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Accelerate migration & drive innovations with Red Hat solutions for SAP

September 2018

Red Hat & SAP alignment

SAPs Key Offerings	Red Hat Value	… delivered by	Red Hat Offerings
SAP HANA	Making the **Datacenter** efficient	automate manual tasks and speed up deployment and changes. Avoid errors and downtime with predictive analytics	**RHEL** **Insights** **RHV** **Ansible** **Cloudforms** **Fuse** **Decision Manager** **Openshift**
SAP S/4 HANA	Making **Hybrid IT** simple	providing hybrid cloud management with governance and policy based control, enabling e.g. self-service functionalities, chargeback, etc.	
SAP Leonardo	Powering **Intelligent Edge**	integrating non-SAP solutions and sources and unlock the value of enterprise data	
SAP Data Hub	Enabling **new business insights** from Big Data	streamline development, modernization and delivery of SAP extensions with container technology and microservices	

Accelerate migration & drive innovations

Speed up your S/4 HANA migration

Increase data center efficiency

Make hybrid IT simple

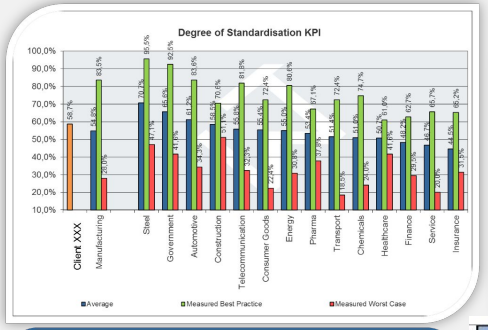
Power the intelligent edge

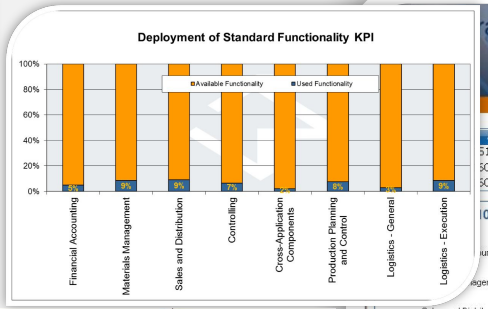
Enable new business insights

TYPICAL CHALLENGES - PROCESS & TECHNOLOGIES

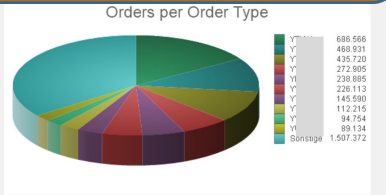
From mature SAP landscape to Digital Excellence - But how?

Results are mix of executive overview and detailed data

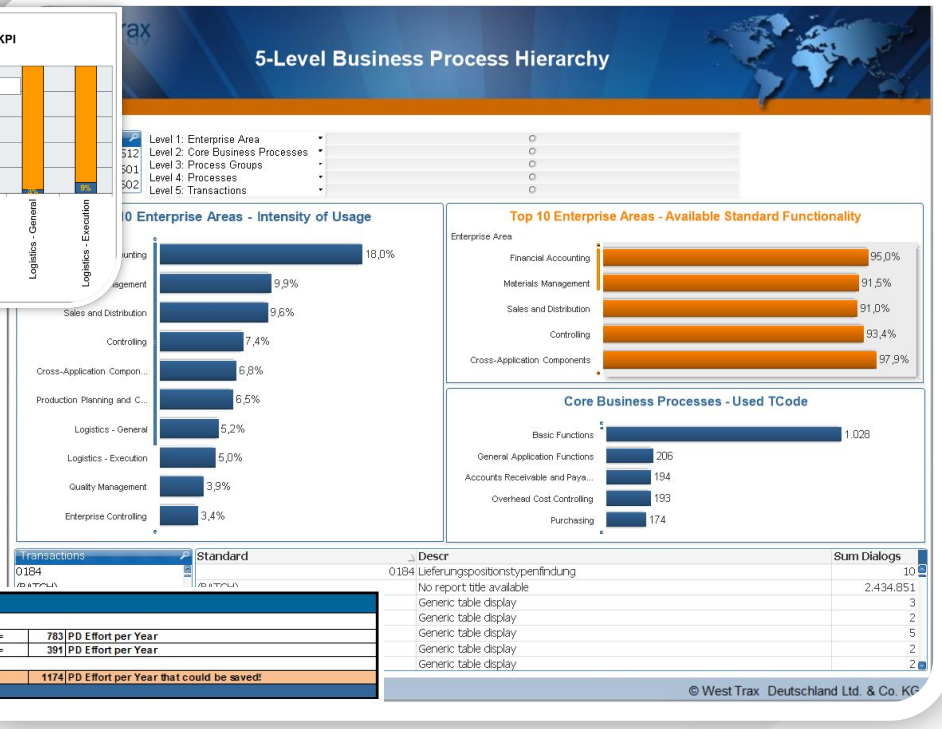




- Number of Sales Order Documents: 4.278.185
  - Existing Order Types: 639
  - Used Order Types: 268
  - Y/Z-Order Types used: 268



Transaction	Description	Dialogs
CK13	Anzeigen Erzeugniskalkulation	189
CK13N	Anzeigen Materialkalkulation	27.731
CN43	Übersicht: PSP-Elemente	8
CN43N	Übersicht: PSP-Elemente	187
CO11	Erfassen Lohn-Rückmeldeschein	384.397
CO11N	Einbilderfassung Rückmeldung	15
CO16	Rückm.: Nachbearbeitung Fehlersätze	32
CO16N	Nachbearbeitung Rückmeldung	4
CV01	Anlegen Dokumentinfosatz	23
CV01N	Dokument anlegen	145.742
CV02	Ändern Dokumentinfosatz	24
CV02N	Dokument ändern	36.488
CV03	Anzeigen Dokumentinfosatz	10
CV03N	Dokument anzeigen	208.577



Calculation of Yearly Savings in Person Days (PD)

391	used CC no longer needed x	2	PD Effort	=	783 PD Effort per Year
3131	unused CC no longer needed x	0,125	PD Effort	=	391 PD Effort per Year
			Sum Efforts		1174 PD Effort per Year that could be saved!

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Value Proposition

- neutral, facts based & automated assess
  ➔ Transparency

- common understanding b stakeholders
  ➔ shorten the mi by hundreds of days
  ➔ reduce w gged custom code
  ➔ pre ernized technologies around HANA Architecture

- een proven to work by 1600 assessments

Best Practice - recommended by SAP

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Signs of Potential Efficiency Improvents

"Applications and infrastructure are changing too fast."

"Our network operations team is stretched thin with constant configuration changes."

"I can't keep up with patching and security advisories."

"We need better audit and change control to protect our business."

"Existing IT ops staff and processes can't keep up with the scale of digital business."

Source: Scenarios based on conversations with Red Hat Consulting customers

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SAP HANA standard installation process

HARDWARE > LINUX (OS) > SAP HANA > VALIDATION > MAINTENANCE

- On Site construction
- Installation & Configuration
- Installation & Configuration
- Validation & Customization
- Maintenance & Updates

Individually for each server and environment!

SAP HANA optimized installation process with Ansible

- On Site construction
- Installation & Configuration
- Installation & Configuration
- Validation & Customization
- Maintenance & Updates

Automation for the whole environment

Link to Ansible SAP Playbooks

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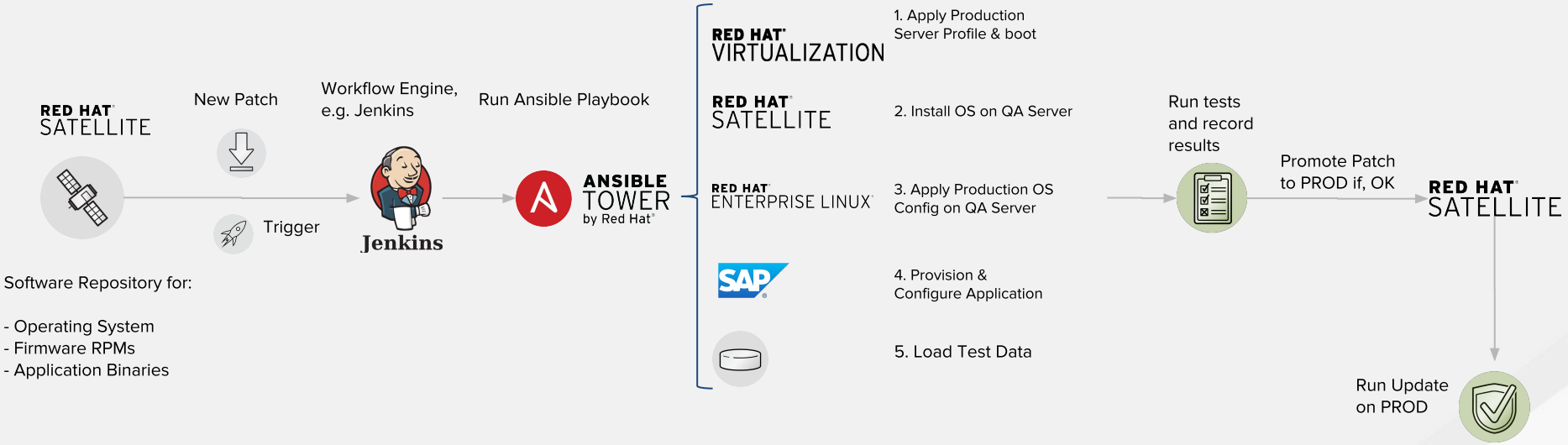
Use Case: reduce risk of patching SAP landscapes



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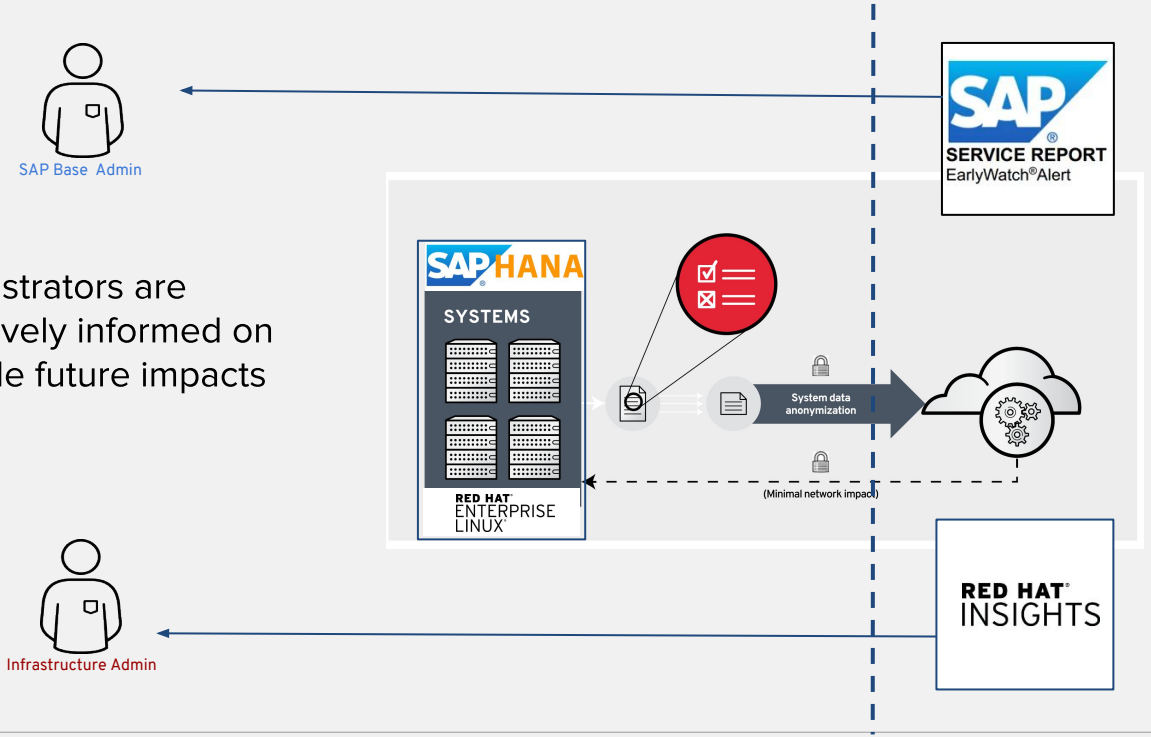
Red Hat Insights: proactive resolution



Administrators are proactively informed on possible future impacts

SAP EARLY WATCH

- proactive application monitoring
- top down view
- ML in SAP datacenter

Red Hat Insights

- proactive infrastructure monitoring
- bottom up view
- ML in Red Hat datacenter

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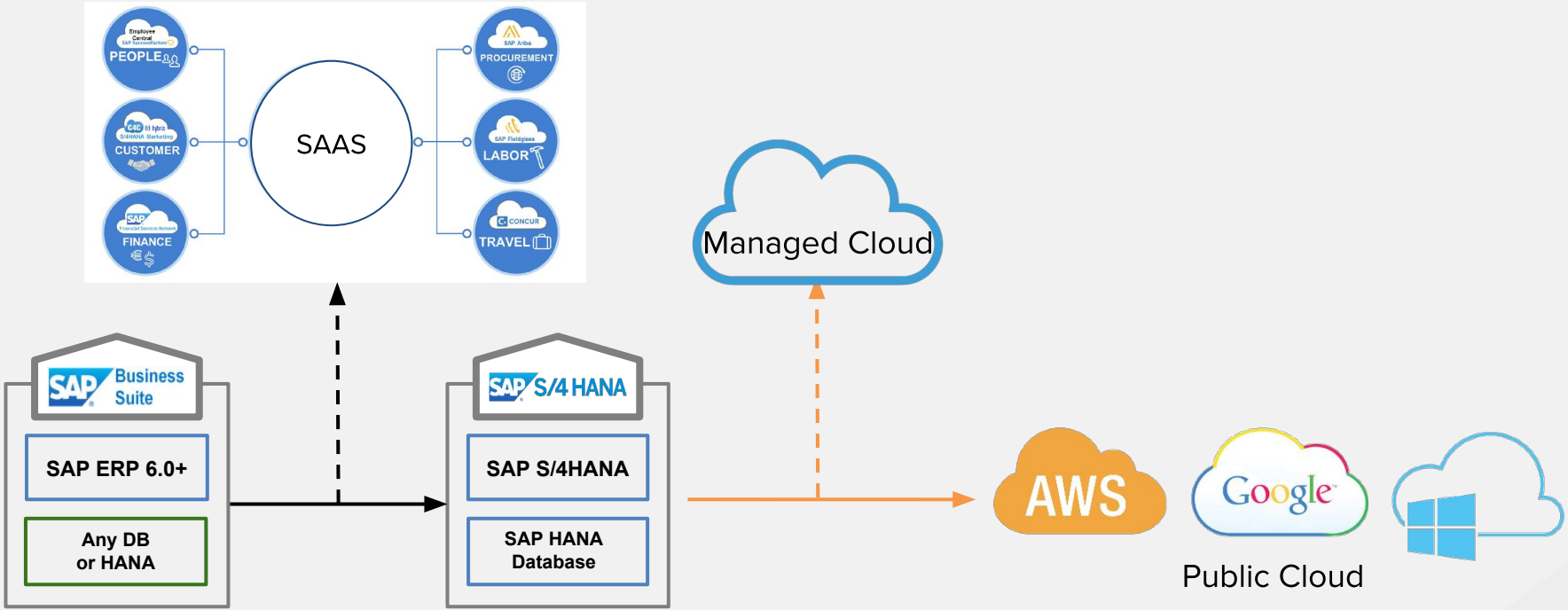
100% of SAP Customers will be hybrid by 2025

What will happen to SAP ERP?



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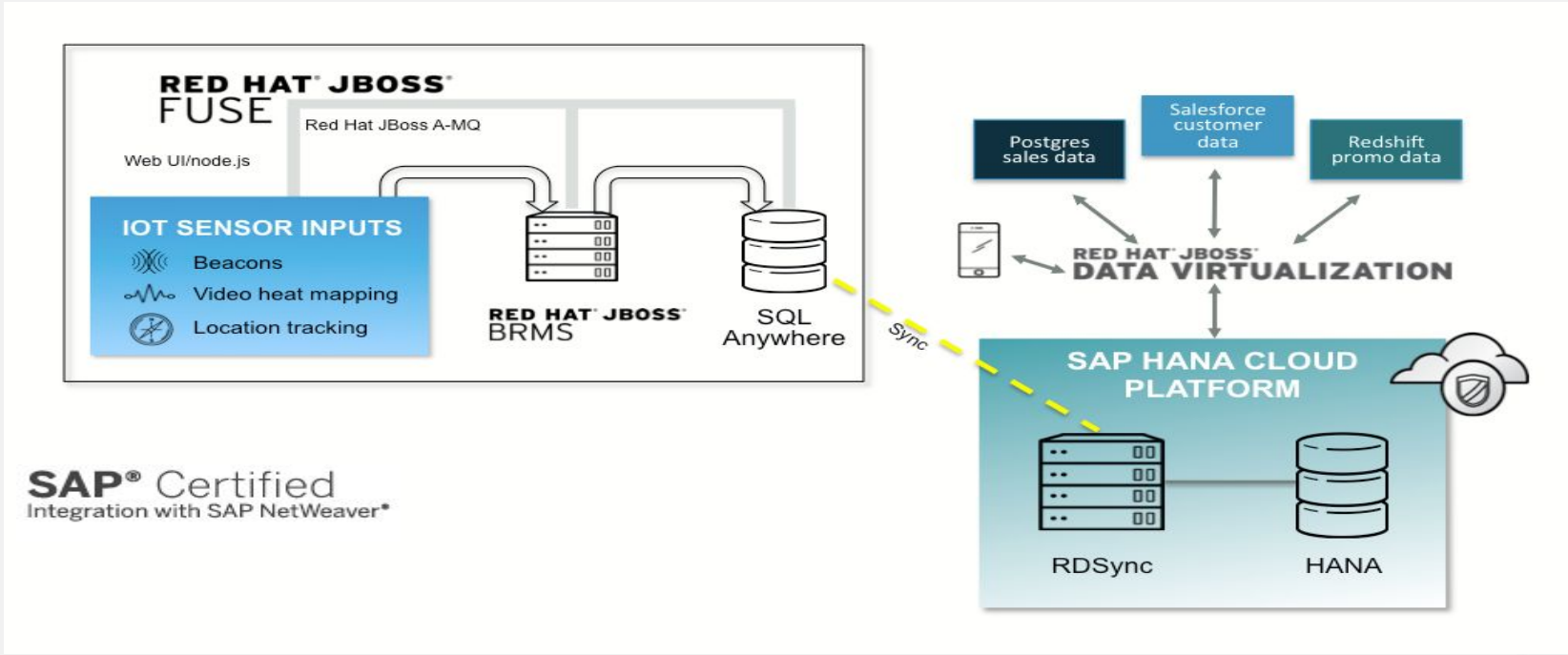
Another example to see how you could obtain advantage...

A retailer wants to:

- Identify high-value customers in the store
- Influence customer response **in real time**
- Use real-time data combined with historical customer data to increase revenue/margin from customers
- Get valuable insight in real time and make decisions even when running in disconnected mode from the center
- Maintain low-cost software-defined video storage at the store

IoT solution built with SAP



https://www.redhat.com/en/about/videos/iot-and-big-data-red-hat-jboss-middleware-and-sap-hana
https://vimeo.com/184648850

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Value Proposition

- Bridge the gap between IT and OT by driving intelligence outside of the data center
- enabling secure collection, transformation, and processing of data generated from any connected IoT device
- Transforming device data into actionable information

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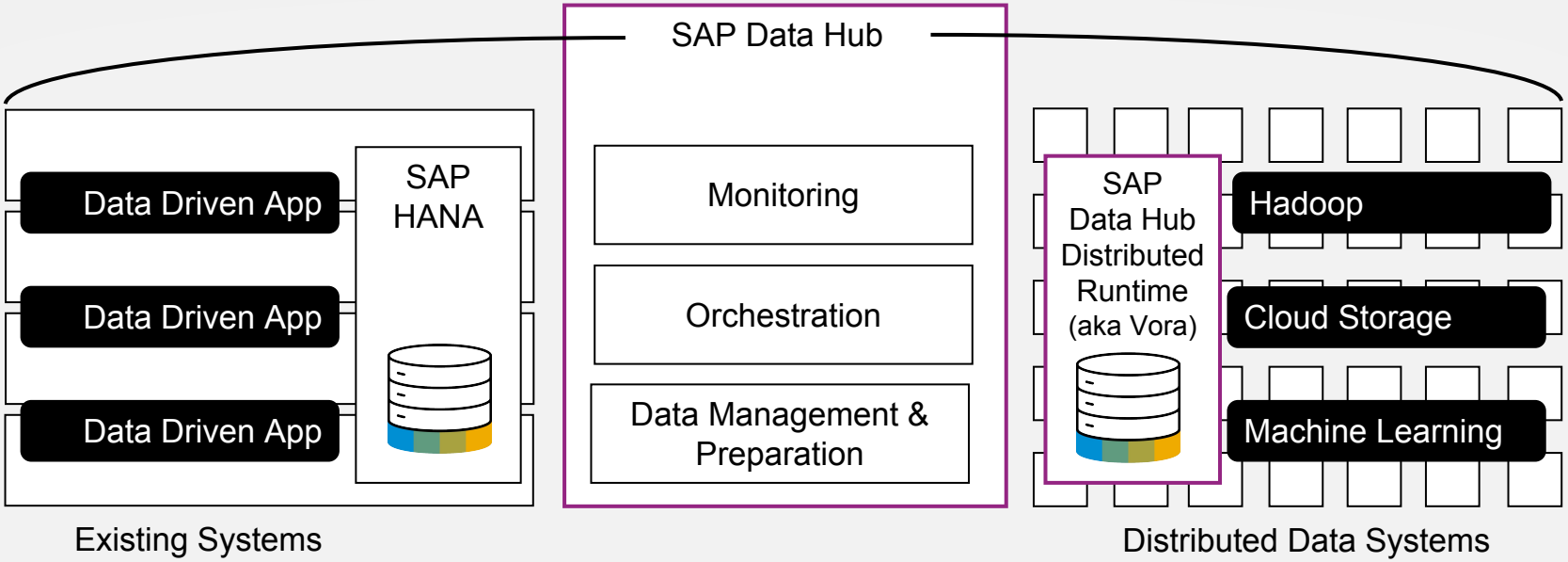
A global study of enterprise data challenges and solutions

Businesses leaders continue to believe that fragmented, siloed IT environments block their ability to make informed business decisions

- **74 %** of IT leaders said their data landscape is so complex that it limits agility
- **86 %** said they were not getting the most out of their data.
- **50%** believe that data is inaccessible to a wide variety of business stakeholders

Source : http://news.sap.com/wp-content/blogs.dir/1/files/SAP_Data-2020-Study_Infographic.pdf

Unify data silos with SAP Data Hub powered by OpenShift



Red Hat Enterprise Linux for SAP Solutions | Red Hat OpenShift Container Platform | Red Hat Enterprise Linux

ON-PREMISE | CLOUD | HYBRID

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Addressing top challenges of running SAP Vora containers at scale

OPERATIONAL EFFICIENCY

SERVICE HEALTH

SECURITY & COMPLIANCE

FINANCIAL MANAGEMENT

How SAP and Red Hat deliver better business outcomes

Your next project

1. Making HANA the digital core

   SAP S/4 HANA

2. Managing hybrid IT.
   Your choice of where to deploy.

Private Cloud, Managed Service	Public Cloud Infrastructure-as-a-Service	Public Cloud, Pay-as-you-go

3. Gaining insights from a universe of connected devices

   SAP Leonardo

4. Unleashing the value of your enterprise data

   SAP Data Hub

Business Outcomes

- **Fastest Time to Value:**
  - Speed-up deployments
  - Achieve your SLAs: avoid errors and down-time, reduce TCO
  - Increase flexibility: provide hybrid cloud and self-service
- **Unleash the value in enterprise data:**
  - Integration between SAP and non-SAP solutions and sources: *make HANA the digital core*
  - Integrate your non-SAP data with SAP DataHub
- **Accelerate Innovation:**
  - cut down time and cost of S/4HANA migration up to 60%
  - Deliver faster with containers and micro services, streamline development, including SAP custom code
  - faster access to infrastructure resources: hybrid cloud and self-service functionalities

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