

How to Create the Intelligent Procurement Process

Achieving Efficiency Gains through Automation

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THE BEST RUN



Introduction



Focus on High Performance Objectives

1

Productive Improvement

- Enables procurement to facilitate the smooth flow of goods and services in a cost-effective, timely manner to continuously reduce product, process, and channel costs

2

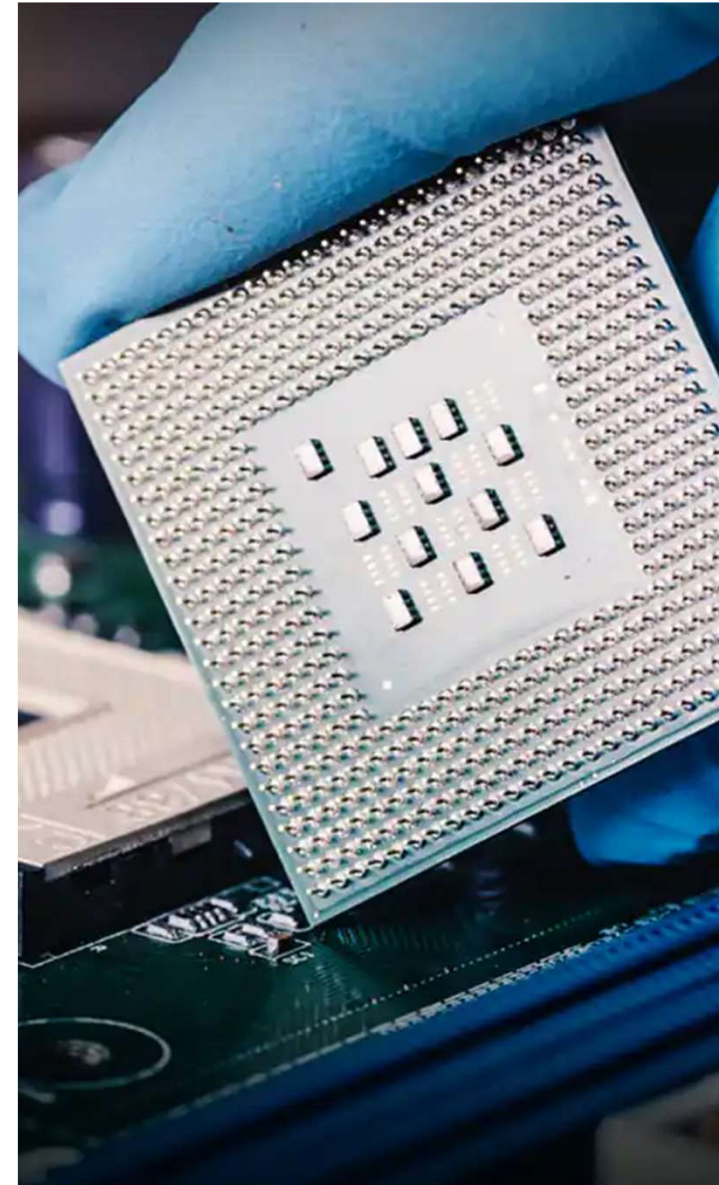
Technology

- Assists procurement to leveraging information technology superiority that will provide supplier and delivery visibility and will remove unnecessary process redundancies

3

Velocity

- Enables purchases to assist the entire organization to increase the velocity of getting new products to market, removing blockages clogging the flow of inventory through the supply channel, and delivering an exceptional customer buying experience.



SAP Process Automation



SAP Process Automation use cases



Automate manual, repetitive tasks



"Lights-out" automation of high-volume process steps



Automatically aggregate data from multiple systems

Lead to Cash

Capital Expenditure Approvals

Invoice Approvals

Account Opening

Hire to Retire

Relocation

Visa Permits

HR Employee Self Services

Managing Contingent Workers

Design to Operate

Master Data Record Update

Document Approval

Lead Generation Workflows

Source to Pay

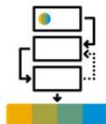
Return Order Process

Incident Management

Procurement Data Collection



Digitalize manual & semi-automated processes

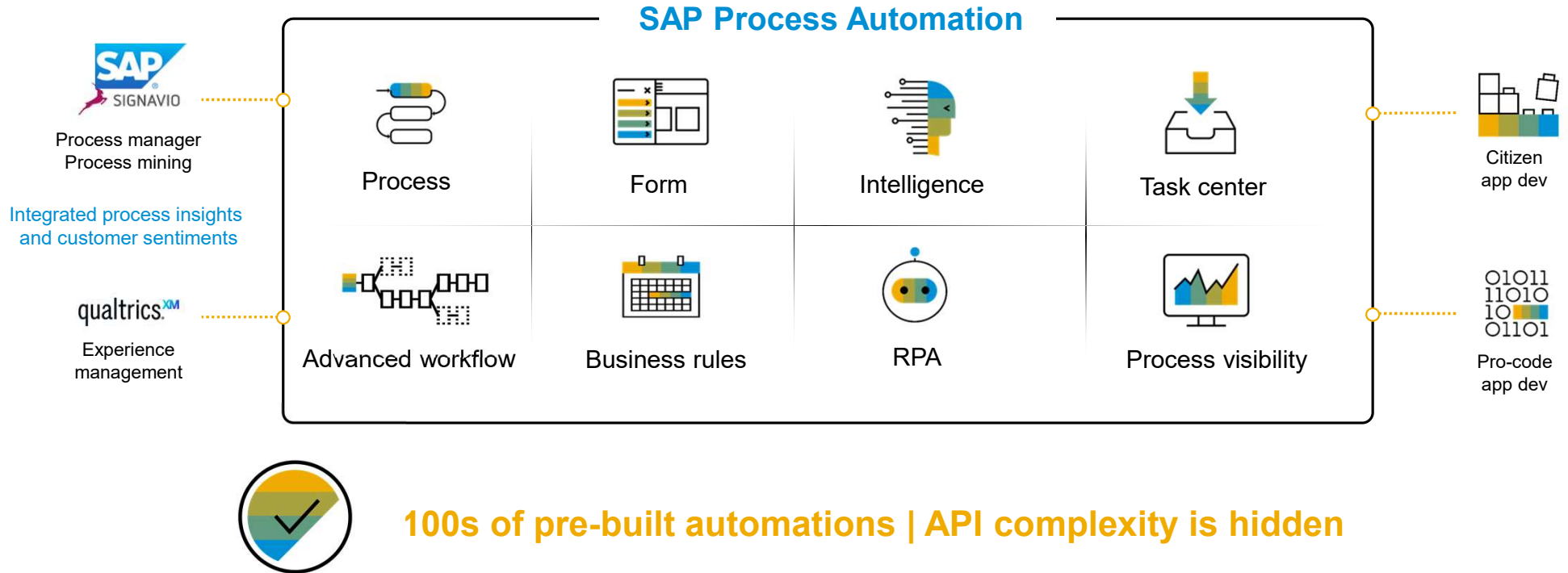


Extend and adapt standard application flows

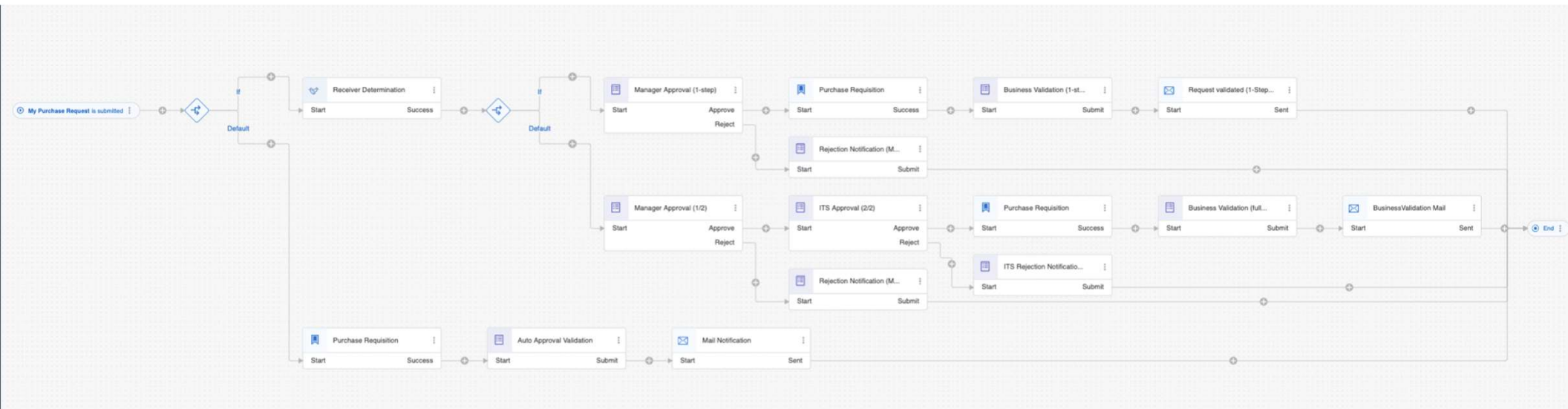


Automate end-to-end cross-application workflows

Introducing SAP Process Automation



SAP Process Automation—sample for purchase requests



High Tech Manufacturer

Reselling Computer Chip Systems



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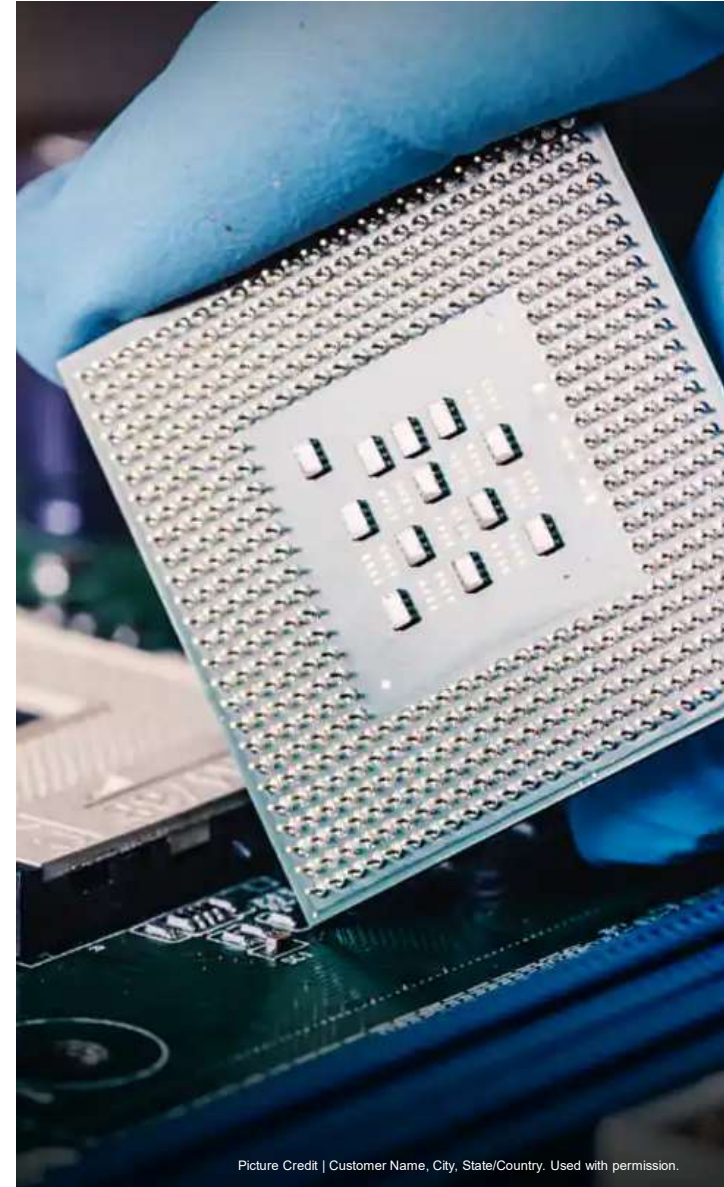
High Tech Manufacturing Company: Who are they?

Computer chip fabrication equipment and services allow chipmakers to build smaller, faster, and better performing electronic devices. Combines systems engineering and technology leadership.

HQ:	California, USA
Industry:	High Tech
Employees:	~12k
Revenue:	~\$12Billion



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Picture Credit | Customer Name, City, State/Country. Used with permission.

High Tech Manufacturing Company: Project Description

- Management System for Computer Chip Manufacturing System Acquisition and Reselling
- Enables the following:
 - Tracking of previously sold equipment
 - Acquired back from the used market
 - Refurbished
 - Sold to other customers.
- Multifaceted, complex and highly cross-functional project requiring features to enable acquisition analysis, data collection, approvals, inventory tracking workflows.
- Facilitates tracking, maintenance, and consumption of Computer Chip Manufacturing System inventory
 - Finished Good Inventory
 - Customer-Owned Computer Chip Manufacturing Systems



High Tech Manufacturing Company: Problem

- Improper data integration with installed base led to manually entered data for Computer Chip Manufacturing Systems
- Computer Chip Manufacturing Systems status not in sync with status/movement of goods on SAP ERP systems leading to fallout
- Current financial and supply-demand reports demand lot of manual effort for analysis and business alignment.
- Need for business to work with 2-3 different systems to get complete information



High Tech Manufacturing Company: Goals

- Enable a more scalable, easy to maintain and long-term application solution
 - Provide for real-time/near real-time integration with SAP ECC & CRM
- New & improved features, better performance
 - Intuitive user-interface and more automated business process
 - Advanced Mobile experience for users
 - Better document upload capacity and speed (~1TB)
- Current usability and avoid extensive retraining of users/stakeholders.
 - Technical currency and consistency



High Tech Manufacturing Company: On Track to Achieve Key Results

- Productivity increase by SAP milestone automation – 80%
- Reduce fallout by 80% of status and goods movement in alignment with SAP ERP
- Reduce turnaround time for approvals by 75%
- Reduce manual effort in inventory reconciliation and supply-demand capacities by 50% with better reporting
- Reduce need to work with different data systems/platforms by 80%
- Provide better visibility to track key event changes by 100% - Better transaction and module history view
- Reduce the manual effort in Field-Audit assessment using QR codes by 70%





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Solution

Reselling Computer Chip Systems




My Home ▾
🔍


ICAMS
ICAMS Admin
Approvals


Filter:


☐ Assigned To Me
 ☐ Unassigned


Milestone Tasks (5)


Search 🔍 ⬆️⬆️


Task Name	Transaction Number	Transaction Type	Transaction Title	Sent To	Sent On	Assigned To
Field Audit Assessment	CA110807	Purchase	Sample Title 1	Core Acquisition Program Managers	11/15/21	Unassigned
As Shipped Assessment	CA110999	Customer Core	Sample Title 2	Core Acquisition Program Managers	11/13/21	[My Name]
Foreign Trade Assessment	CA110883	Trade In	Sample Title 3	Core Acquisition Program Managers	11/11/21	[My Name]
Supplier Viability	CA110807	Purchase	Sample Title 1	Core Acquisition Program Managers	11/10/21	[My Name]
As Shipped Assessment	CA110807	Purchase	Sample Title 1	Core Acquisition Program Managers	11/10/21	[My Name]

ICAMS Transactions


ICAMS Modules


ICAMS Logistic Groups


ICAMS Module Tracker


ICAMS Tasks


ICAMS Admin

Manage Approval Hierarchy

Manage Products and Shipping Costs

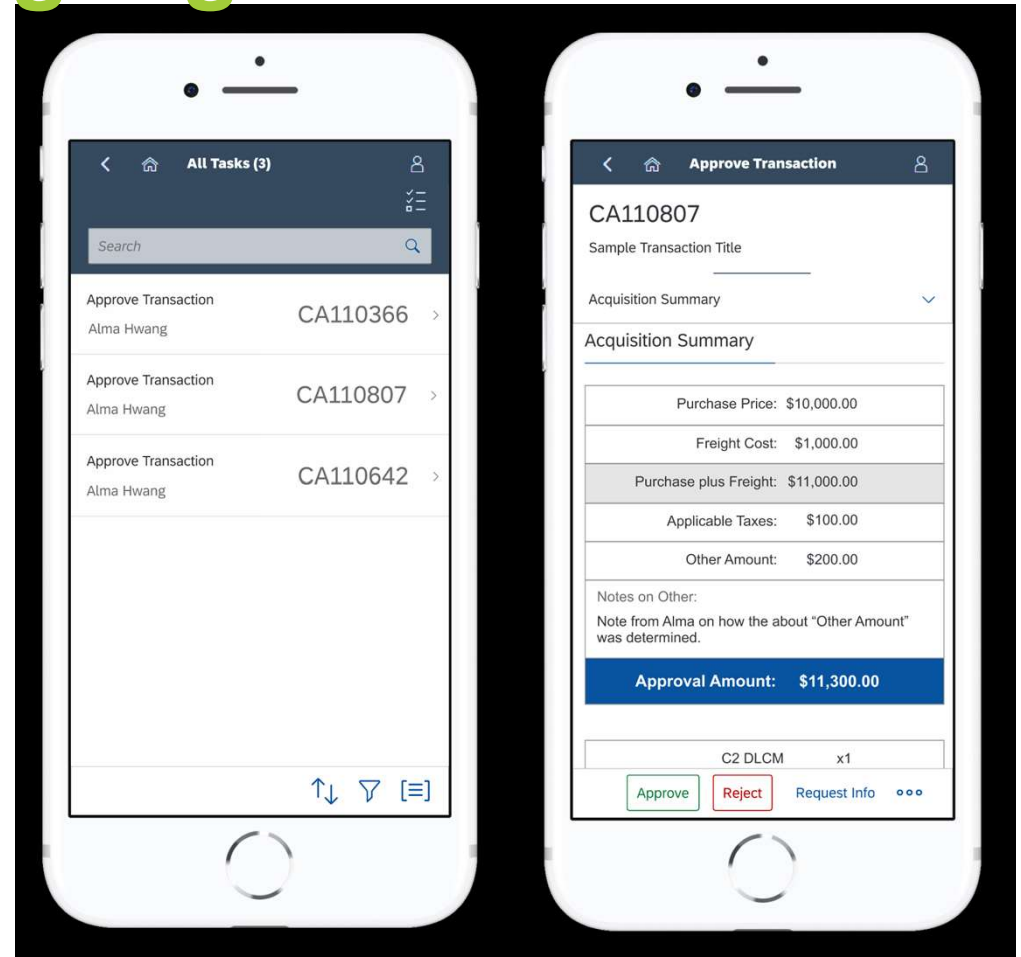
Manage Product Group Email List

Design & Product Highlights

Mobile-friendly approvals process for executives using BTP Inbox and responsive app design.

Approvers can easily receive, view, and action their work items wherever they are, from any device.

The BTP feature is being introduced in Lam for first time!




Design & Product Highlights

Automatically generated QR code on crate labels.

When out in the field, users can quickly scan the QR code using their mobile phone camera to open the relevant transaction information in ICAMS.


PART NUMBER

576-00000001



SERIAL NUMBER	DESCRIPTION	REFERENCE PART NUMBER
23FDX-278	Flex DX 2300	12345678900

TRANSACTION NUMBER	COPPER EXPOSURE	CRATE COUNT
CA110809	YES	1 of 2



AUDITOR

Person's Name
Number

COMMENTS

Example Comment

Design & Product Highlights

Progressive milestone tracker

Users can easily view the overall status/progress of the transaction workflow, start and complete them without having to navigate to a different screen.

Granular, searchable history.

Users are able to see history of changes to key fields, statuses and milestones, which is useful for context and auditing.

The screenshot displays the SAP ICAMS Transactions interface for transaction CA110810. The header shows the transaction title 'check document name1', status 'Pending', and type 'Trade-In'. Below this is a workflow diagram with 15 steps, each represented by a circular icon. The 'Transaction History' tab is selected, showing a search bar with filters for User (set to 'User'), Date Range (set to 'From-To'), and Event Type. Below the search bar is a table with 3 events.

Event	Event Type	New Value	Old Value	Changed By	Changed Date
Remit Payment Updated	Milestone Change	In Progress	Not Started	David Young	09/29/2021
Transaction Status Updated	Status Change	Approved	In Progress	David Young	09/29/2021
Available Date Updated	Field Change	30/09/2021	15/09/2021	David Young	09/29/2021

Design & Product Highlights

Flexible column layout used throughout ICAMS.

This layout allows users to see two levels of information at once (e.g. header and details), providing hierarchical context, maximizing the use of screen real estate, and minimizing the number of clicks needed to find information. Ultimately, this results in less duplication of information and fewer screens overall.

The screenshot displays the SAP ICAMS Modules interface. On the left, a list of modules is shown with columns for Part Number, Serial Number, Copper, Core Status, and Transaction Type. The module 00-13-C25879A is highlighted. On the right, a detailed view of this module is shown, including fields for Serial Number, Platform, Subsystem, Standard Description, Core Status, Demand Type, Product Description, Standard Cost, Reserves, and Net Value. The interface is designed to maximize screen real estate by allowing users to see two levels of information at once.

Part Number	Serial Number	Copper	Core Status	Transaction Type
576-000000N000132	00-13-C25879	No	Shipped	Pt
576-000000N000133	00-13-C25879A	Yes	Shipped	Pt
576-000000N000135	00-13-C25879B	No	Shipped	Pt
576-000000N000136	00-13-C25879C	No	Biz Ops Hold	Pt
576-000000N000149	00-2-C25803A	N/A	Slotted	Pt
576-000000N000150	00-2-C25803B	No	Slotted	Pt
576-000000N000151	00-21-C25935	Decon	Biz Ops Hold	Pt
576-000000N000152	00-22-C25940A	Decon	Approved	Pt
576-000000N000153	00-22-C25940T	No	Quoted	Pt

Design & Product Highlights

Comments are displayed in a conversational-style thread for easy reading and context.

Users can easily follow the progression of the conversation and see important information about each comment, including user and time stamp.

Comments

Add a comment...

>

George Washington: Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

Dec 21, 2014

You: Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, ... MORE

Nov 24, 2014

George Washington: Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore

Nov 22, 2014

You: Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat

Jan 16, 2014

Conclusion and Q&A



Where SAP Process Automation can help



Data Collection

Consolidate and manipulate data & documents from multiple data sources, e.g., employees, vendors, websites, applications



High Volume Transactions

Handling process steps multiple times, like copy & paste e.g., data entry, report generation, data migration



Extended Core Business Processes

Digitize the entire journey across multiple applications during process execution e.g. web application, SAP S/4HANA, and non-SAP systems



Approvals

Dynamic workflows for various processes that help collect necessary approvals, update system of records and manage initiatives & budgets



Simplify New Processes

Elevate employee experience by creating new extended digitized processes with seamless integration with SAP and non-SAP applications



Process Visibility

Get visibility of live process journey, time taken at each step & entire process, where are requests, SLAs breached, escalations

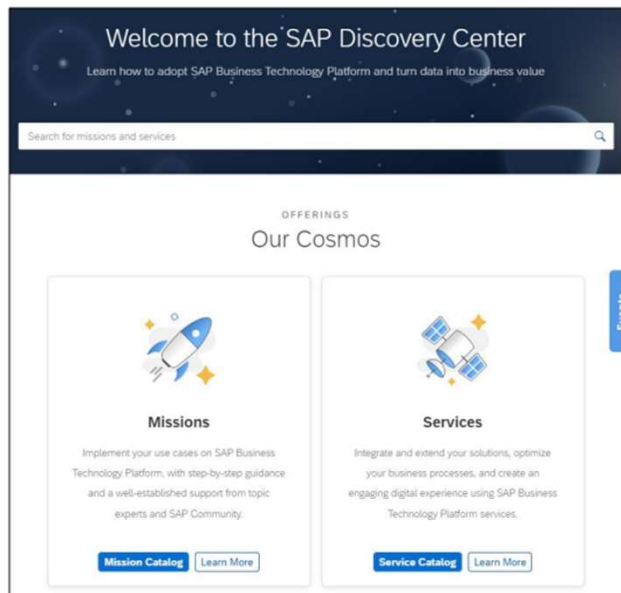
SAP Discovery Center

The Resource for SAP BTP Information & Guidance

Discovery Center
Demo Video



Explore BTP Use Cases & Services



[SAP Discovery Center](#)

Find all SAP BTP related information

- [Use cases](#)
- [Free Tier Services](#)
- [Business Services](#)

Realize the Use Cases as a Mission

- Step-by-step guidance and tutorials
- Structured project board with phases and tasks
- Collaboration with SAP experts and partners

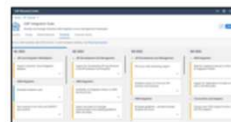


Be Inspired by Customer Stories

Take a look at [other customers' success](#)

Gain More Insights Into the Service(s)

- [Roadmaps](#)
- [Service plans](#)
- [Retiring services](#)



Discover the
B and T of SAP BTP
with a 360° view

Adapt the Architecture
Adjust your architecture
and create your own
solution diagram



Analyze & Estimate Costs

Check [pricing](#) with the integrated [estimator](#)



How to get started

Join our **SAP** communities

- [SAP Intelligent RPA](#)
- [SAP Workflow Management](#)



Workflow



RPA

Read the **Solution Brief:** [Innovate at the Speed of Business with Process Automation for Everyone](#)

Thank you.

More questions? Contact us!

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