

Hands-on Lab:
Deploying Fiori Apps
for S/4HANA with
SAP Joule for
Developers

**VASS** 

CTOBER 2025



# VASS, complex made simple.





#### SAP Joule

Activation & Configuration of SAP Joule for S/4HANA, BTP, Sales & Service Cloud, Analytics Cloud and more. Enable AIassisted development with SAP loule 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 Ioule Skills. Ground SAP loule with customer knowledge and project documents. Extend SAP Joule to Microsoft Teams. Activation of SAP Joule Agent Builder

**OUR ACCELERATORS** 





















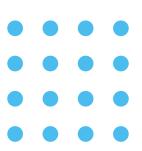


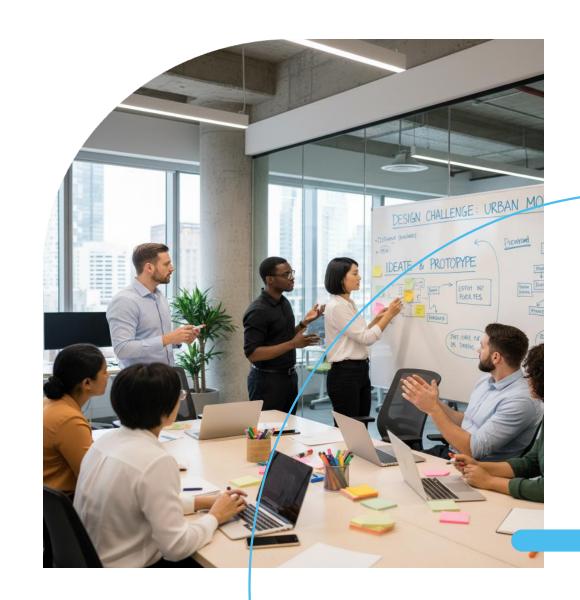
## **VASS**

# 01

## **SAP Build**

Lab Overview





## Lab Overview

## Getting to Know SAP Build

## **SAP Build Apps**

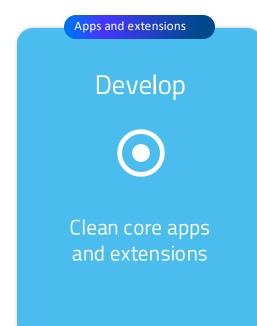
- Goto Platform for building and deploying application extensions in SAP Landscapes
  - Business Process Automation
  - Business Application Studio
  - Joule Skill Builder
  - Soon\* Joule Agent Builder
- Build Fiori Apps on SAP Build export and deploy on-premise.

#### **SAP Joule for Developers**

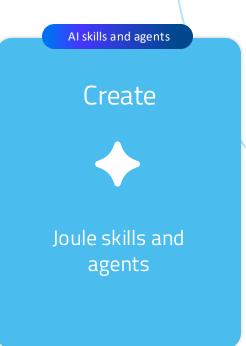
- Joule for Developers is free until Q3 2026
  - Learn about how to activate here
- Al-assisted coding available with
  - SAP Build tools
  - ABAP Development Tools for ABAP Cloud
- Already available for S/4HANA Public Cloud
- Soon to be released for S/4HANA Private Cloud
- Accessed via ABAP Development Toolset
  - https://tools.hana.ondemand.com/#abap >
     Install ADT

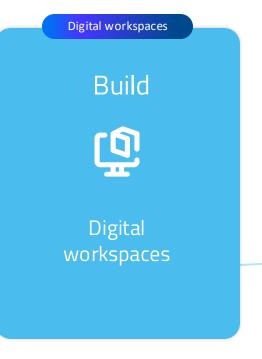
## What does SAP Build allow me to do?

Getting to Know SAP Build











## Build extensions with or without code

Getting to Know SAP Build

Apps and extensions

Automations

Al skills and agents

Digital workspaces



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



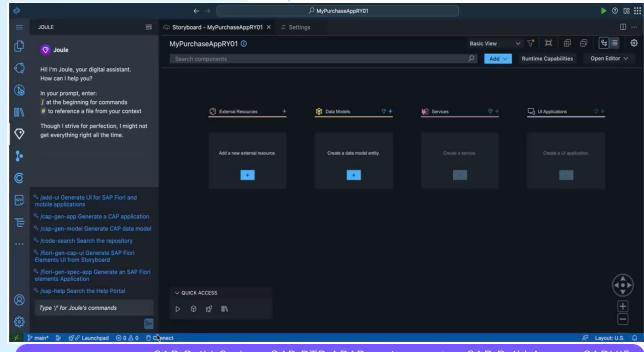
Get coding assistance from Joule, your copilot for using generative Al



Develop faster with turnkey data integrations



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







## **Automate Processes**

## Getting to Know SAP Build

Apps and extensions

**Automations** 

AI skills and agents

Digital workspaces



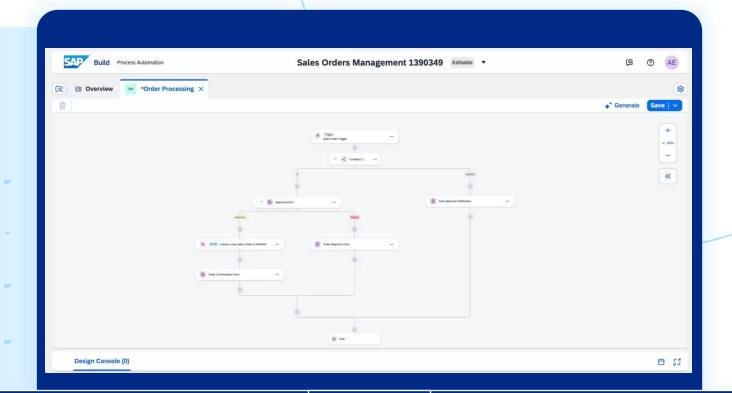
Create, manage, and visualize workflows, automations, and business rules with drag-and-drop simplicity



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





## Build Joule Skills & Joule Agents

Getting to Know SAP Build

Apps and extensions

**Automations** 

AI skills and agents

Digital workspaces



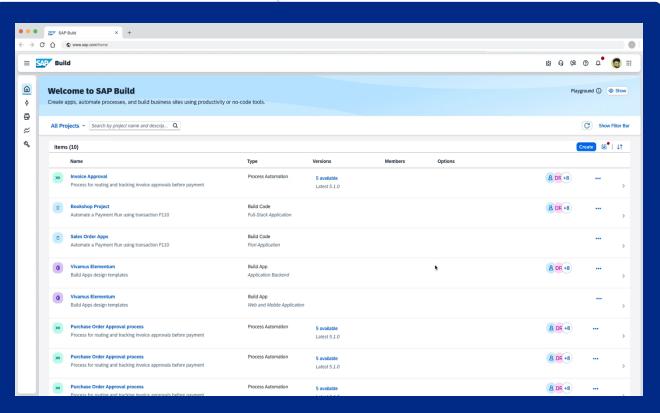
Bring data and transactions from SAP and thirdparty apps into Joule to provide a unified conversational experience



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

Al skills and agents

Digital workspaces



**EXIS** 

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



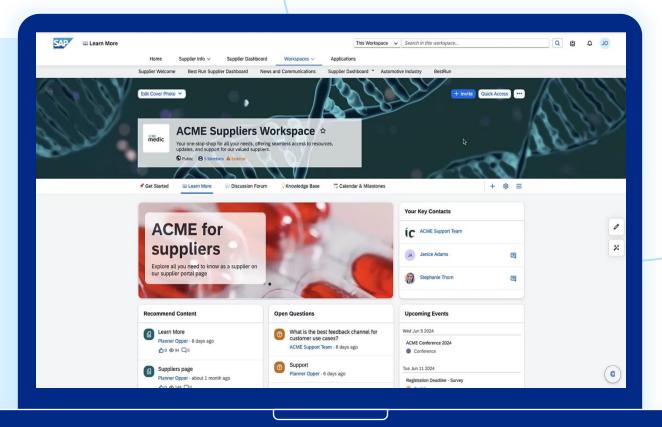
Use content and knowledge from the workspaces in Joule directly through document grounding



Surface personalized recommendations, insights, and actions



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



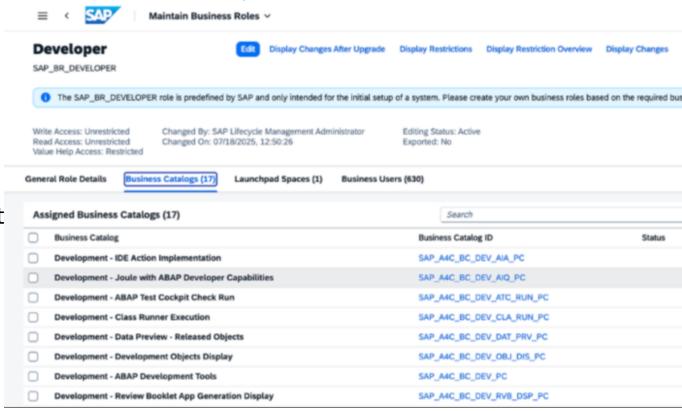


## Ordering Joule, ABAP AI Capabilities

When I'm ready

#### SAP Joule, ABAP AI Capabilities

- Contact your Account Executive to purchase the SAP Joule for Developers, ABAP AI capabilities license (SKU ID: 8019124). The AE will create an order containing the license material.
- Once the purchase is complete, ABAP development systems will be enabled for ABAP AI capabilities within 48 hours.
- To start using Joule capabilities in ABAP, ensure you have the required authorizations. For details, see the <u>documentation</u> and screenshot





## **Configuration of SAP BTP**

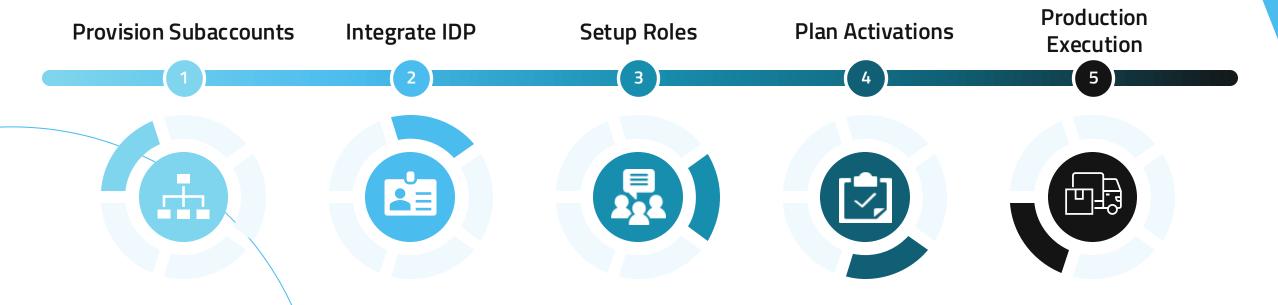


## How do I get started?

#### 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)

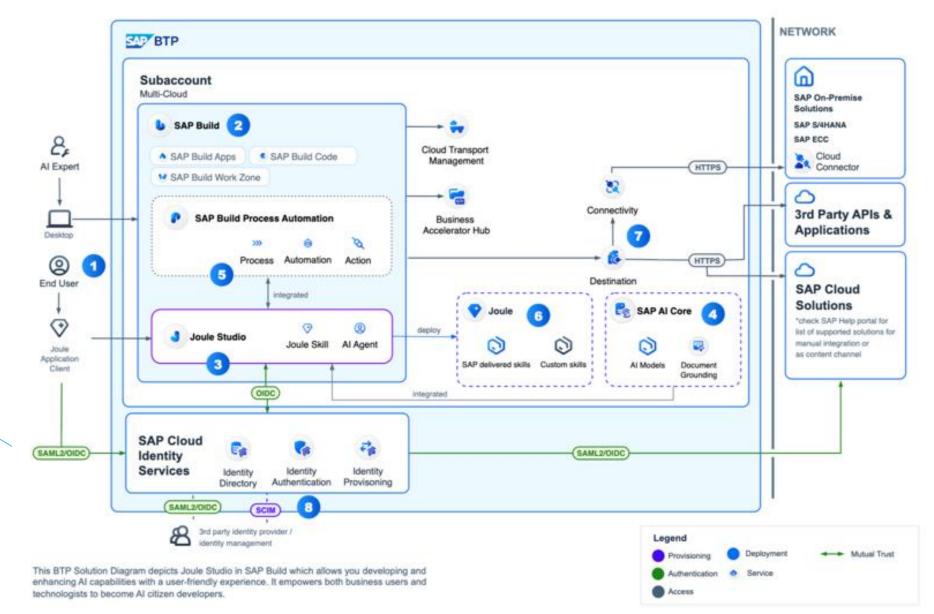


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## **Example Architecture**

## VASS complex made simple

## Putting it all together

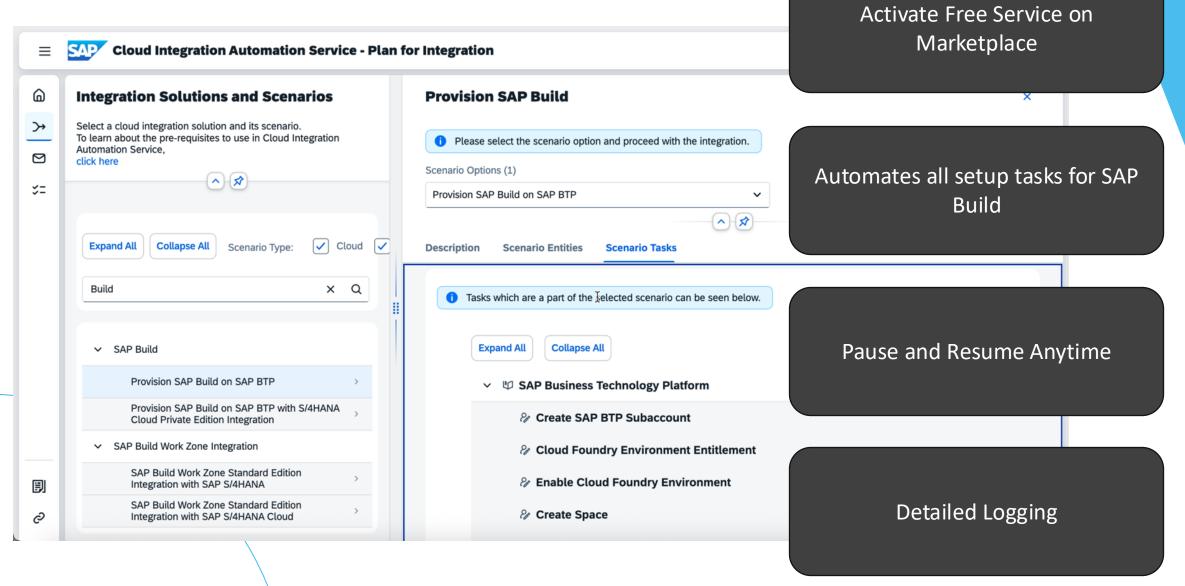


## **Automated Setup**



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SAP Cloud Integration Automation Service



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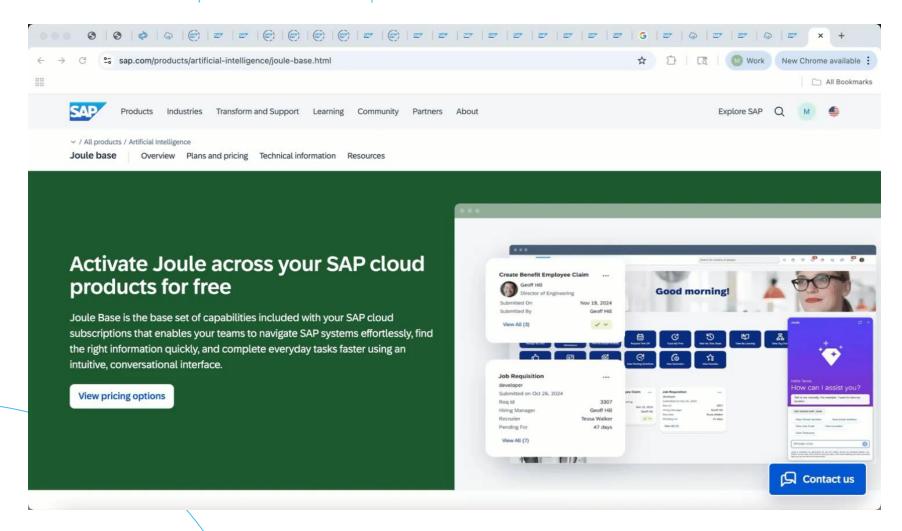


## **Automated Setup Demo**

## Everyone gets SAP Joule Base



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



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

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## Frequently Asked Questions



- 1) Do I need to buy Al Units?
  - 1) No, you do NOT need to buy Al 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) Can apps only run on SAP BTP?
  - 1) No, you can export Fiori Apps from SAP Build directly to your on-premise S/4HANA System
- 3) If I wanted to run app on SAP BTP, where would they run?
  - 1) SAP Work Zone is a great solution. Connect on-premise apps with SAP BTP apps on one Fiori Launchpad
- 4) How long does activation of SAP Build take?
  - 1) Once you get SAP IAS setup with Corp IDP, if moves very quickly.

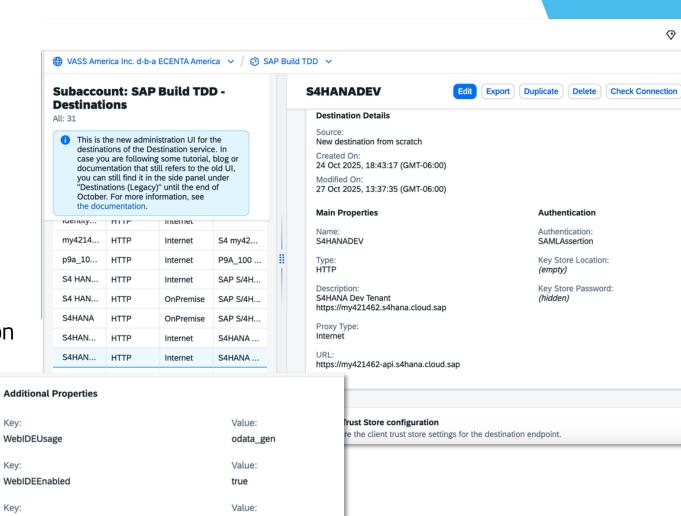
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## How does connectivity to SAP S/4HANA Work?



## **Best Practice**

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



60000

Value:

SAP S/4HANA Cloud

true

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x-system-type

HTML5.DynamicDestination

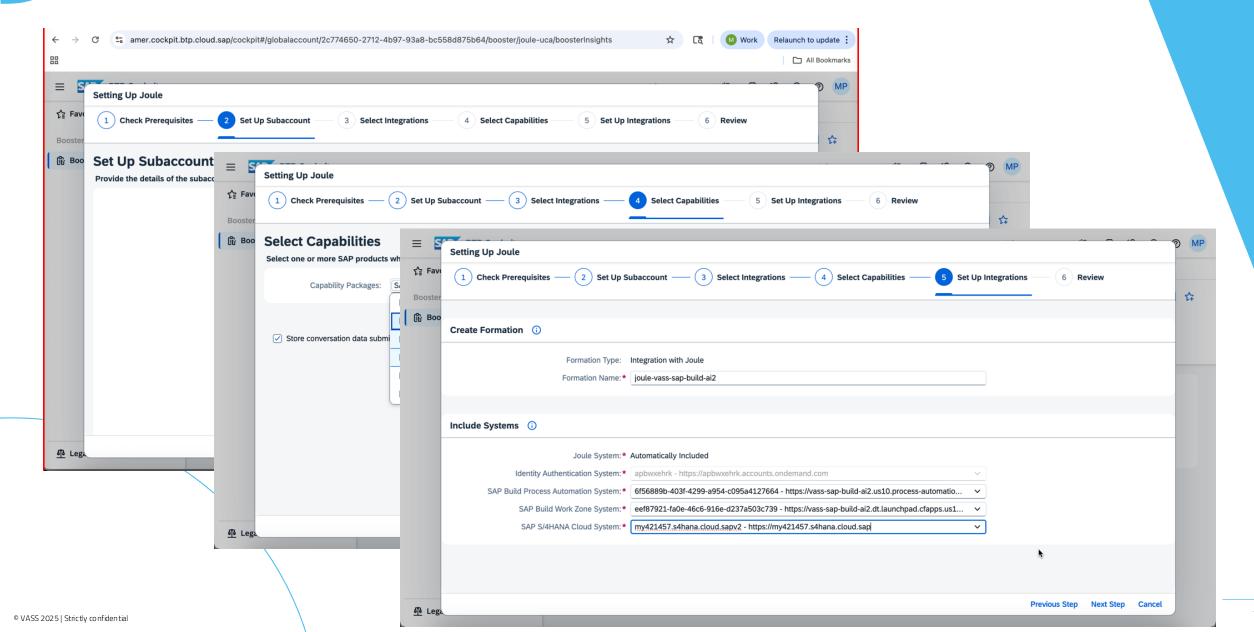
HTML5.Timeout

Key:

Key:

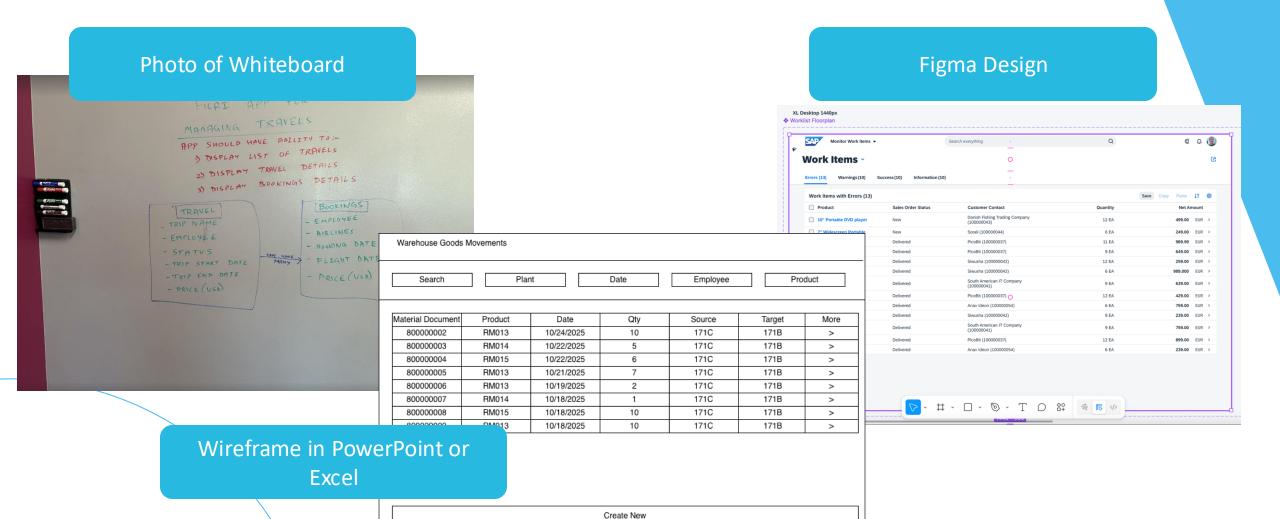
## **Running the Joule Booster**





## How good does my wireframe need to be?





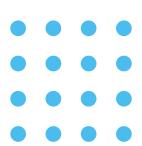
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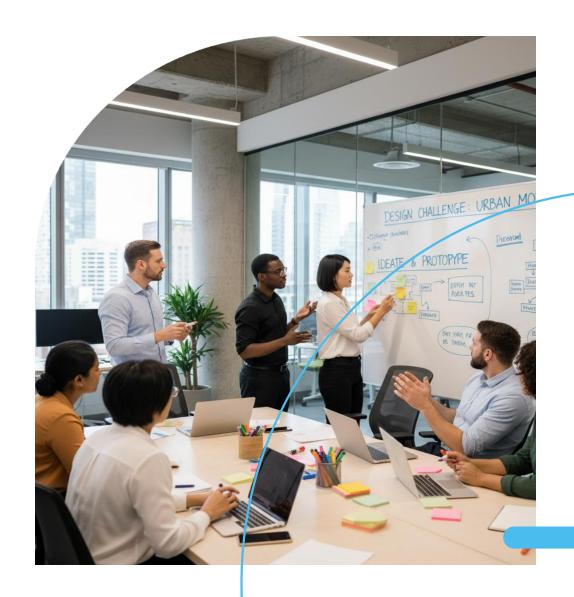
## **VASS**

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## **SAP Details**

Lab Overview

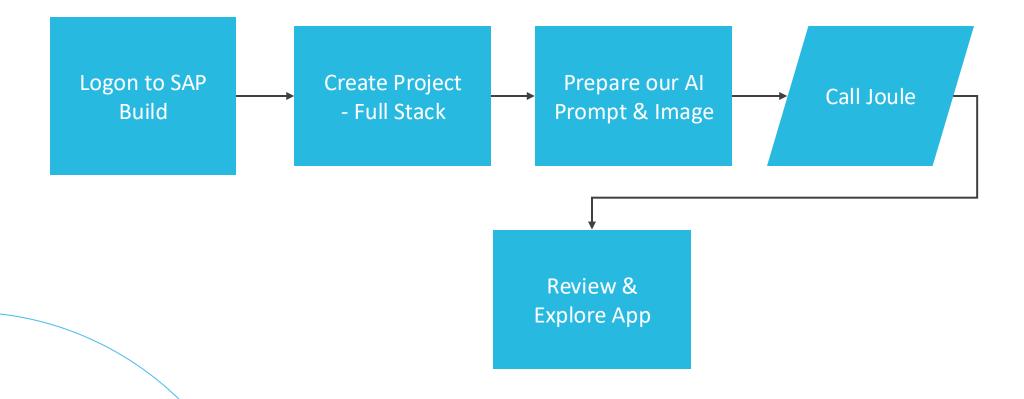






## **High Level Process Flow**





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## 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: <a href="https://github.com/MichaelPytel-VASS/LabExercises">https://github.com/MichaelPytel-VASS/LabExercises</a>
- 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



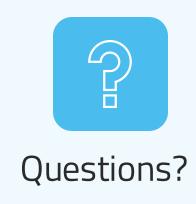
## Where to find more information

#### **Great Content**

- 11-Part Video Series > <a href="https://www.youtube.com/watch?v=WCyWypdL1n0">https://www.youtube.com/watch?v=WCyWypdL1n0</a>
- SAP Developer Tutorial > <a href="https://developers.sap.com/tutorials/build-code-complex..html">https://developers.sap.com/tutorials/build-code-complex..html</a>
- Connecting SAP Build to S/4HANA > <a href="https://developers.sap.com/tutorials/abap-custom-ui-bas-connect-s4hc.html?locale=en-US">https://developers.sap.com/tutorials/abap-custom-ui-bas-connect-s4hc.html?locale=en-US</a>
- SAP Devtoberfest Update > <a href="https://www.youtube.com/watch?v=IFSHQNWc1ok">https://www.youtube.com/watch?v=IFSHQNWc1ok</a>
- Great Blog on Joule slash commands > <a href="https://community.sap.com/t5/technology-blog-posts-by-sap/enhance-your-existing-cap-projects-with-joule-in-sap-build-code/ba-p/13777244">https://community.sap.com/t5/technology-blog-posts-by-sap/enhance-your-existing-cap-projects-with-joule-in-sap-build-code/ba-p/13777244</a>
- SAP Guidance on Prompts >
   https://help.sap.com/docs/SAP\_FIORI\_tools/17d50220bcd848aa854c9c182d65b699/c1bccf2d
   2fc74d9e8d835c7c58b9f199.html



## Thank you for your time



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## **Backup**

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## VASS is a trusted SAP Gold Partner

Driving Innovation, Meaningful Business

Transformation, and SAP Investment Optimization.

## What makes VASS different?



#### **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.

# VASS

200+ Years

of Sr. SAP Expertise in 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 costeffective 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 Al and intelligent automation across workflows.

**OUR ACCELERATORS** 























# We operate in more than 26 countries





## **VASS North America SAP Leadership**





**Amit Venugopal** 

Global SAP Practice Leader

30 Years SAP – Vancouver CAN



**Michael Pytel** 

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



**Mary Thomas** 

SAP S/4HANA (OTC) Leader

15 Years SAP – Denver CO



Yosh Eisbart

VP, SAP North America
25 Years SAP – Denver CO



**Gabe Mensching** 

SAP ERP Ent. Architecture Sr Dir.

15 Years SAP – Denver CO



**Annie DiCenzo** 

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



**Sheldon Lipshitz** 

SAP CX NA Practice Leader 20 Years SAP – Dallas TX



**Rick Fischer** 

SAP Supply Chain Director

20 Years SAP – Greenville SC



Nhuan Huynh

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



Shilpa Haran

SAP Commerce Global Director 20 Years SAP – Chicago IL



Joe Thurman

Sr. Director, SAP North America

15 Years SAP – Santa Fe NM



Expert SAP Leadership In Region

## What we do

## Core SAP BTP & BDC Offerings



#### **SAP Joule**

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



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



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Develop custom SAP
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SAP Joule Agent
Builder

Proven SAP experience and expertise





Thank you!