SAP BTP Webinar

Boost Operational Efficiency with SAP AI Business Services – A focus on Document Information Extraction

THE BEST RUN SAP

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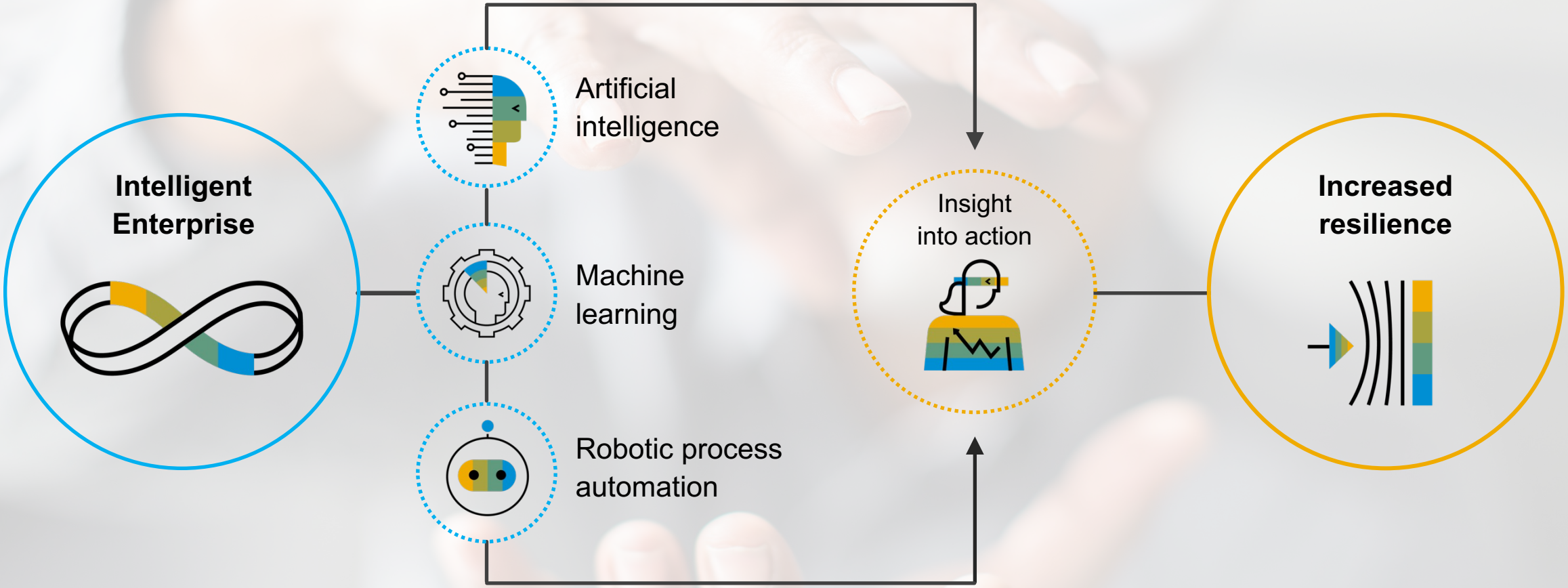
62% of accounts payable costs come from labor.
Source: APQC, 2015 "AP Process Cost Per Invoice Processed"

Innovative Technologies Support Business Resilience



SAP Business AI approach

Relevant. Reliable. Responsible.

Finance | Supply Chain | HR | Procurement | Marketing and Commerce | Sales and Services | IT

Joule

A copilot that truly understands your business

Embedded AI capabilities

- Cloud ERP
- Human capital management
- Spend management and business network
- Customer relationship management
- Business Technology Platform

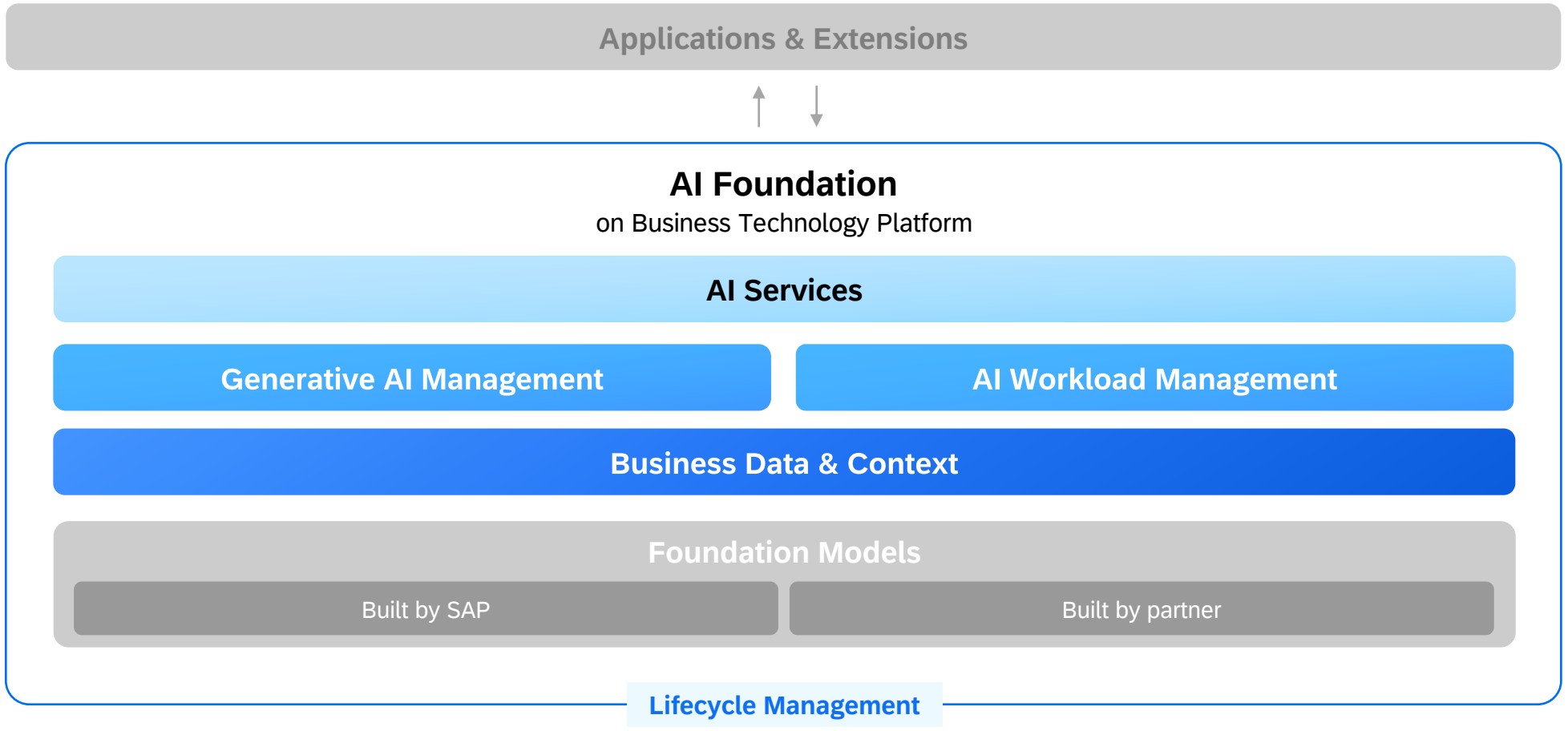
AI Foundation

on Business Technology Platform

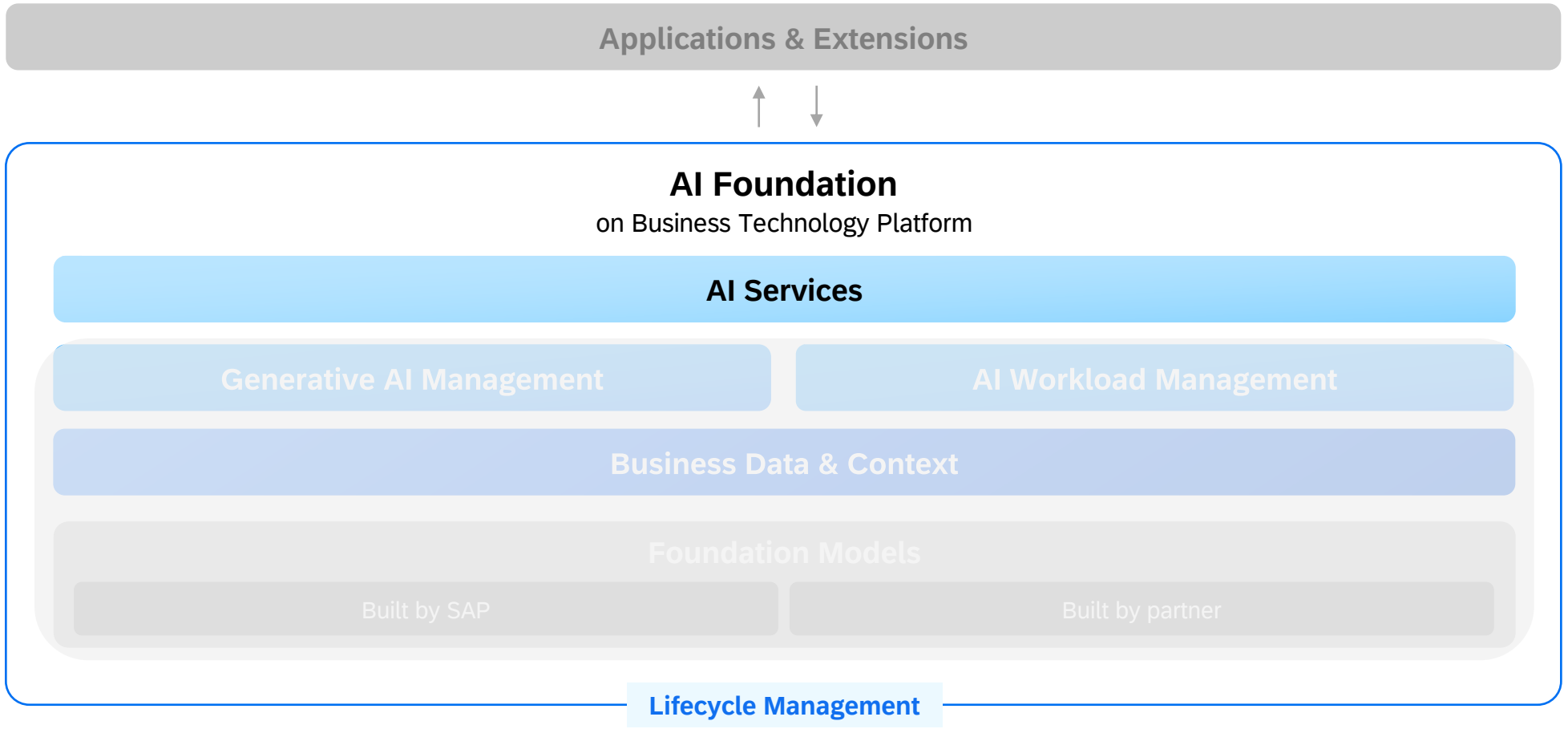
AI ecosystem partnerships and investments

ALEPH ALPHA, ANTHROPIC, aws, cohere, databricks, DataRobot, Google Cloud, IBM, Microsoft

A complete set of services for AI developers on SAP BTP



Ready-to-Use AI Services



AI Services, models pre-trained on business-relevant data

AI Foundation
on Business Technology Platform

AI Services

Document Processing

Document Information Extraction
Automate and scale your business document processing for any document type.

Base & Premium Editions

Recommendation

Personalized Recommendation
Get accurate recommendations based on users' browsing history and/or item description.

Data Attribute Recommendation
Perform classification and regression tasks.

Machine Translation

SAP Translation Hub
Translate UI texts and documents and get UI text suggestions during development.

Lifecycle Management

The Cost of Unstructured Data

Processing of unstructured data causes high costs, missed insights, and operational bottlenecks impacting growth and efficiency.

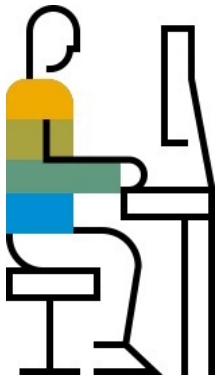
17.60€
AVERAGE COST PER INVOICE
- BILLENTIS

80-90%
OF ENTERPRISE DATA IS UNSTRUCTURED
- GARTNER

4 trillion
PAPER DOCUMENTS ANNUALLY IN THE US
- EMERGEN RESEARCH

PUBLIC

Problem: Large Amounts of Incoming business documents



John,
AP-Clerk

Time2Go Company

Your Company
M. Max Apfel-Birne
Birnenstr. 24
54321 Birnenstadt

Contact:
Time2Go Company
Am Apfelbau 13
12345 Apfelstadt
Tel. +1134/43215
Date: 01.11.2013
Invoice n°: 123456
Customer n°: 0987

Invoice

Amount	Unit	Object	Price
1400 120	Pc. Kg	Apples Nuts	$1,684.- $2.000
		Total Amount	**$ 3,684.-**

19% taxes incl.

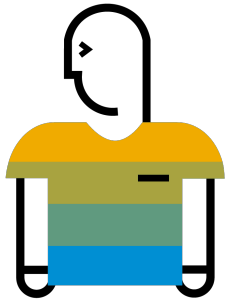
To pay until 11.12.2013

Time2Go Company
Am Apfelbau 13
12345 Apfelstadt

DE12 123412341234
Apfelbank
XYZ1234ZXY

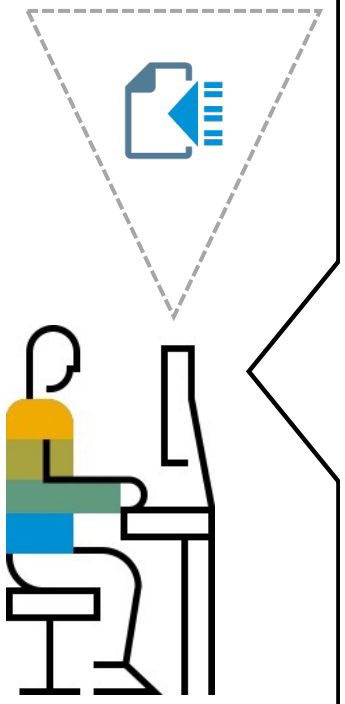
Company	Time2Go Company
Supplier ID	009753
Invoice N°	123456
Amount	3684.00
Currency	USD
Date	2013-11-01
Position 1	Amount: 1400 Unit: PC Amount: 1684.00 Description: Apples
Position 2	Amount: 120 Unit: KG Amount: 2000.00 Description: Nuts

Enrichment happens manually



John,
spends much time on searching and matching the right information

Solution: Document Information Extraction



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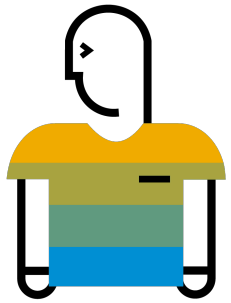
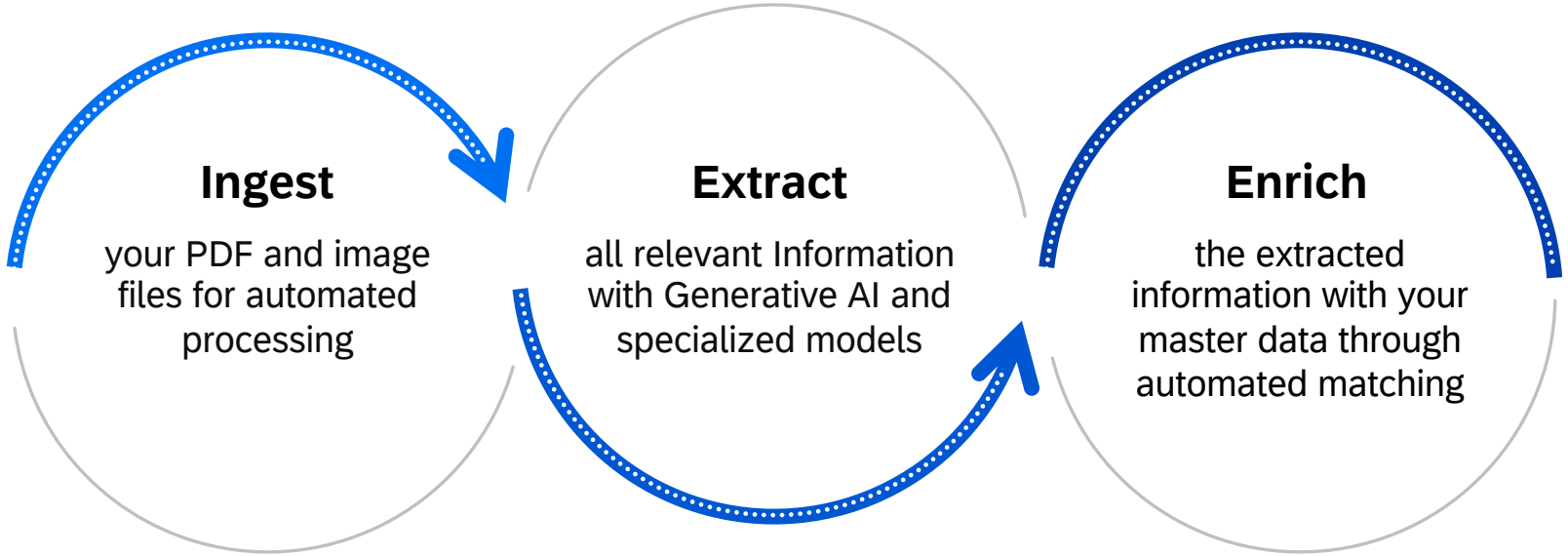
Enrichment happens automatically



John,
Can now do more value creating tasks

Document Information Extraction

Intelligent document processing with SAP available on SAP Business Technology Platform



> At Aspen Pumps, the Document Information Extraction service from SAP helps us to achieve ~90% of extraction accuracy for supplier invoices out of the box, laying a great foundation for much faster execution of Accounts Payable processes. It helps to save up to 350 hours monthly in invoice processing, so approximately £5000 per month.
>
> **- Jon Curtis, Group Business Systems Consultant, Aspen Pumps Group**

HAMBURG
HomeMade
REHAU
AVAYA
Walgreens Boots Alliance

SAP Innovation Awards 2023
SAP Innovation Awards 2022

PUBLIC

Document Information Extraction

BASE

Automate core business document processing use cases in selected languages.

Use cases (supported languages)

- Invoice (15)
- Payment Advice (2)
- Purchase Order (3)
- Business Card (14)
- Templates (41)

PREMIUM

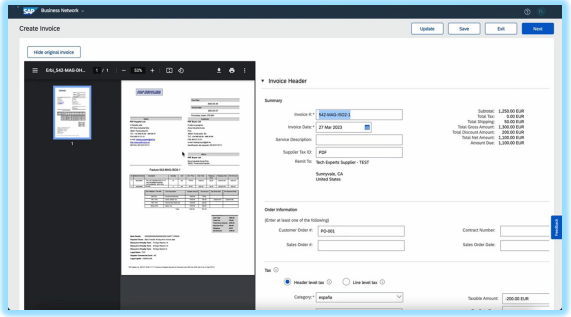
Automate all business document use cases in most languages end-to-end.

Out of box support for **40+ languages with easy extensions** for any kind of document.

- Auto extraction
- Language coverage
- Extensions of SAP Standard Schemas
- Outlook: Immediate Improvement

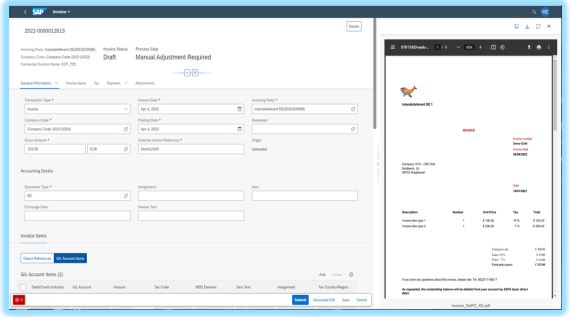
Business process-specific AI for Document Processing in SAP

SAP Business Network Intelligent Invoice Conversion



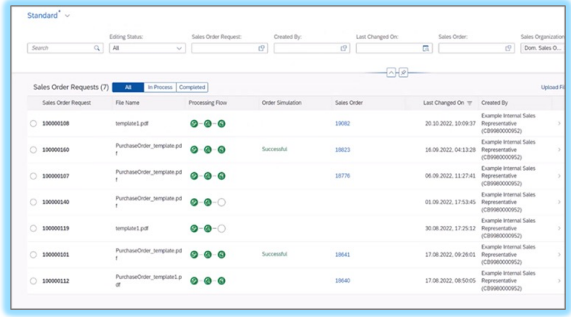
- Improve operational efficiency through simple invoice upload and automation for invoice conversion
- Increase invoice accuracy by reducing manual and error-prone entry
- Accelerate invoice payments by reducing the number rejected invoices by your customers
- See in action: Intelligent Invoice Conversion

SAP Ariba Central Invoice Management



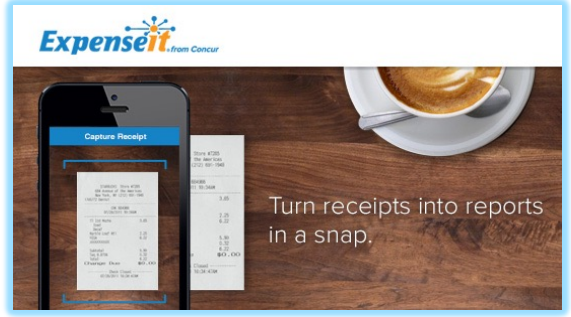
- Provides inbound handling via Business Network and central processing of invoices.
- Deployed on BTP available for SAP S/4HANA Cloud, public edition
- See in action: Central Invoice Management

SAP S/4HANA Sales Order Automation



- Enables faster completion to prevent delays in the sales order delivery
- Reduces redundant tasks to free time for users
- Reduces the risk of human errors in the process
- See in action: Sales Order Automation with AI

SAP Concur ExpenseIt



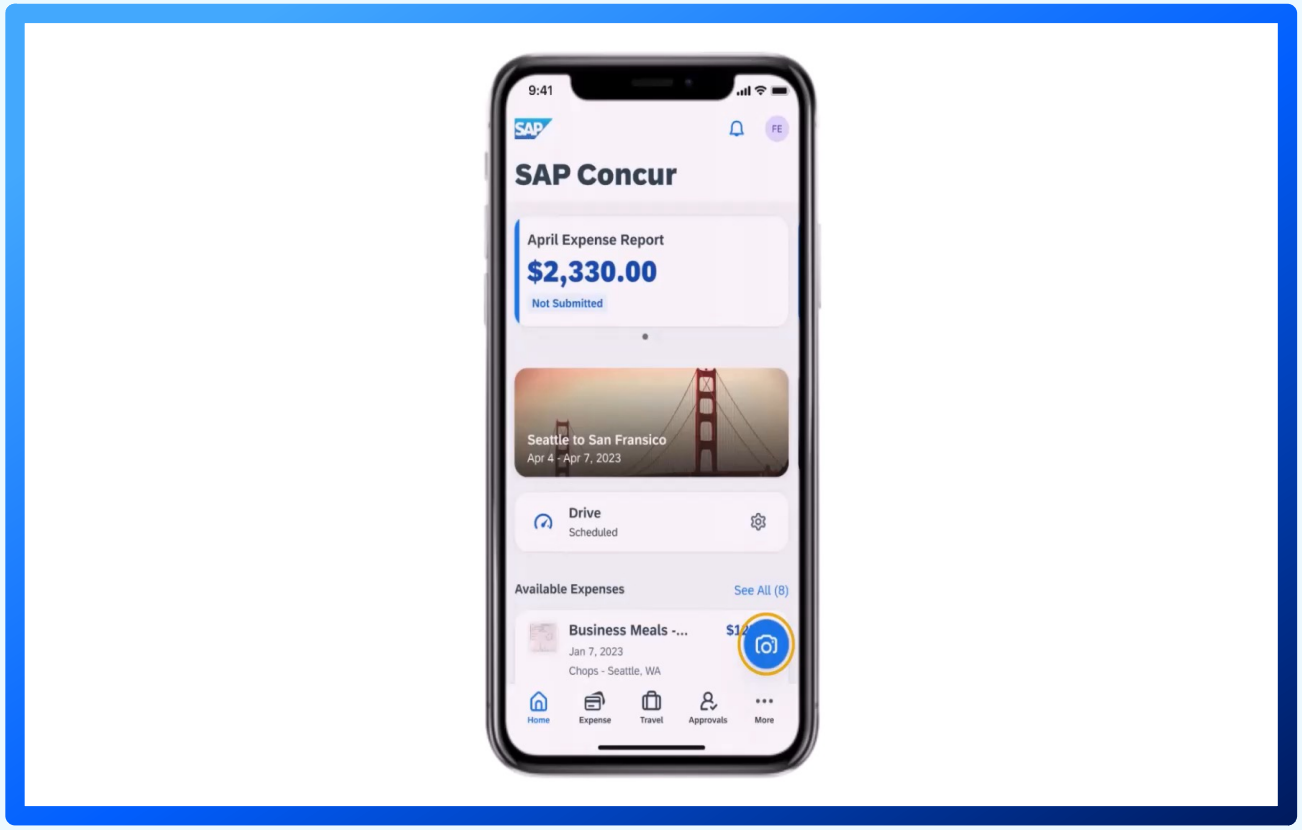
- Images of receipts are captured in the ExpenseIt app
- Information extraction starts on the device with ML models analyzing the image
- Improved employee productivity and overall audit efficiency
- See in action: ExpenseIt

Document Information Extraction

Responsible AI

Maximize efficiency, reduce risks and maintain compliance in employee spending

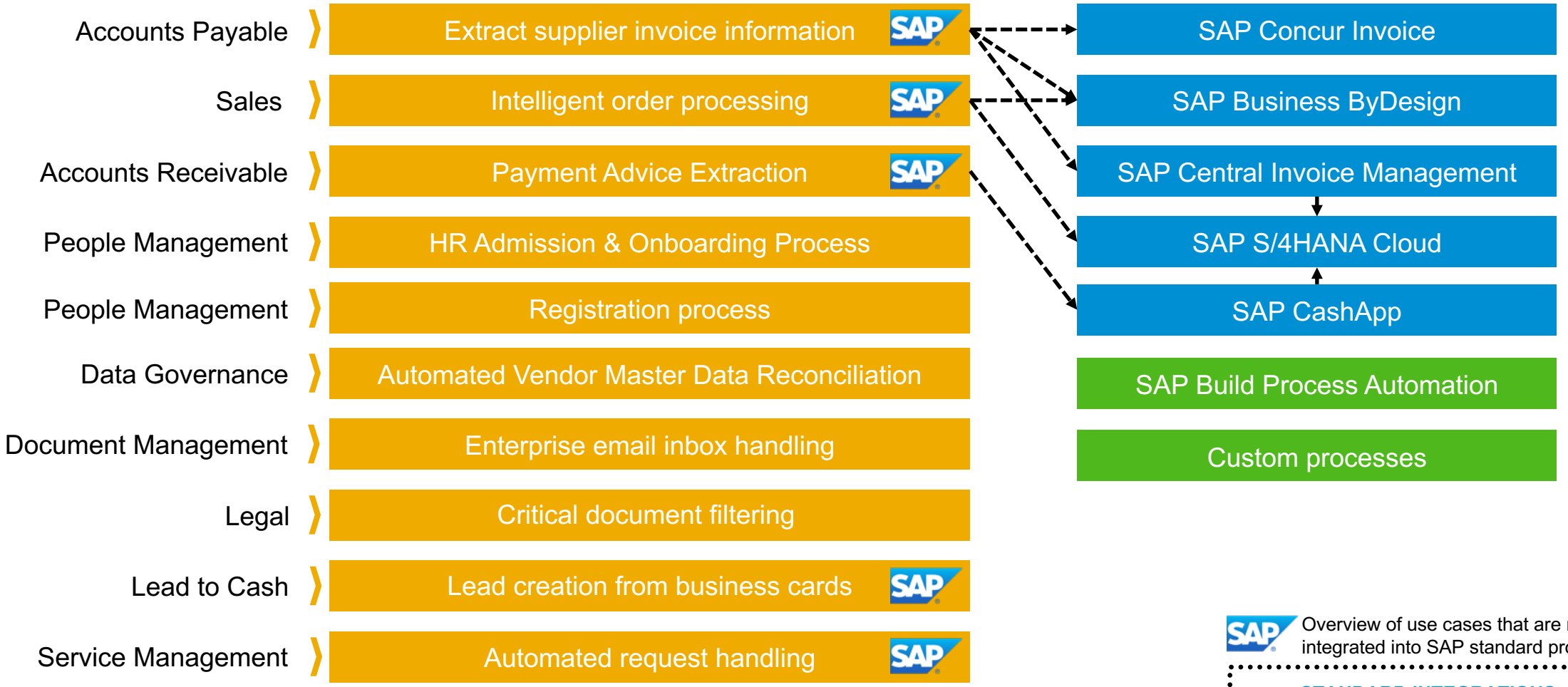
52%
fewer errors
in reporting expenses



Document Information Extraction in Concur Expense – SAP Concur

Document Information Extraction

Business use cases



Overview of use cases that are natively integrated into SAP standard products:

STANDARD INTEGRATIONS

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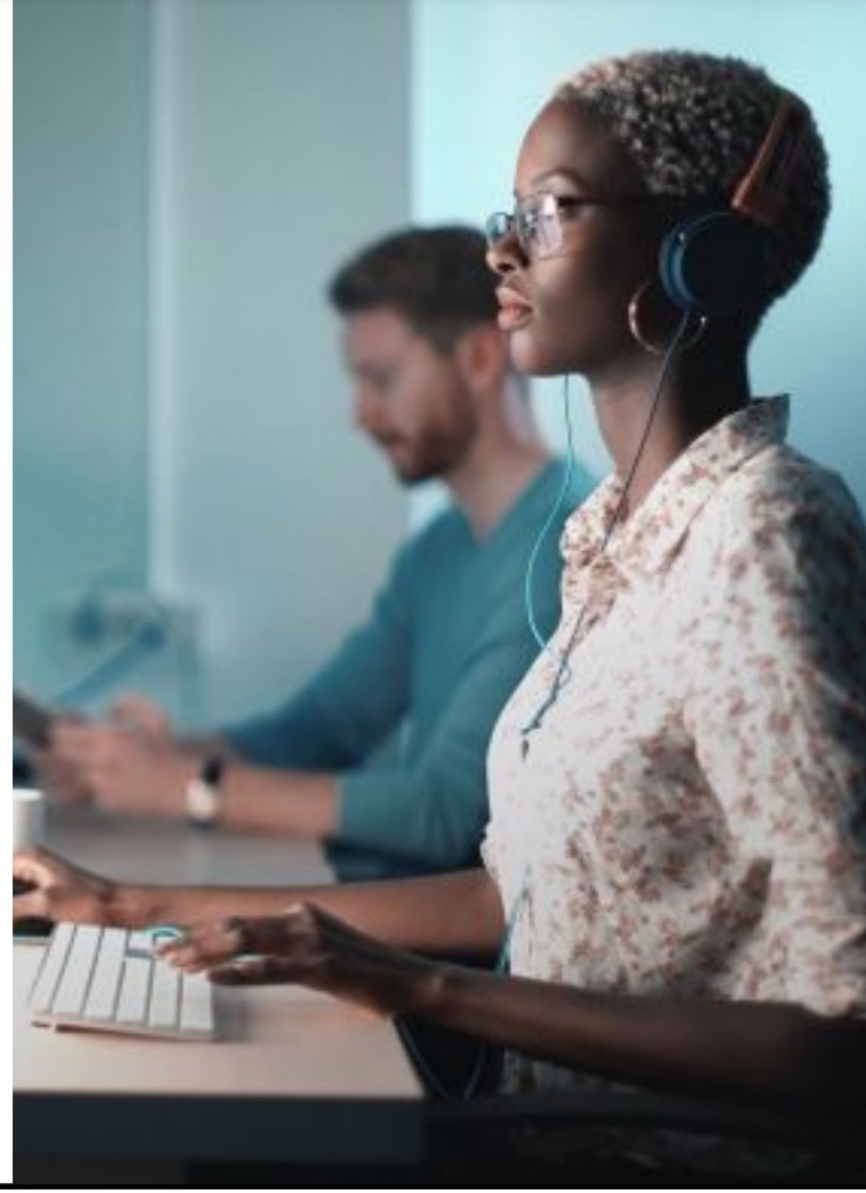

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Aspen Pumps
Apex Way, Hailsham,
United Kingdom
www.aspenpumps.com

Industry
Industrial Machinery
and Components

Featured Solutions and Services
Document Information Extraction service
(DOX), one of SAP AI Business services

Success story - Automate AP Processes

Canadian integrated energy company (2022)

Challenges

Several inefficiencies identified in customer's existing invoice management process, including inflexibility, high IT demands, and a poor invoice identification rate of less than 7%.

Solution and business results

Implementation of **SAP Build Process Automation, powered by Document Information Extraction (one of the SAP AI Business Services on SAP BTP)**

- 80% invoice recognition and posting rate
- 20,000+ invoices processed monthly
- 20 FTE workload
- 7,000$ savings per day
- 120 hours savings per day
- 1,800,000$ projected savings p.a.

KPIs	Company's lower bound	Company's upper bound	Industry avg. (reference, p.16)
Assumed cost per invoice (Y)	10	15	17.6
Reported saving through SAP Build + DOX (X)	7	7	7
Remaining cost per invoice	3	8	10.6
Anticipated cost reduction (X/Y)	70%	46%	40%

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Document Information Extraction

Key takeaways

Out-of-the-box automation with pretrained models for different document types

Integrated offering available as part of various SAP applications

Focus on **improving the efficiency** of your employees

State of the art technology is used to deliver **best of breed accuracy**

Document Information Extraction

Start today

Ready to Use

- Available under **Free Tier** option on SAP BTP
- Commercially available via **Cloud Platform Enterprise Agreement**, on **SAP Store** or as **Pay-as-you-go** model
- Available as **Test Demo & Development** for Partners
- Available on following Data Centers: EU10, EU11, JP10, US10, AP10

Natively Available

The service is integrated into variety of SAP standard products that you use already today:

- SAP Concur Invoice Capture
- SAP Central Invoice Management for SAP S/4HANA Cloud
- SAP CashApplication
- SAP Business ByDesign
- SAP S/4HANA Cloud
- SAP Build Process Automation
- …and many more (see consumption options).

SAP HELP PORTAL | **SAP DISOVERY CENTER** | **SAP COMMUNITY** | **CONSUMPTION OPTIONS**

Document Information Extraction, Premium Edition

Enablement & Wrap up

- ~80 percent of data is unstructured. Great deal of business data is locked in business documents
- SAP is at the forefront of adopting Generative AI in reliable, relevant and responsible way
- SAP provides state-of-the-art GenAI capabilities to process unstructured documents of any kind.

Assets:

Available on SAP BTP Trial - get started with tutorials!

State tuned with SAP Community for the GA!

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Thank you.

Contact information:

ai@sap.com

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