

The Digital Business with SAP Business One

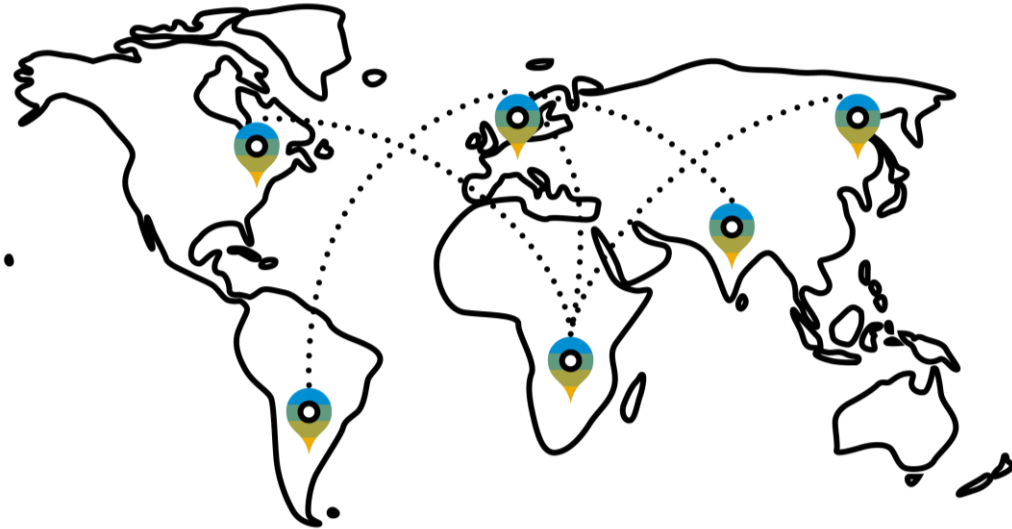
Global Roll-out, SAP
May 2020

PUBLIC

Digital Business and Transformation

Digital Business – Premise

In the digital economy **People**, **Business**, and **“Things”** are becoming more and more connected.



In worldwide operating companies...

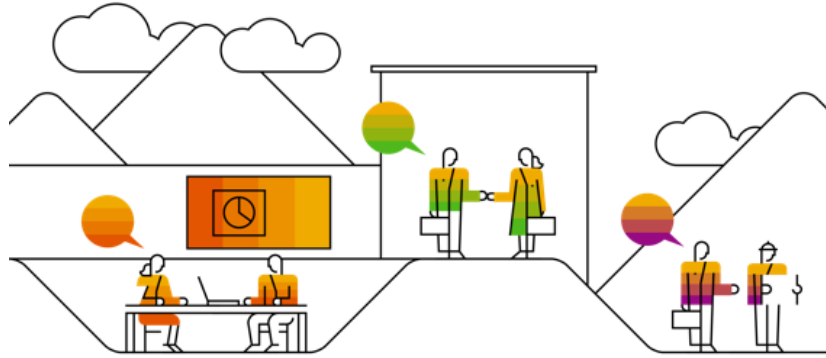


...as well as in small, regional companies, ...



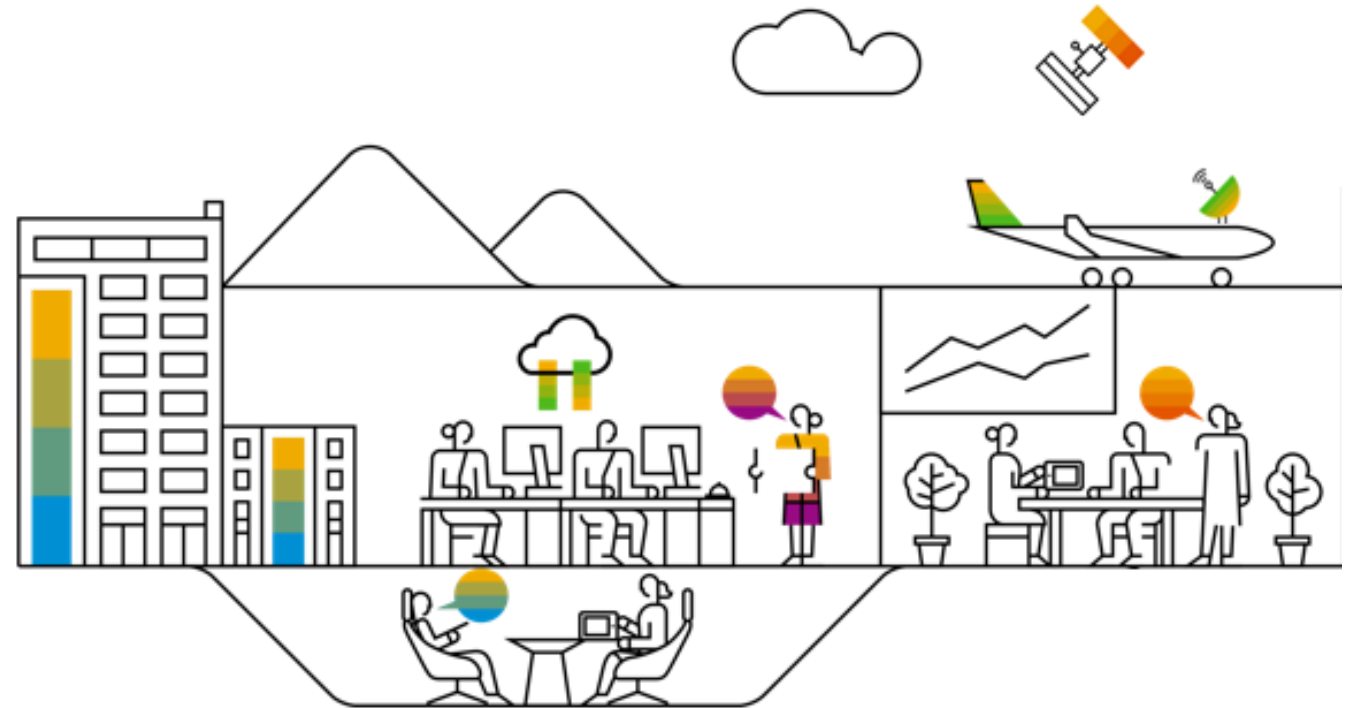
...and in all our daily lives.

Digital Business – Transformation



Your existing business models are **changing** and...

...you need to become an **intelligent, digital** business.



Digital Business – Enablers

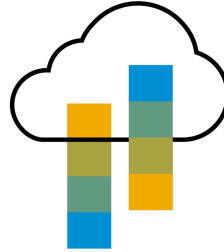
Digital business is built on **new computing infrastructure** – the enablers are...



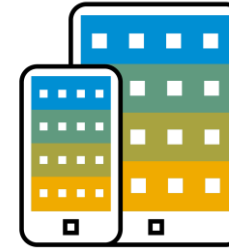
Analytics



Big Data



Cloud Technologies



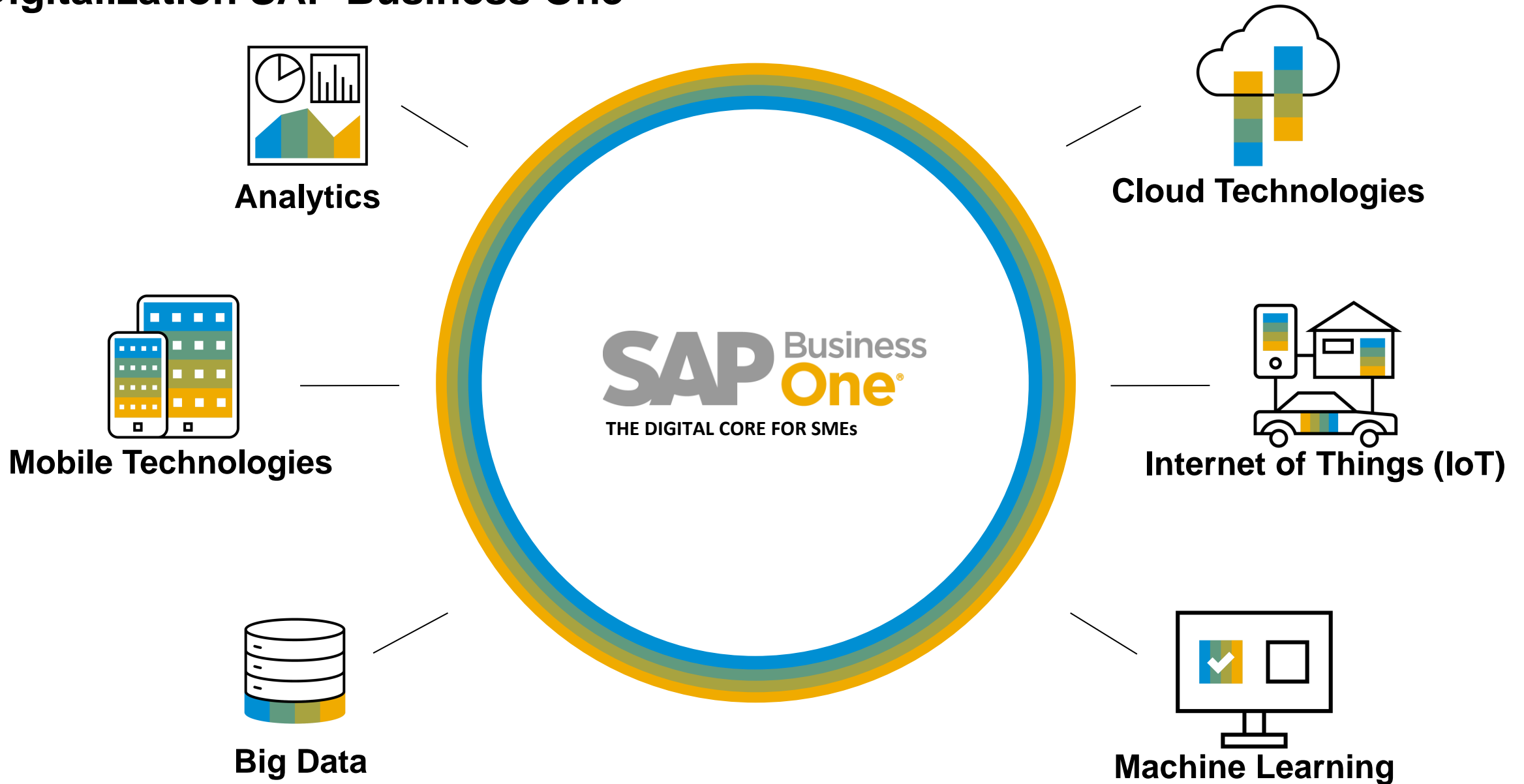
Mobile Technologies

...accelerated by the **Internet of Things (IoT)**, advances in **Machine Learning** and innovations like **Blockchain**.

These technologies give your company the ability to change your business models, and create new products and services in the digital economy.

Digitize on the **SAP Business One** **Platform**

Digitalization SAP Business One



Analytics



Analytical Portfolio for SAP Business One

SAP Business One, version for SAP HANA

- Dashboards and KPIs
- Advanced Dashboards
- Interactive Analysis
- Semantic Layer

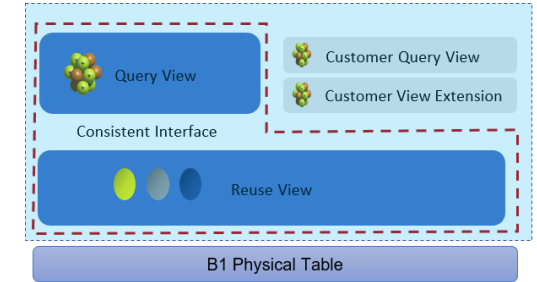
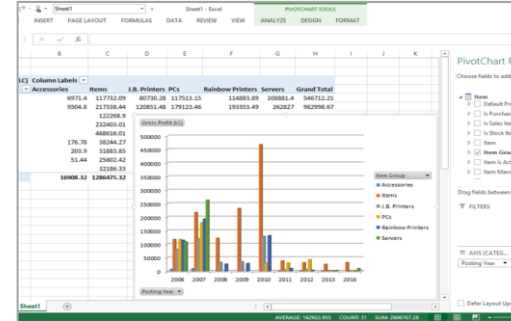
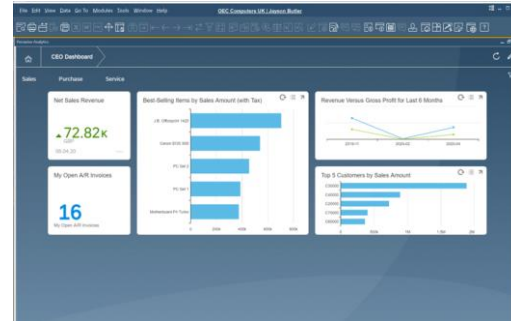
Data Visualization and Analysis

- SAP Analytics Cloud

Business Intelligence Reporting

- SAP Crystal Reports
- Excel Report
- Analytical Portal

Analytical Portfolio – SAP Business One, version for SAP HANA



Dashboards and KPIs

Insightful data dashboards and KPIs to make your business measures better to understand

Advanced Dashboards

Consolidate a collection of Dashboards and KPIs related to specific areas of your business

Interactive Analysis

Reporting capabilities for you, performed within MS Excel, based on the SAP HANA Semantic Layer

Semantic Layer

Pre-delivered information views representing your business content for reporting and analytical consumption

Analytical Portfolio – Data Visualization and Analysis

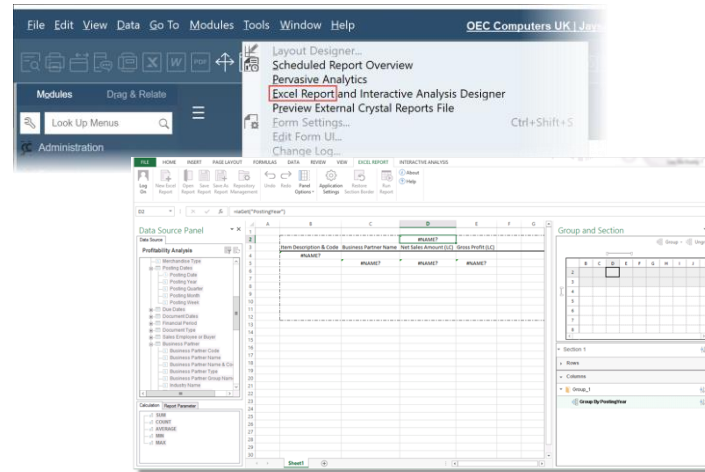


SAP Analytics Cloud (Subscription)

One integrated experience that allows you to discover, analyze, plan, predict, and collaborate – designed for the cloud

Analytical Portfolio – Business Intelligence Reporting

Description	Quantity	Unit	Price	Tax %	Total
3.B. Offprinted 1430 Item Code: A30001	10		300.00	20.00	3,900.00
3.B. Rainbow ColorJet 5 Item Code: A30004	10	Unit	375.00	20.00	3,750.00
3.B. WLAN Card Item Code: C30005	15		45.00	20.00	675.00



Scheduled Task	Report Name	Category	Type	Creation Time	Action
Monthly Customer Status	Monthly Customer Status	Sales	Crystal	2017-07-14 13:27:53	
Purchase Analysis	Purchase Analysis Report	Purchasing	Excel	2017-07-14 13:27:53	
Opportunity Report	Sales Opportunities Report	Customer Relationship Man...	Excel	2017-07-14 13:25:28	
Sales Analysis	Annual Sales Analysis (by O...	Sales	Crystal	2017-07-14 13:06:25	

SAP Crystal Reports

Standard business intelligence reporting where you can create richly formatted, interactive business reports in SAP Business One

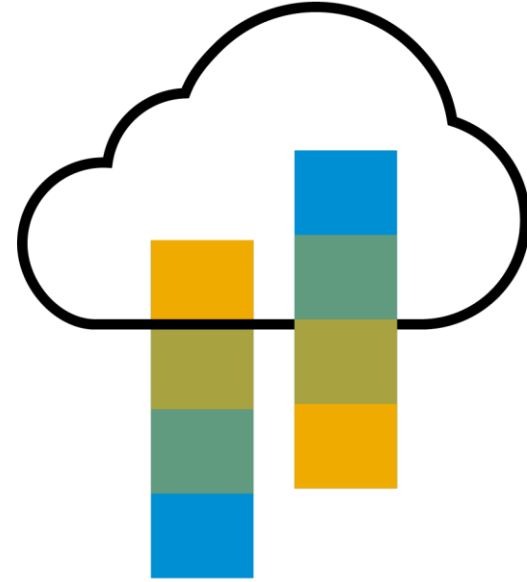
Excel Report

Generate powerful MS Excel reports for your business using the SAP Business One Semantic Layer

Analytical Portal

Enable your business to access, organize and schedule your reports from a Web browser, anytime, anywhere

Cloud Technologies



Cloud Technologies for SAP Business One

SAP Business One Cloud is a flexible **cloud-based** solution, allowing companies to benefit from the ERP software while minimizing the IT investment.



SAP Business One Cloud

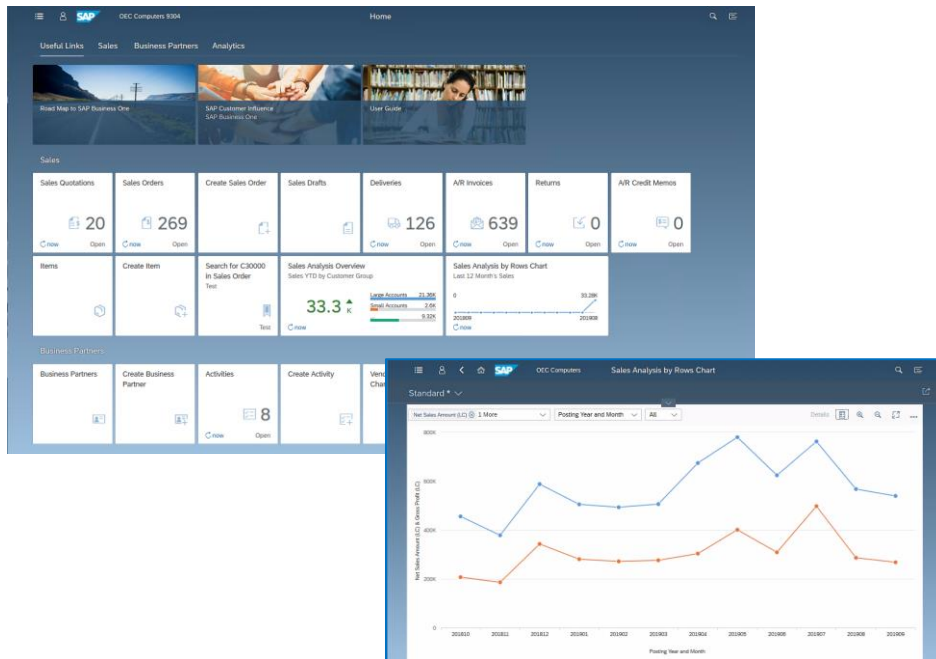
Hosted by **SAP**

- Delivering **software-as-a-service**
- Secure access from anywhere, at any time
- Manage your most critical business functions flexible
- Easy and affordable deployment

Hosted by **Partner**

- **Subscription** based licensing
- Subscription licensing allowing for operational expenditure flexibility
- Available in Public and Private Cloud environments

Web Client – Optimize Your User Experience



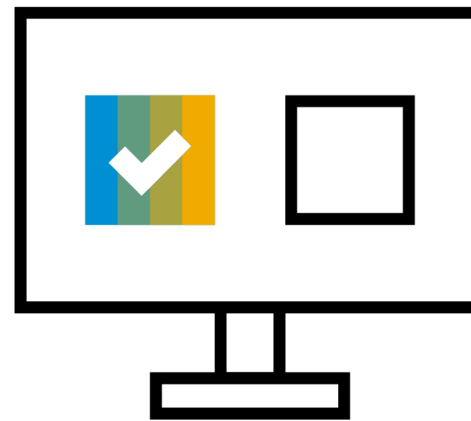
Web Client

Launch the Web Client in a tablet or desktop computer to provide easy and flexible access on creation, processing, and updating of

- Documents
- Items
- Business partners
- Activities

Take advantage of sophisticated analytic charting capabilities.

Machine Learning



Machine Learning – Potential

When machine learning matures to the point that it can handle unstructured data (still an issue today), when organizations openly share data, and when algorithms begin to interact with each other more freely, machine learning will be embedded in all systems, devices, machines, and software.

That will enable highly context-sensitive insight at both the organizational and individual levels. We can only guess at the level of automation that will result, but the impact on business – and society – will be significant.

Already, commercial machine-learning applications based on these technologies are available, and more are being created all the time. That is why business leaders should engage now with trusted providers that can help them evaluate data structures and availability, free up information from siloed systems, and identify the richest areas for machine-fueled insight and improvement.

Machine Learning for SAP Business One, version for SAP HANA

The screenshot displays the SAP Business One Sales Order interface. The top section shows customer details for C30000, including contact person Judy Brown and currency GBP. The middle section is a table of items, with item A00001 (J.B. Officeprint 1) selected. The bottom section shows sales employee details and a summary of the order, including a total of GBP 300.00. On the right side, there are two recommendation panels: 'Recommendations for This Customer' listing items like A00001, A00003, and A00002 with their respective values, and 'Customers Who Bought This Item Also Bought' listing customers A00002 and A00004.

Sales Recommendation

Display of product recommendations based on the buying histories of your customers and similar customers in sales documents

The screenshot shows the 'Generate Intelligent Forecast' interface. The 'Configuration' section includes fields for 'Select Items By' (Item), 'Item No.' (From A00001 to A00001), 'Item Group' (All), and 'Calc. Method' (Automatic Selection). Below this is a 'Forecast Values' table for item A00001 across various months from 2020-04 to 2020-12. At the bottom, a line chart displays 'Past Data' (blue line), 'Customized Data' (dotted line), and 'Forecast Data' (orange line) from 2012-10 to 2021-04. The chart shows a clear upward trend in demand over time.

Item No.	Warehouse Code	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12
A00001	01	5	6	4	8	4	2	5	4	4

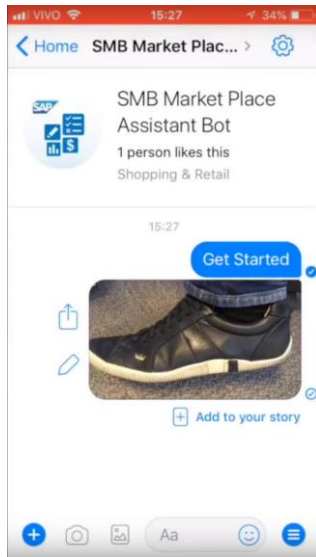
Intelligent Forecast

Interact with built-in statistical forecast algorithms to analyze inventory levels and optimize your demand

Machine Learning for SAP Business One, version for SAP HANA

**Important Note:*

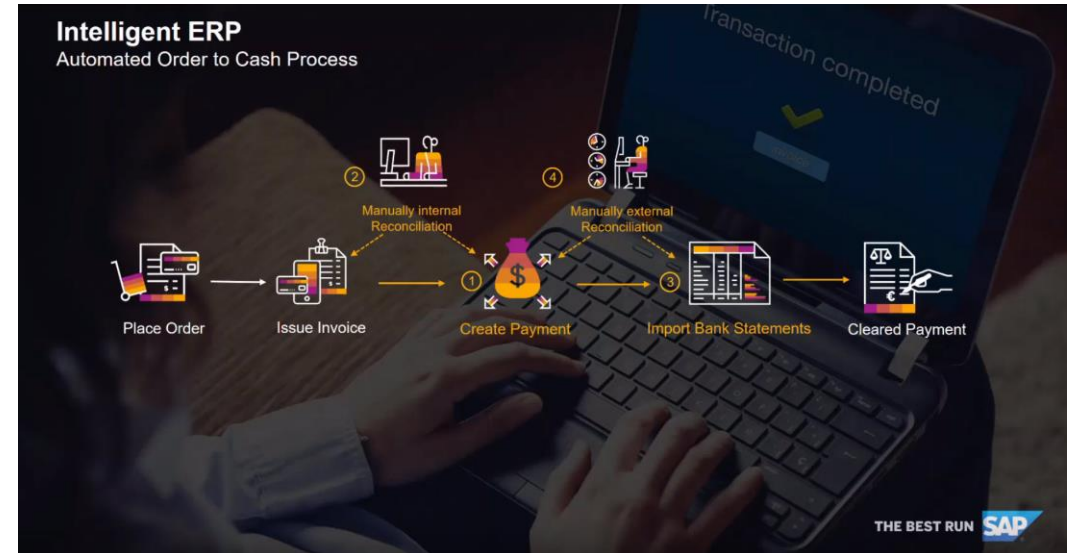
This is not an SAP Business One feature and it is not part of the product or its roadmap. Therefore there is no official SAP support for this implementation. This is simply a proof of concept.



SAP SMB Market Place*

Loosely-coupled mobile solution concept for a new buying experience, working across products and customers' segments

[Link](#) to YouTube Playlist – [Link](#) to Blog



Order to Cash Automation*

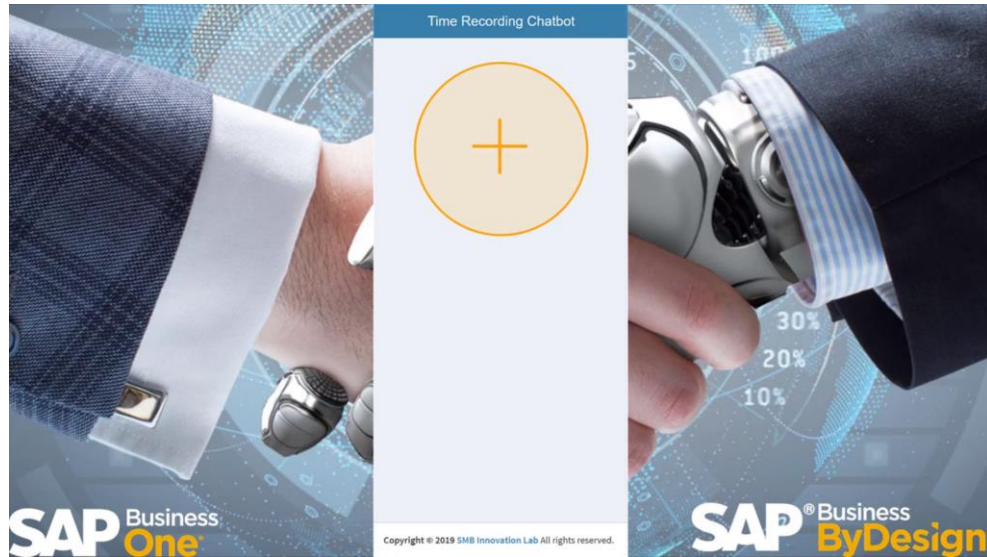
This is a proof-of-concept leveraging machine learning/artificial intelligence technologies to automate business processes

[Link](#) to YouTube Clip

Image Recognition and Conversational AI

*Important Note:

This is not an SAP Business One feature and it is not part of the product or its roadmap. Therefore there is no official SAP support for this implementation. This is simply a prototype.



Time Recording*

Take advantage of this prototype to enable your employees to easily record their time with face recognition and conversational AI.

[Link](#) to YouTube Playlist – [Link](#) to Blog

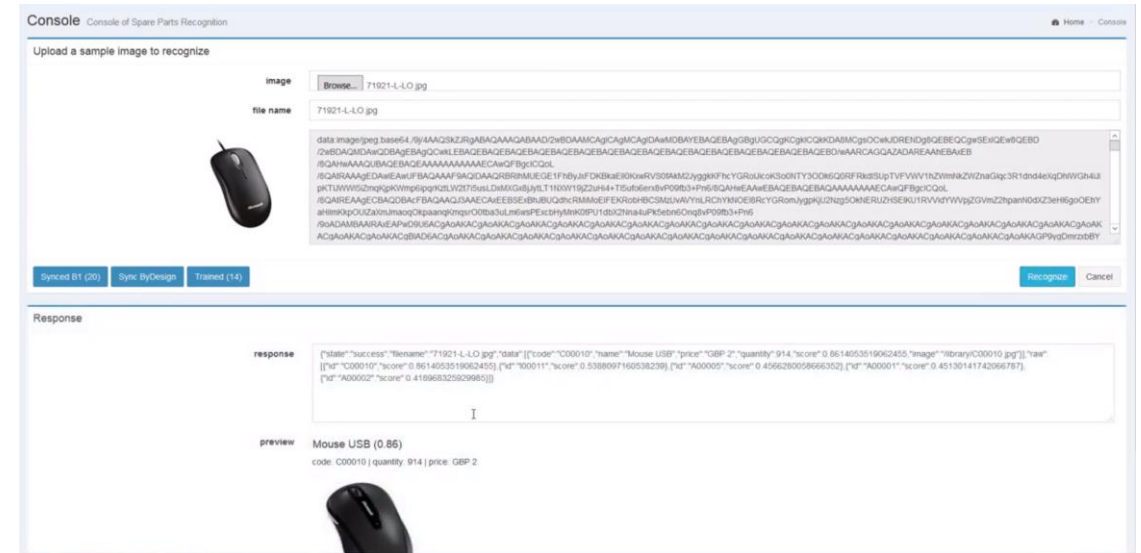


Image Recognition*

Utilize the sample code of this prototype and build your own app to identify spare parts using image recognition on inventory items.

[Link](#) to YouTube Playlist – [Link](#) to Blog

Big Data



Big Data – What is meant by Big Data?

Big Data is neither a problem nor a solution in itself, or even a single technology. It's not important how many ...bytes of data business has accumulated. The issue is how to get value from Big Data by exploiting its combination of speed, complexity, and diversity?

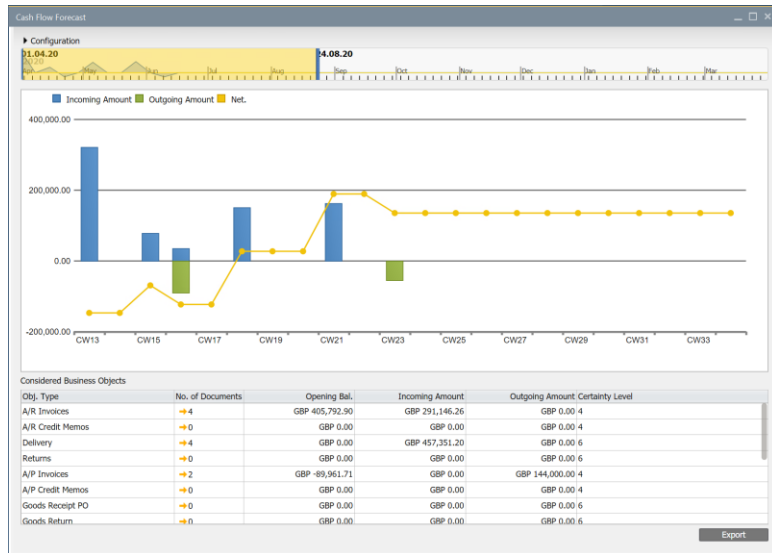
It's an opportunity to develop a foundation for decision management systems, incorporate new business signals into human and machine workflows, and drive growth and profit through innovation. One of the most popular aspects of Big Data today is the realm of predictive analytics.

Examples of Big Data Opportunities

- Make information transparent and usable at a higher frequency
e.g. enhance the customer's experience as it's happening
- Identify hidden relationships, patterns, and trends within data
e.g. anticipate and avert business problems or risks before they materialize
- Transform inventory allocation from a batch to an interactive process
e.g. accurately predict consumer demand against stock levels and adjust promotions in-the-moment

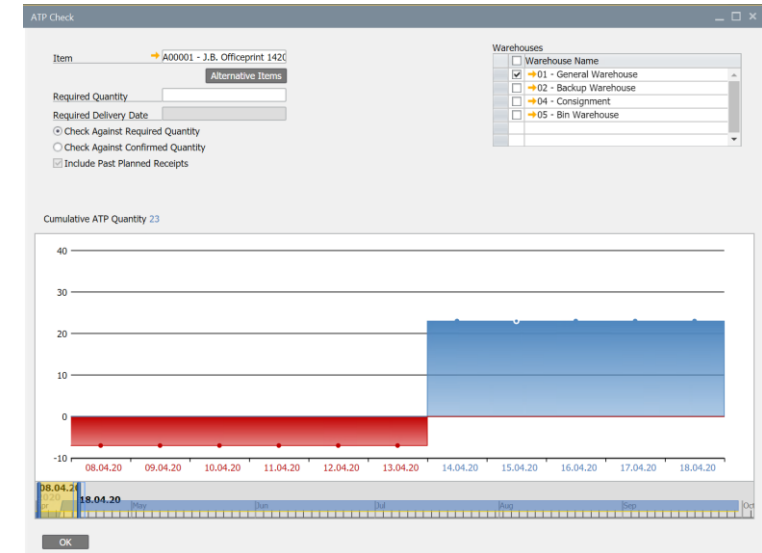
Big Data in SAP Business One, version for SAP HANA

The SAP HANA Apps to bring unstructured data into one view and analyze your data:



Cash Flow Forecasting

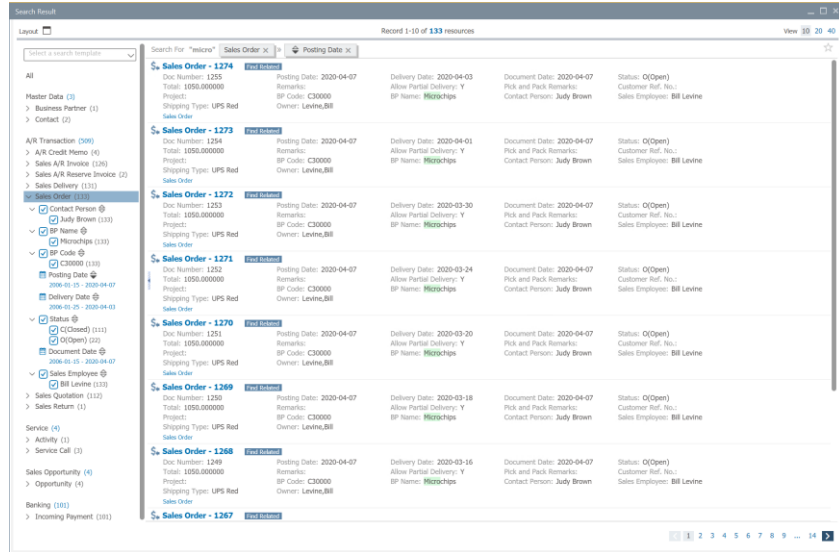
Graphical display of your cash flow, including open documents optionally, to exposure your data



Advanced Available-to-Promise

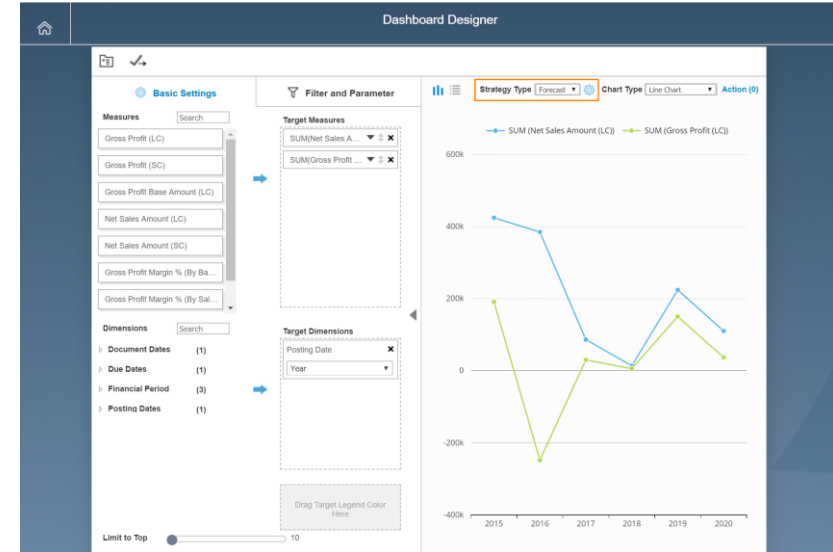
Get transparency about your inventory dynamically, in real-time to minimize costs

Big Data in SAP Business One, version for SAP HANA



Enterprise Search

Locate your business information via freestyle search, and drill down to the documents and sources itself



Predictive Analysis

Use *Forecasting* strategies within your Dashboards to predict future and seasonal trends based on your historical data

Internet of Things (IoT)



Internet of Things (IoT) – Definition

The Internet of Things is a network of physical objects – vehicles, machines, home appliances, and more – that use sensors and APIs to connect and exchange data over the Internet.

The IoT depends on a whole host of technologies – such as application programming interfaces (APIs) that connect devices to the Internet. Other key IoT technologies are Big Data management tools, predictive analytics, AI and machine learning, the cloud, and radio-frequency identification (RFID).

IoT in SAP Business One, version for SAP HANA

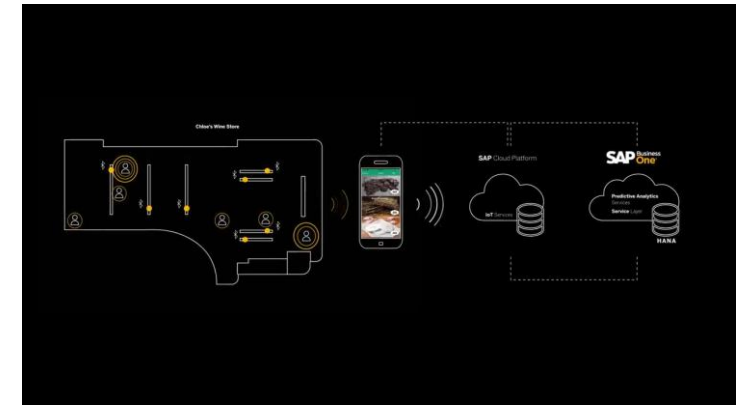
**Important Note: This is not an SAP Business One feature and it is not part of the product or its roadmap. Therefore there is no official SAP support for this implementation. This is simply a proof of concept that you can use as is for free and develop further for your own requirements.*



Alexa Integration*

Operate SAP Business One per voice via Alexa –

[Link](#) to blog



Retail Beacons*

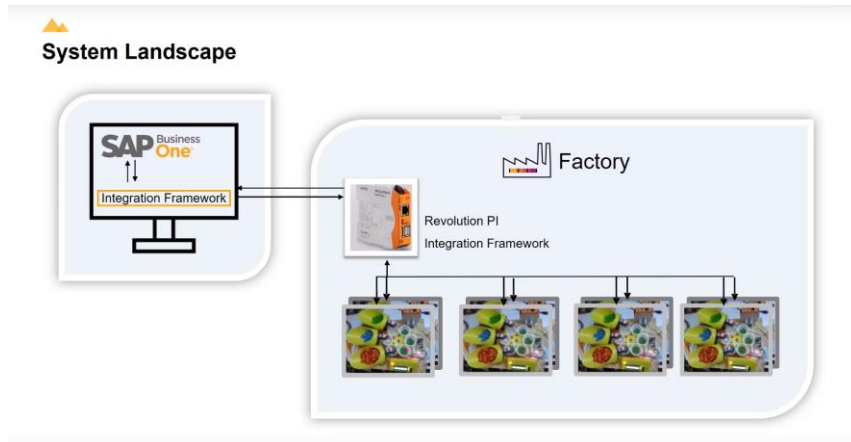
Integrating SAP Business One and Beacon devices in retail shops to get insights and predict buying behaviours

[Link](#) to blog

IoT in SAP Business One

Using the Integration Framework for SAP Business One

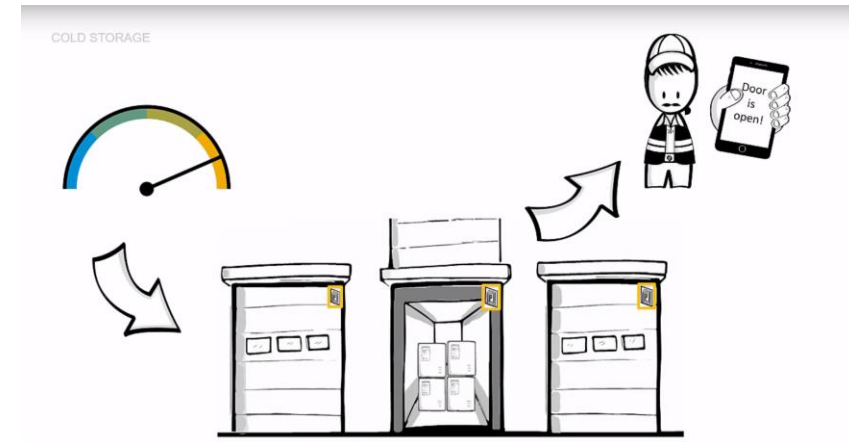
**Important Note: This is not an SAP Business One feature and it is not part of the product or its roadmap. Therefore there is no official SAP support for this implementation. This is simply a proof of concept.*



Factory Automation*

Example on how to have full control and monitor production orders by connecting the machines with SAP Business One using sensors.

[Link](#) to YouTube Playlist

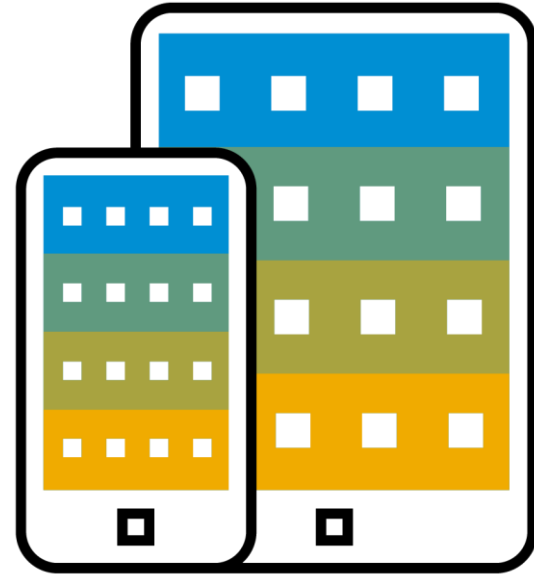


Cold Storage*

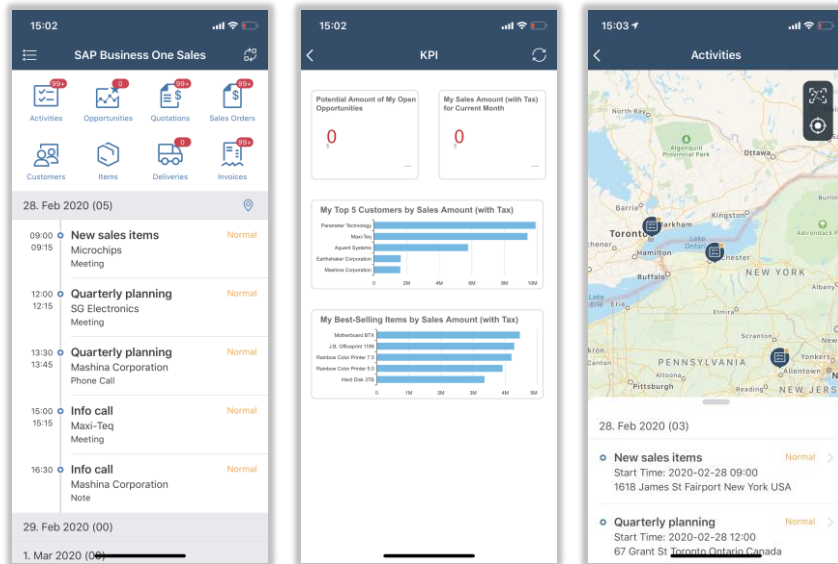
Example on how to connect operational areas or machines with SAP Business One via sensors to alert responsibilities in case of failures.

[Link](#) to YouTube Playlist

Mobile Technologies

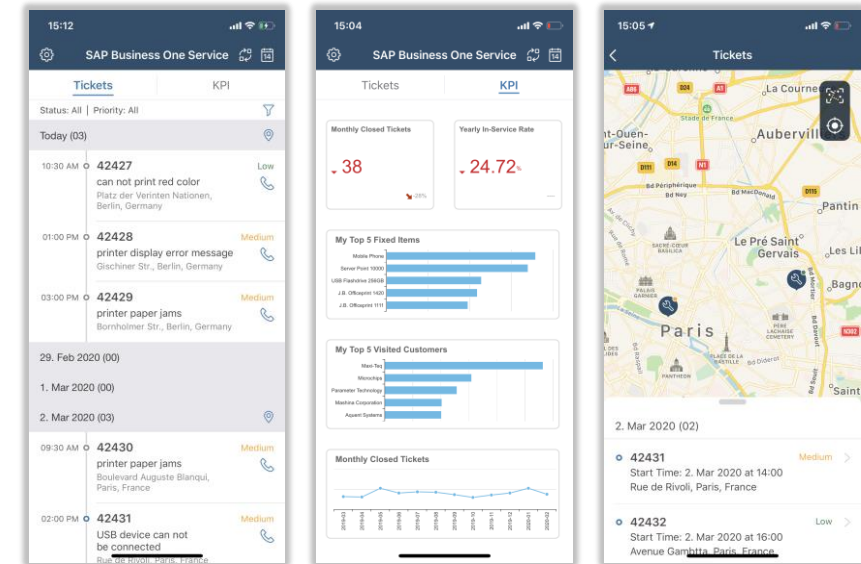


Mobile Technologies for SAP Business One



SAP Business One Sales App

Handle effectively your sales activities anywhere, anytime



SAP Business One Service App

Manage and fulfill your service anywhere, with integrated scanner, map, personalized signature and more

Transform your Business

Business Transformation

Competitive, latest innovation to digitize your business.

SAP's strategy to **digitize your business**



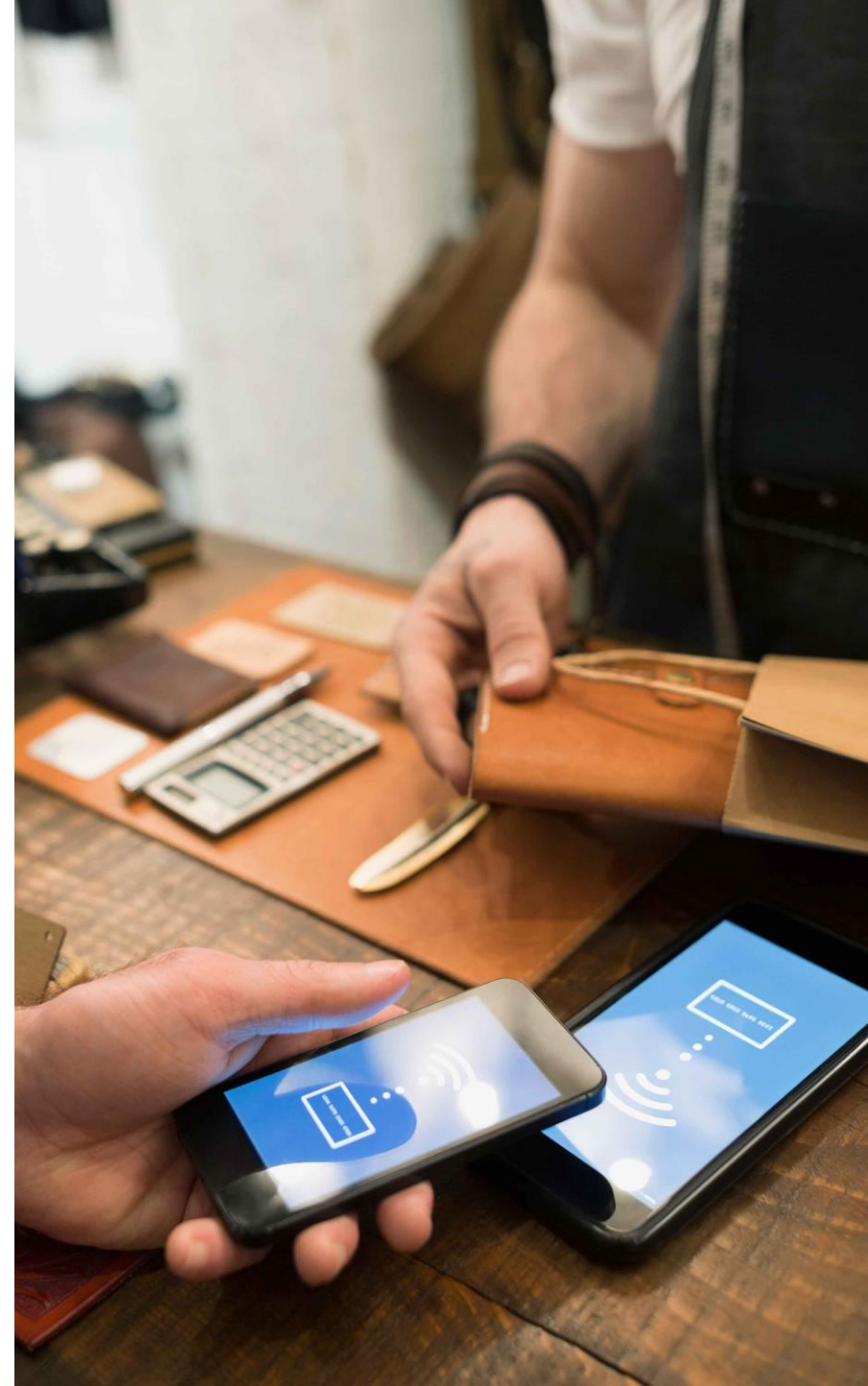
SAP Business One, version for SAP HANA

Cloud

Service Layer API Technology

Integration Framework for SAP Business One

SAP HANA the springboard to enable your business.



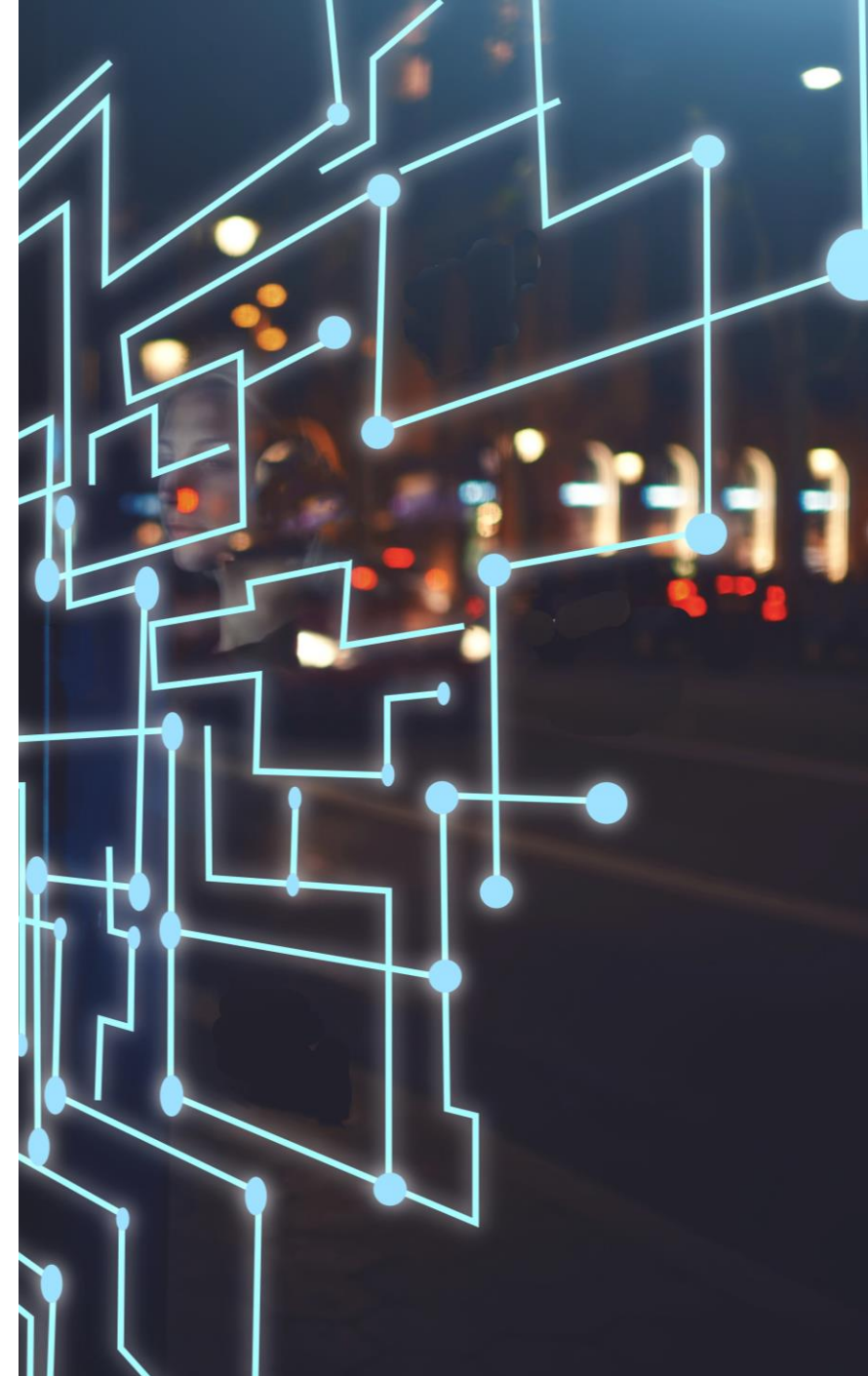
More Information

The Gateway to Digital Transformation

Service Layer API Technology

The next generation API (Application Programming Interfaces) **for the digital business** allowing you to create **lightweight mobile apps** consuming SAP Business One data and services using open core protocols such as HTTP and OData.

Create scenarios and connect devices by using the **Integration Framework for SAP Business One and Service Layer Technology**



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Home

Tech Trends

Technology and Innovation

In the digital age, business leaders must stay on top of new, emerging, and future technologies or risk falling behind. But where do you start? Explore the latest digital trends to determine the best opportunities for your company.

- Digital Transformation**
Traditional business models are being radically disrupted in the digital economy. Discover what it means and takes to transform – explore strategies, best practices, and more.
[Digital Transformation >](#)
- Machine Learning**
Artificial intelligence (AI), machine learning, and deep learning are powering a new breed of software innovation. See how the technology can harness an ocean of Big Data to create business opportunities.
[Machine Learning >](#)
- Blockchain**
Blockchain has the potential to majorly disrupt every industry. This distributed ledger technology goes far beyond cryptocurrencies to include everything from land titles and intellectual property to votes.
[Blockchain >](#)
- Internet of Things**
The Internet of Things (IoT) is connecting machines to machines (M2M) and machines to people in nearly every industry. Explore this world of networks – including the IIoT and Internet of Everything (IoE).
[Internet of Things >](#)
- Cloud Computing**
From SaaS and PaaS to private and hybrid – learn more about cloud technology and its benefits. You can also investigate the latest cloud trends and hot topics, such as security and public cloud options.
[Cloud Computing >](#)
- Big Data**
Big Data continues to explode in volume and variety, and companies must keep up. Learn about the latest Big Data tech trends, including real-time analytics and AI – and find out what they can do for business.
[Big Data >](#)

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