?v=8qgzB6endn0>

<https://github.com/redhat-iot/jboss-sap-integration>

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Intelligent Edge

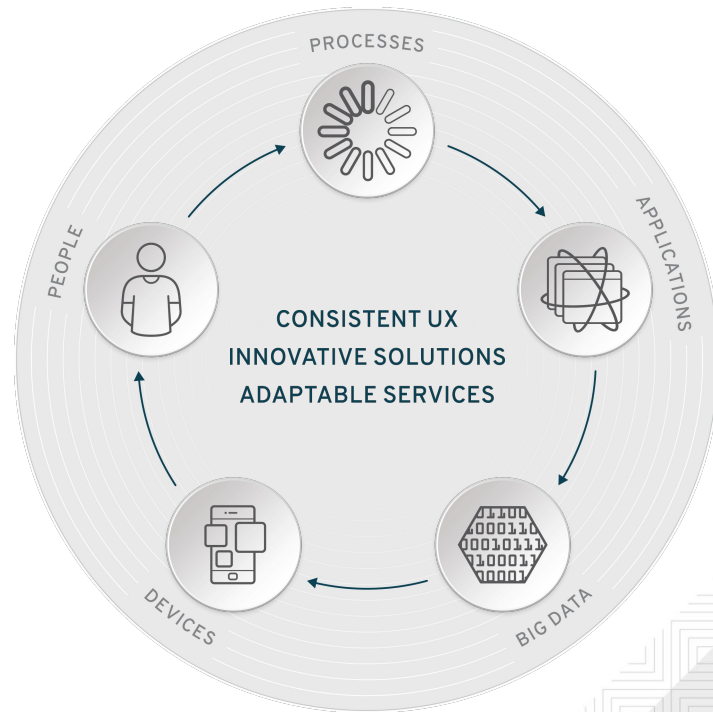


The Connected Enterprise

RED HAT'S INTEGRATION VISION

Consistent connection of information across where ever they are—data center, remote branches, IoT, or Cloud, with unified compliance and governacne

CONNECT THE PHYSICAL WORLD
WITH THE DIGITAL WORLD





THANK YOU