



Hands-on Lab: Create Skills for SAP Joule with SAP Build

VASS

OCTOBER 2025

VASS, complex made simple.



SAP Joule

Activation & Configuration of SAP Joule for S/4HANA, BTP, Sales & Service Cloud, Analytics Cloud and more. Enable AI-assisted development with SAP Joule for Developers.



SAP Integration Suite

Implementations, migrations, and deployments of SAP Integration Suite. Support for EDI deployments, API Hub, and Open Connectors.



SAP Business Data Cloud

Initial sizing, planning, and deployments of SAP Datasphere, SAP HANA Data Lake, Analytics Cloud, Cloud Data Integration, and optionally, Data Bricks. Activation of Intelligent Apps



SAP Build

Activate, educate and deploy SAP Build within your environment. Low-code and Pro-code solutions enable customers' to build app extensions that are clean core compliant. Includes SAP WorkZone and Business Process Automation



SAP Joule Agents

Develop custom SAP Joule Skills. Ground SAP Joule with customer knowledge and project documents. Extend SAP Joule to Microsoft Teams. Activation of SAP Joule Agent Builder

OUR ACCELERATORS



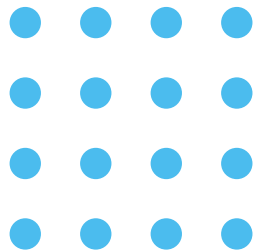
OUR PARTNERSHIPS



01

SAP Build

Lab Overview



Lab Overview

Getting to Know SAP Build

SAP Build Apps

- Platform for building and deploying application extensions in SAP Landscapes
 - Business Process Automation
 - Business Application Studio
 - Joule Skill Builder
 - Soon* - Joule Agent Builder
- Automations & Joule Skills can work together for complex business scenarios

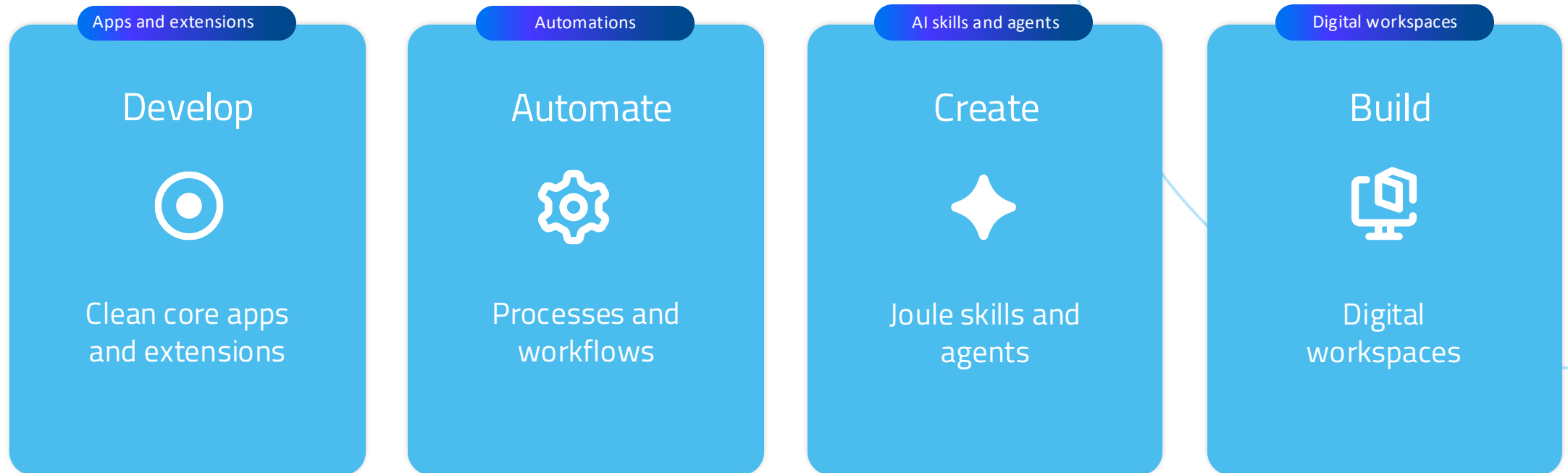
SAP Joule Studio

- Primary User Interface for developing new skills for SAP Joule – specifically deterministic tasks.
- Connect to on-premise SAP ERP, S/4HANA via Cloud Connector
- Connect to S/4HANA Cloud, Sales/Service Cloud, Field Service Mgmt, Ariba and more via Destinations
- Utilize ANY accessible ODATA or REST API

Available to ALL SAP Customers

What does SAP Build allow me to do?

Getting to Know SAP Build



Build extensions with or without code

Getting to Know SAP Build

Apps and extensions

Automations

AI skills and agents

Digital workspaces



Build with the flexibility of the low-code and pro-code methods working hand in hand



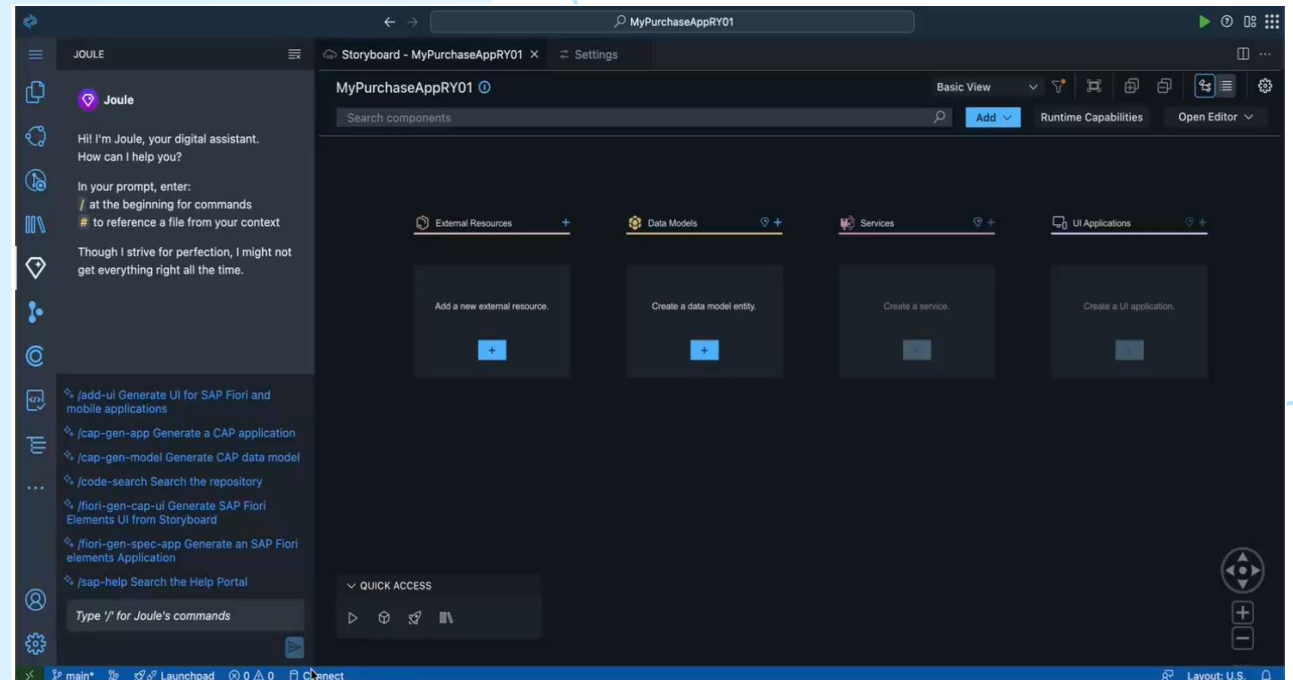
Get coding assistance from Joule, your copilot for using generative AI



Develop faster with turnkey data integrations



Leverage different environments and build with ABAP, CAP, SAPUI5, SAP Fiori and Native Mobile



SAP BTP services: • SAP Build Code • SAP BTP ABAP environment • SAP Build Apps • SAPUI5

Automate Processes

Getting to Know SAP Build

Apps and extensions

Automations

AI skills and agents

Digital workspaces



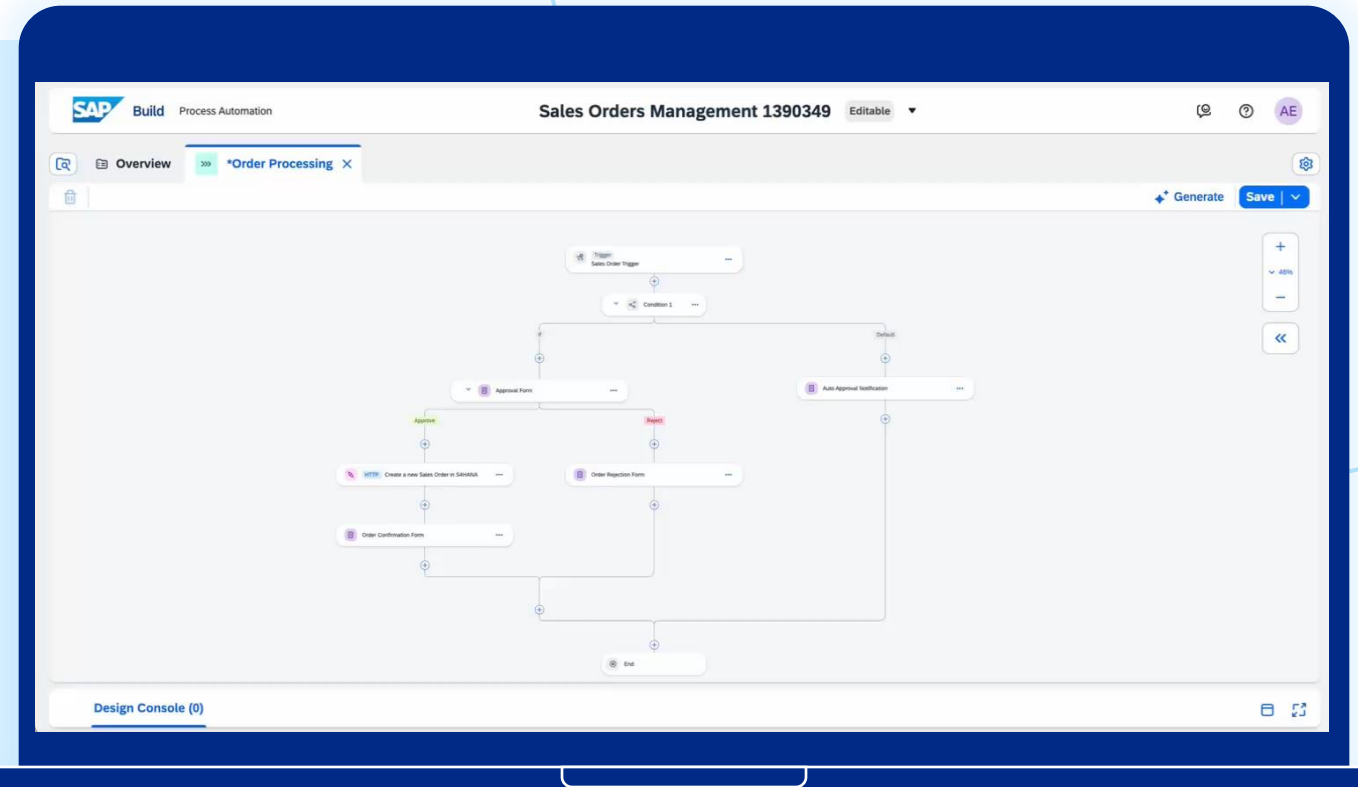
Create, manage, and visualize workflows, automations, and business rules with drag-and-drop simplicity



Use built-in AI for process generation, explanation and intelligent document processing



Automate faster using prebuilt solutions, bots, and connectors for SAP and third-party systems



SAP BTP service: • SAP Build Process Automation

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Build Joule Skills & Joule Agents

Getting to Know SAP Build

Apps and extensions

Automations

AI skills and agents

Digital workspaces



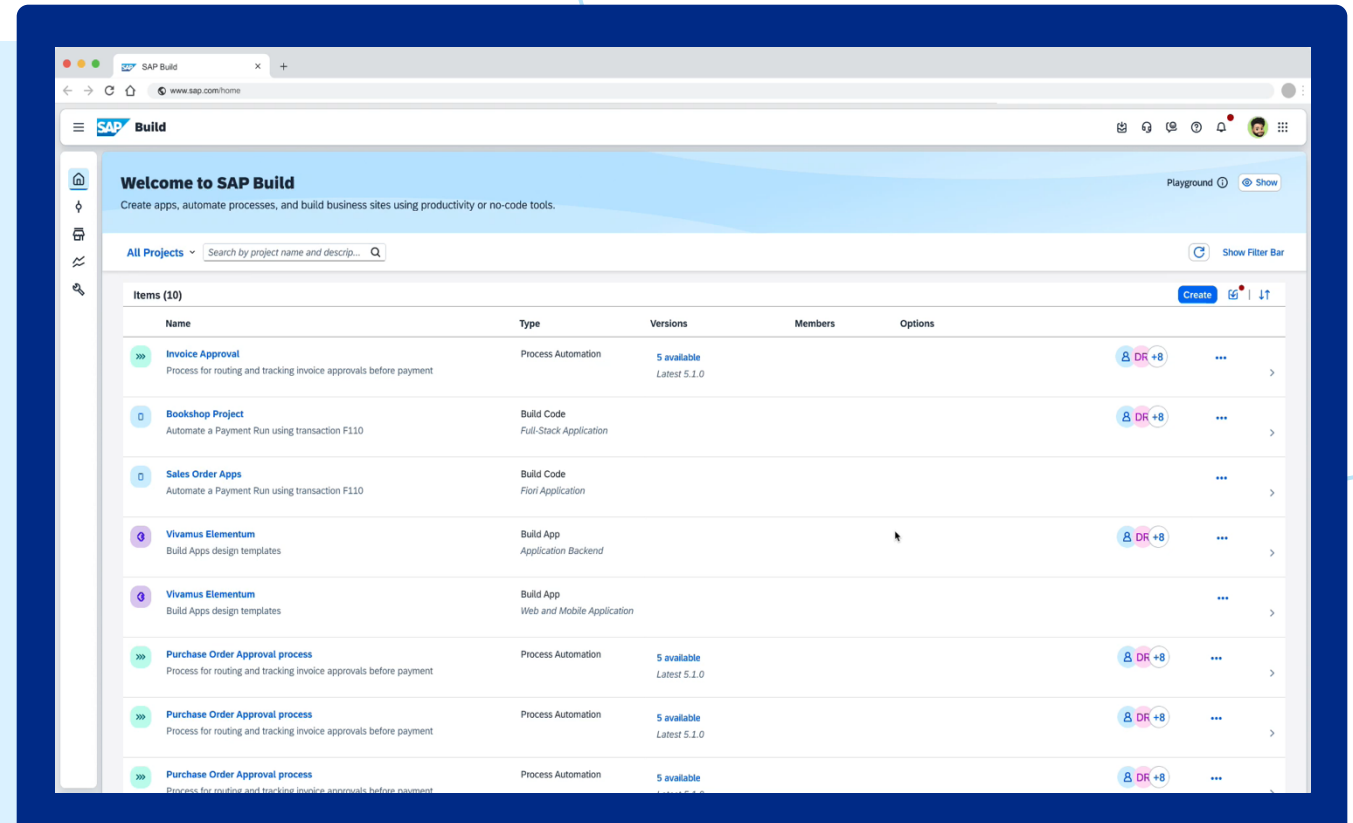
Bring data and transactions from SAP and third-party apps into Joule to provide a unified conversational experience



Build AI agents and Joule skills that understand and solve business problems



Govern AI agents centrally within SAP Build for built-in enterprise-grade security



Build Digital Work Spaces

Getting to Know SAP Build

Apps and extensions

Automations

AI skills and agents

Digital workspaces



Create and customize **business sites** with drag-and-drop simplicity and



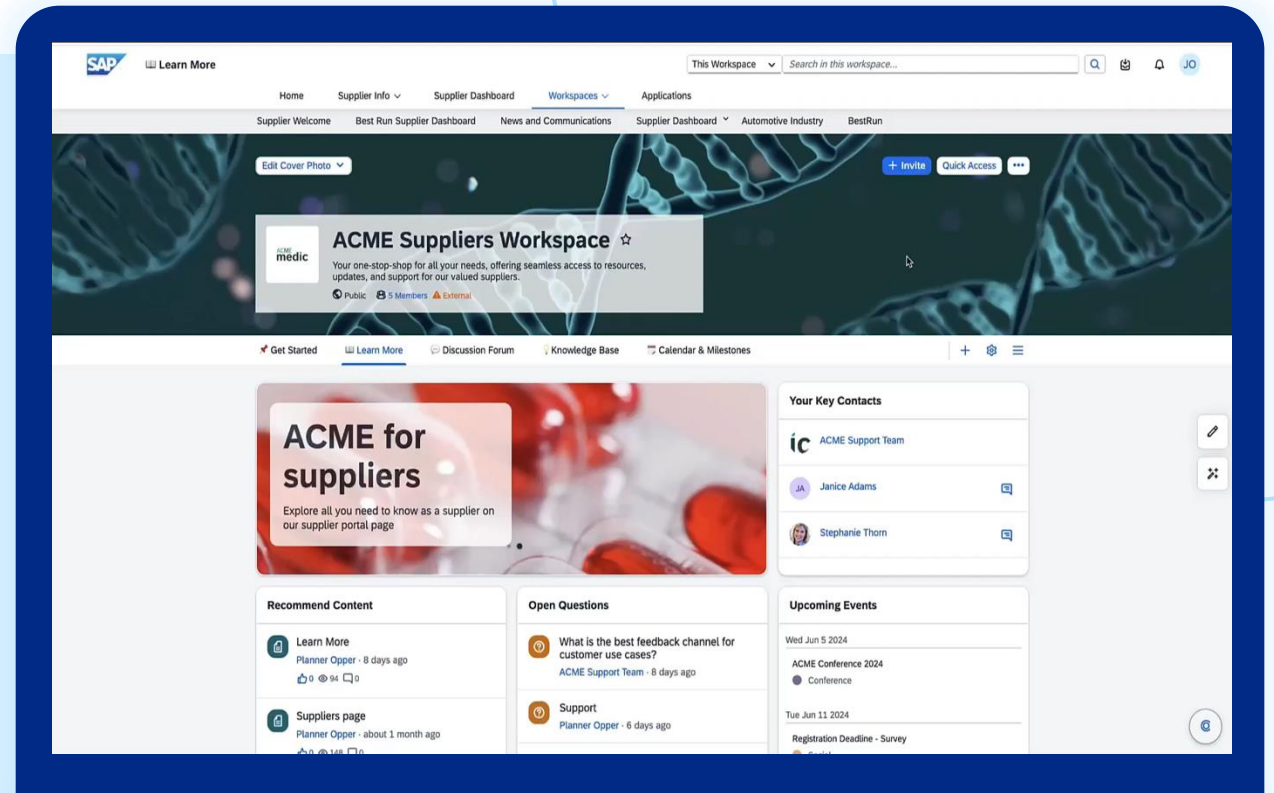
Use content and **knowledge** from the workspaces in Joule directly through document grounding



Surface personalized recommendations, insights, and actions



Centralize your **apps** and **share access** on any device



SAP BTP service: • SAP Build Work Zone, advanced edition

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Configuration of SAP BTP

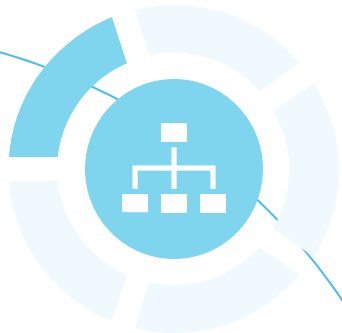
How do I get started?

Components

- SAP Identity & Authentication Service
- SAP Cloud Connector (for on-premise)
- SAP BTP Enterprise Agreement or Pay-as-Go
- Licenses Required for this Lab
 - SAP Build Developer (your license today)
- SAP Build Automated-Configuration Complete
- Joule Booster Executed

Provision Subaccounts

1



Integrate IDP

2



Setup Roles

3



Plan Activations

4



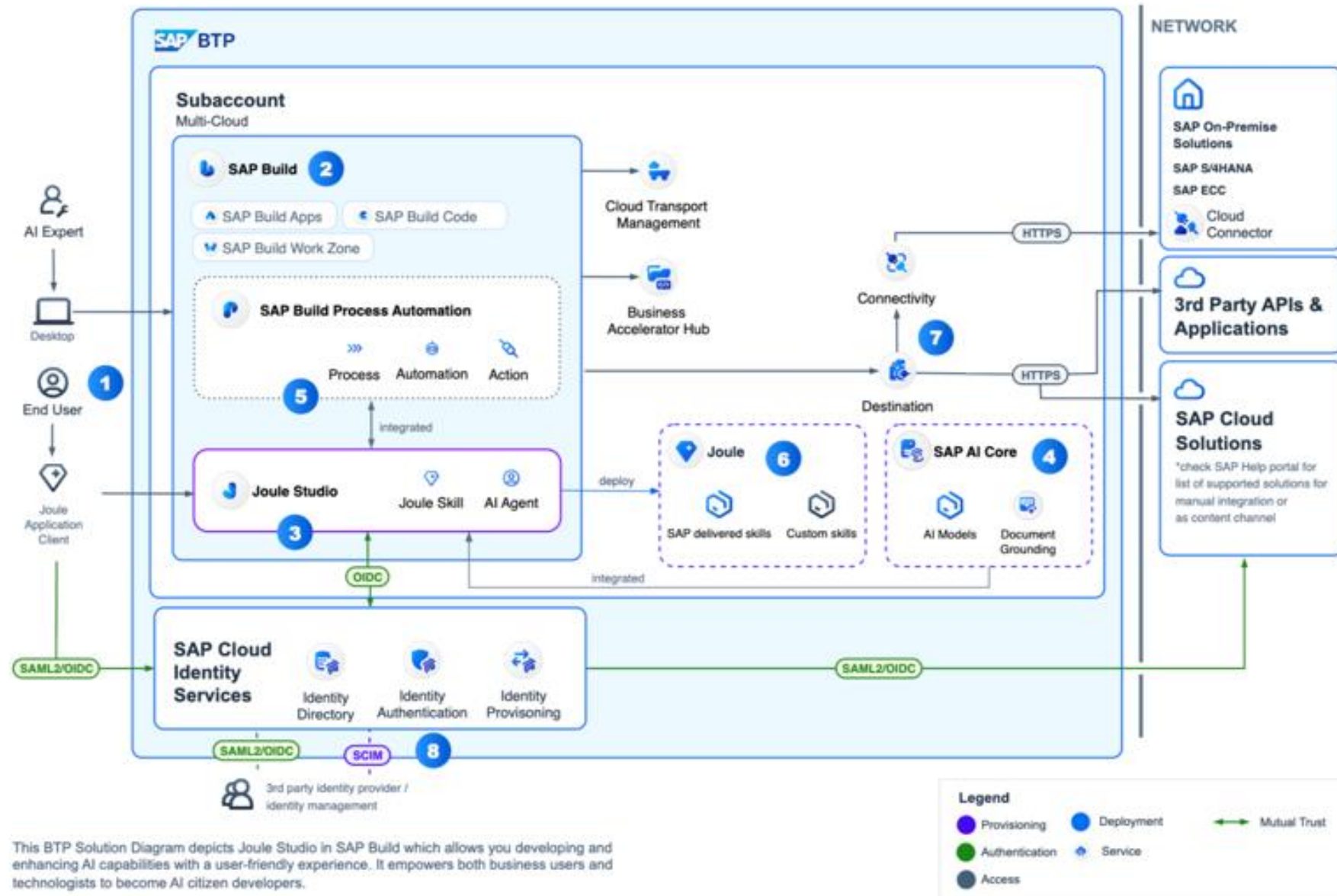
Production Execution

5



Example Architecture

Putting it all together



Automated Setup

SAP Cloud Integration Automation Service

SAP Cloud Integration Automation Service - Plan for Integration

Integration Solutions and Scenarios

Select a cloud integration solution and its scenario.
To learn about the pre-requisites to use in Cloud Integration Automation Service, [click here](#)

Expand All Collapse All Scenario Type: ☒ Cloud ☒

Build

- ▼ SAP Build
 - Provision SAP Build on SAP BTP
 - Provision SAP Build on SAP BTP with S/4HANA Cloud Private Edition Integration
- ▼ SAP Build Work Zone Integration
 - SAP Build Work Zone Standard Edition Integration with SAP S/4HANA
 - SAP Build Work Zone Standard Edition Integration with SAP S/4HANA Cloud

Provision SAP Build

Please select the scenario option and proceed with the integration.

Scenario Options (1)

Provision SAP Build on SAP BTP

Description Scenario Entities **Scenario Tasks**

Tasks which are a part of the selected scenario can be seen below.

Expand All Collapse All

- ▼ SAP Business Technology Platform
 - Create SAP BTP Subaccount
 - Cloud Foundry Environment Entitlement
 - Enable Cloud Foundry Environment
 - Create Space

Activate Free Service on Marketplace

Automates all setup tasks for SAP Build

Pause and Resume Anytime

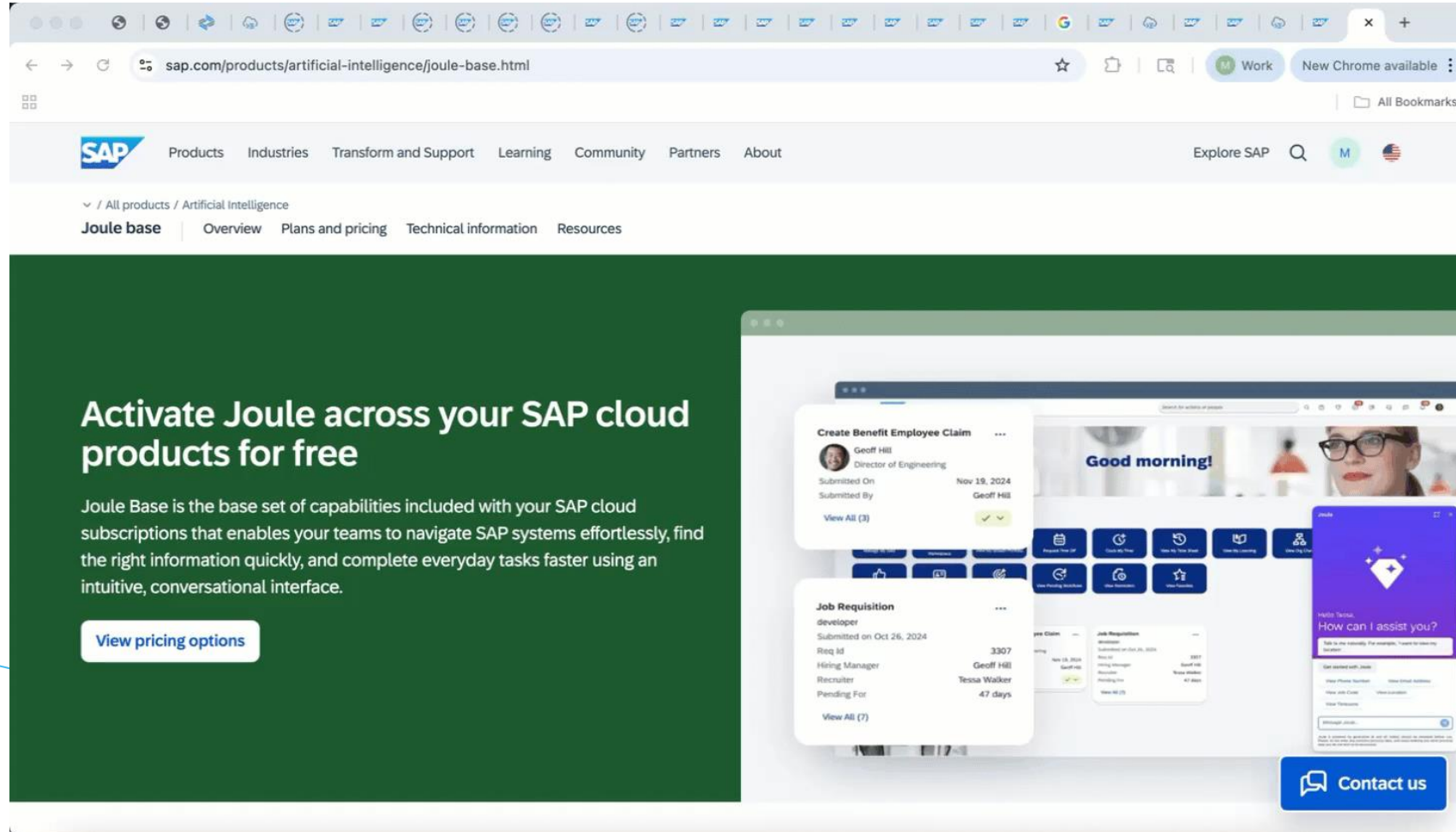
Detailed Logging



Automated Setup Demo

Everyone gets SAP Joule Base

Yes, even if you're an on-premise customer



The screenshot shows the SAP website's product page for Joule Base. The browser address bar displays `sap.com/products/artificial-intelligence/joule-base.html`. The page features a green header with the SAP logo and navigation links. Below the header, a breadcrumb trail indicates the location: `/ All products / Artificial Intelligence`. The main content area has a dark green background with the heading **Activate Joule across your SAP cloud products for free**. A subheading explains that Joule Base is included in SAP cloud subscriptions and provides a conversational interface for navigating SAP systems. A **View pricing options** button is located below the text. To the right, a preview of the Joule Base interface is shown, featuring a 'Good morning!' greeting, a grid of action buttons, and a sidebar with a 'Create Benefit Employee Claim' card and a 'Job Requisition' card. A 'Contact us' button is at the bottom right of the preview.

Activate Joule across your SAP cloud products for free

Joule Base is the base set of capabilities included with your SAP cloud subscriptions that enables your teams to navigate SAP systems effortlessly, find the right information quickly, and complete everyday tasks faster using an intuitive, conversational interface.

[View pricing options](#)

Good morning!

Create Benefit Employee Claim

Geoff Hill
Director of Engineering
Submitted On: Nov 19, 2024
Submitted By: Geoff Hill
View All (3)

Job Requisition

Developer
Submitted on Oct 26, 2024
Req Id: 3307
Hiring Manager: Geoff Hill
Recruiter: Tessa Walker
Pending For: 47 days
View All (7)

How can I assist you?

[Contact us](#)

<https://www.sap.com/products/artificial-intelligence/joule-base.html>

1) Do I need to buy AI Units?

- 1) No, you do NOT need to buy AI Units to use SAP Build, SAP Business Application Studio, or BPA.
- 2) Today, AI Units are only required for “Premim AI” solutions, Document Grounding, Document AI.

2) How long does activation of SAP Build take?

- 1) Once you get SAP IAS setup with Corp IDP, it moves very quickly. Typically less than –2 days

3) Where can a deploy Joule Skills?

- 1) Shared Environment – Joule instance shared with other cloud solutions (i.e. S/4HANA)
- 2) Standalone Environment – Meant for testing Joule Skills in a standalone environment (our lab is Standalone)

How does connectivity to SAP S/4HANA Work?

Best Practice

- 1) Setup a Destination in SAP BTP
- 2) Set Authorization to SAMLAssertion
 - 1) Cloud Connector with Principal Propagation for on-premise
- 3) Set Additional Parameters to use Destination with SAP Build

The screenshot shows the SAP BTP Destination configuration interface. The main panel displays the 'Subaccount: SAP Build TDD - Destinations' and the 'S4HANADEV' destination details. A table lists several destinations, with 'S4HANA...' selected. An 'Additional Properties' overlay is shown, detailing various configuration parameters.

Subaccount: SAP Build TDD - Destinations
All: 31

S4HANADEV [Edit] [Export] [Duplicate] [Delete] [Check Connection]

Destination Details
Source: New destination from scratch
Created On: 24 Oct 2025, 18:43:17 (GMT-06:00)
Modified On: 27 Oct 2025, 13:37:35 (GMT-06:00)

Main Properties
Name: S4HANADEV
Type: HTTP
Description: S4HANA Dev Tenant
https://my421462.s4hana.cloud.sap
Proxy Type: Internet
URL: https://my421462-api.s4hana.cloud.sap

Authentication
Authentication: SAMLAssertion
Key Store Location: (empty)
Key Store Password: (hidden)

Identity...	Protocol	Internet	S4 my42...
my4214...	HTTP	Internet	S4 my42...
p9a_10...	HTTP	Internet	P9A_100 ...
S4 HAN...	HTTP	Internet	SAP S/4H...
S4 HAN...	HTTP	OnPremise	SAP S/4H...
S4HANA	HTTP	OnPremise	SAP S/4H...
S4HAN...	HTTP	Internet	S4HANA ...
S4HAN...	HTTP	Internet	S4HANA ...

Additional Properties

Key:	Value:
WebIDEUsage	odata_gen
WebIDEEnabled	true
HTML5.Timeout	60000
HTML5.DynamicDestination	true
x-system-type	SAP S/4HANA Cloud

Trust Store configuration
Configure the client trust store settings for the destination endpoint.



Running the Joule Booster

Setting Up Joule

1 Check Prerequisites — 2 Set Up Subaccount — 3 Select Integrations — 4 Select Capabilities — 5 Set Up Integrations — 6 Review

Set Up Subaccount

Provide the details of the subaccount

Setting Up Joule

1 Check Prerequisites — 2 Set Up Subaccount — 3 Select Integrations — 4 Select Capabilities — 5 Set Up Integrations — 6 Review

Select Capabilities

Select one or more SAP products which you want to integrate with Joule

Capability Packages:

☒ Store conversation data submitted by users

Setting Up Joule

1 Check Prerequisites — 2 Set Up Subaccount — 3 Select Integrations — 4 Select Capabilities — 5 Set Up Integrations — 6 Review

Create Formation ⓘ

Formation Type: Integration with Joule

Formation Name: * joule-vass-sap-build-ai2

Include Systems ⓘ

Joule System: * Automatically Included

Identity Authentication System: * apbwxehrk - https://apbwxehrk.accounts.ondemand.com

SAP Build Process Automation System: * 6f56889b-403f-4299-a954-c095a4127664 - https://vass-sap-build-ai2.us10.process-automatio...

SAP Build Work Zone System: * eef87921-fa0e-46c6-916e-d237a503c739 - https://vass-sap-build-ai2.dt.launchpad.cfapps.us1...

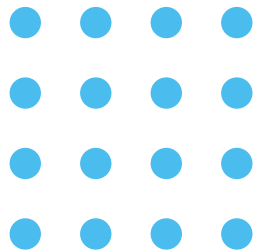
SAP S/4HANA Cloud System: * my421457.s4hana.cloud.sapv2 - https://my421457.s4hana.cloud.sap

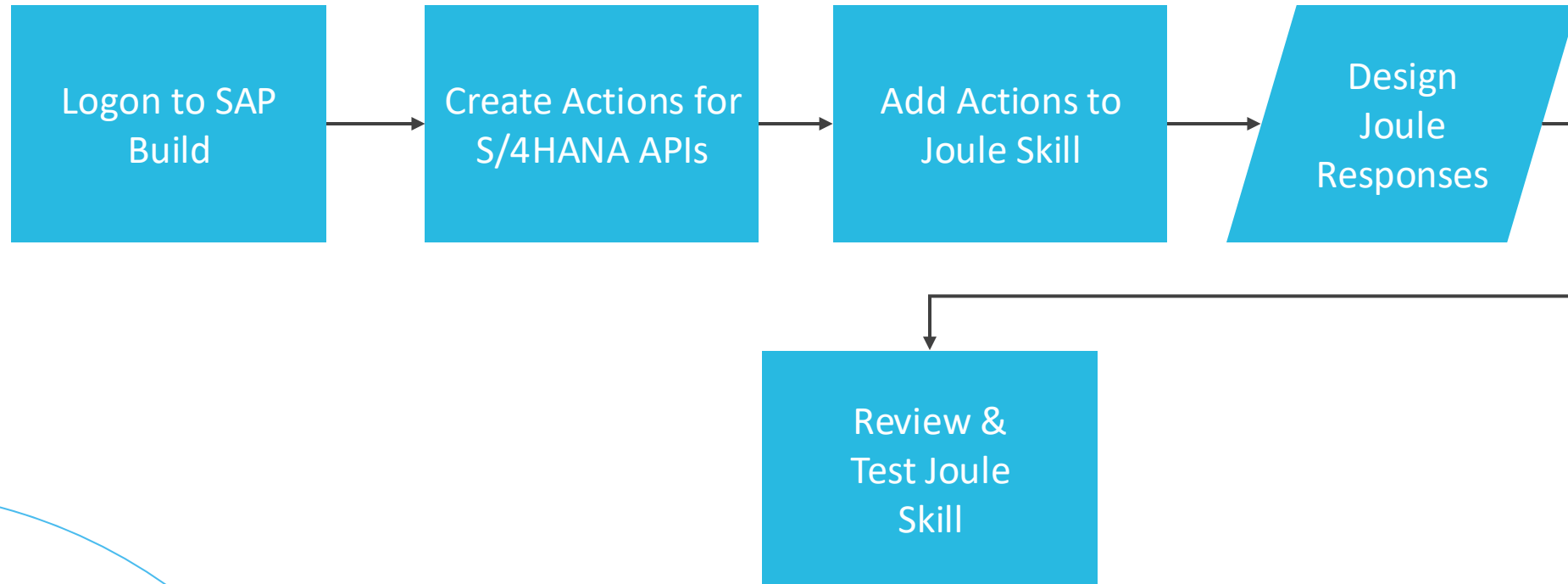
Previous Step Next Step Cancel

02

SAP Details

Lab Overview





Lab Details

Important Details

- Browser: Please use Google Chrome for this lab
 - If needed, create a new Chrome profile to avoid cache and other passwords
- UserIDs
 - Labuser###@vasscompany.com
 - Password: Newpa55!
- Lab Exercises: <https://github.com/MichaelPytel-VASS/LabExercises>
- Important URLs
 - SAP BTP URLs:
 - [Global Account Direct Link](#)
 - [SAP Build Sub Account Link](#)
 - SAP Build App URLs
 - [SAP Build Apps](#)

Next Steps

Recommendation Action

- Vass will lead the demo on screen
- Ask questions in Chat first
- Interrupt verbally if you feel like you aren't getting support
- Ask questions!

Email us!

- Michael.Pytel@vasscompany.com
- aleksandrs.antonuks@vasscompany.com
- Gabe.Mensching@vasscompany.com

Thank you for your time



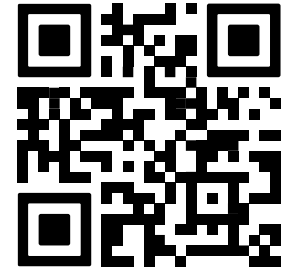
Questions?

Yosh Eisbart

Vice President, SAP North America

yosh.eisbart@vasscompany.com

Phone: +1 303 667 9617



Scan here

Backup

VASS is a trusted SAP Gold Partner

Driving **Innovation**, Meaningful **Business Transformation**, and SAP **Investment Optimization**.



What makes VASS different?

VASS

LEADING WITH EDUCATION

Our methodology focuses on the outcomes our customer's need, guiding informed decisions to architect and implement SAP solutions that deliver real business value.

GLOBAL CAPABILITIES. LOCAL TOUCH

VASS North America has a dedicated team of Sr. SAP Experts with 200+ years of combined experience delivering successful SAP transformations in the region.

GLOBAL SAP PRACTICE

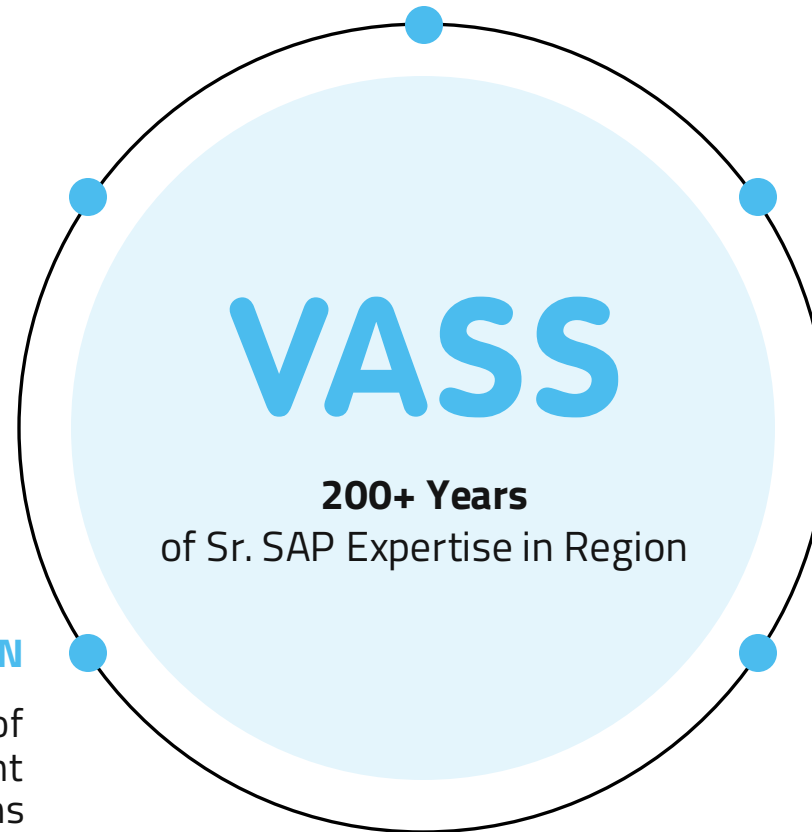
Our local depth is strengthened by VASS's global SAP practice of 500+ experts, 250+ certifications, and delivery across 26+ countries.

INNOVATION-DRIVEN

Our Experts are at the forefront of embedding AI and intelligent automation into SAP programs from day one to maximize ROI.

INDUSTRY-SPECIFIC SOLUTIONS

We built tailored accelerators across the full suite of SAP practices (ERP, CX, DSP, BTP, AI) for faster time-to-value.



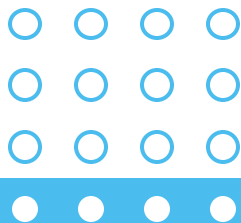
Our Products and Services



VASS is a trusted SAP Gold Partner, helping customers maximize their SAP investment and achieve customer-first business outcomes.

TOP 3 BENEFITS

- Fast SAP business outcomes via preconfigured cost-effective solutioning and rapid deployment expertise.
- Embedded AI and automation across SAP applications from day one.
- Global SAP consulting leveraging local leadership, architects, and management complemented with regional right-shoring creative delivery.



+200

Years of Sr. SAP Expertise In Region

+500

SAP Experts across 26 Countries

+250

SAP Certifications

We help enterprises accelerate modernization through:

SAP ERP transformation
(GROW and RISE programs).

Customer Experience (CX) and
SAP Marketing Cloud deployments.

Digital Supply Chain optimization and field
service management.

SAP Business Technology Platform (BTP)
innovation and low-code extensions.

Embedded SAP Business AI and intelligent
automation across workflows.

OUR ACCELERATORS



OUR PARTNERSHIPS



We operate in more than 26 countries

- USA

CANADA

AUSTRALIA
- MALAYSIA

SINGAPORE
- CHILE

COLOMBIA

MEXICO

PERU
- BELGIUM

GERMANY

GREECE

SWITZERLAND
- LATVIA

LUXEMBOURG

PORTUGAL

ROMANIA
- SPAIN

SWEDEN

THE NETHERLANDS

UNITED KINGDOM
- NORTH MACEDONIA

ITALY

FRANCE



VASS North America SAP Leadership

VASS



Amit Venugopal

Global SAP Practice Leader
30 Years SAP – Vancouver CAN



Yosh Eisbart

VP, SAP North America
25 Years SAP – Denver CO



Sheldon Lipshitz

SAP CX NA Practice Leader
20 Years SAP – Dallas TX



Shilpa Haran

SAP Commerce Global Director
20 Years SAP – Chicago IL



Michael Pytel

SAP BTP & BDC Practice Leader
20 Years SAP – Denver CO



Gabe Mensching

SAP ERP Ent. Architecture Sr Dir.
15 Years SAP – Denver CO



Rick Fischer

SAP Supply Chain Director
20 Years SAP – Greenville SC



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15 Years SAP – Santa Fe NM



Mary Thomas

SAP S/4HANA (OTC) Leader
15 Years SAP – Denver CO



Annie DiCenzo

SAP S/4HANA (PP/MM) Leader
20 Years SAP – Fort Myers FL



Nhuan Huynh

SAP CX & CDP Solution Architect
25 Years SAP – Vancouver CAN

200+ Years
Expert SAP Leadership
In Region

What we do

Core SAP BTP & BDC Offerings



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Proven SAP experience and expertise



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Thank you!

