



Apply the SAP Enterprise Architecture Framework Along an Architecture Development Cycle

SAP
October 2025

Public



Your Moderator: Dr. Parmananda Thangjam (Param)

Global SAP Principal Enterprise Architect

- 22 years experience in SAP Consulting & Advisory Services
- SAP Certified Professional Enterprise Architect
- SAP Certified Professional Solution Architect SAP BTP
- SAP Certified Associate Lean IX Enterprise Architecture
- SAP Certified LeanIX Partitioner Level 1 & Level 2
- SAP Certified Associate Business Transformation
- SAP Certified HANA Application Consultant
- SAP Certified Business Intelligence Consultant
- SAP Record of Achievement- RISE with SAP Methodology
- SAP Record of Achievement- SAP Business AI Portfolio
- SAP Record of Achievement- SAP BTP SidebySide Extensions
- SAP Record of Achievement- Exploring SAP Datasphere
- SAP Record of Achievement- SAP Cloud ALM
- SAP Record of Achievement- SAP Clean Core Strategy
- SAP Record of Achievement- SAP Integration Solution Advisory



AGENDA

1. Purpose and Structure of this Case Study
2. Case Study Introduction: North Carolina Chemical Corporation
3. Learning Journey: Applying the SAP Enterprise Architecture Framework
4. Certification: SAP Certified Professional – SAP Enterprise Architect
5. Homework Assignment for the Next Session

Purpose and Structure of this Case Study

- You will apply the SAP Enterprise Architecture Framework along a full architecture development cycle
- You will work in groups
- Your work in a session builds on your work in the previous session
- It is therefore important that you
 - Attend each session
 - Be on time for each session
 - Prepare for each session by
 - Reading and understanding the theoretical material from the learning journey
 - Reviewing your work from the previous session
- Working through the case study will help you to prepare for the certification as an SAP Certified Professional – Enterprise Architect
- <https://learning.sap.com/live-sessions/case-study-apply-the-sap-enterprise-architecture-framework-along-an-architecture-development-cycle>

Case Study Introduction: North Carolina Chemical Corporation

SAP Intelligent Enterprise Architecture (IEA10) -
Training

V2.0

Customer Case Study: N3C

INTERNAL



- You can download the case study from <https://renotron.co/learning> under the CASE STUDY section.

Learning Journey: Applying the SAP Enterprise Architecture Framework

- You need to prepare for each session by reading and understanding the relevant unit from the learning journey **Applying the SAP Enterprise Architecture Framework**
- <https://learning.sap.com/learning-journeys/applying-the-sap-enterprise-architecture-framework>

Certification: SAP Certified Professional – SAP Enterprise Architect

- Working through the Learning Journey and through the N3C case study will help you to prepare for the certification SAP Certified Professional – SAP Enterprise Architect
- <https://learning.sap.com/certifications/sap-certified-professional-sap-enterprise-architect>

Who

is an SAP Enterprise Architect?

SAP Enterprise Architects are responsible for designing and implementing solutions that align technology with the business needs of an organization. They have a key role in ensuring that systems are integrated and optimized for maximum efficiency and effectiveness.



ROLES OF SAP ENTERPRISE ARCHITECT

BUSINESS

CUSTOMER BUSINESS

SOLUTIONS

SOLUTION MATRIX

SYSTEMS

IT LANDSCAPE (SAP & NONSAP)

GOVERNANCE

CONTROL METHODOLOGY

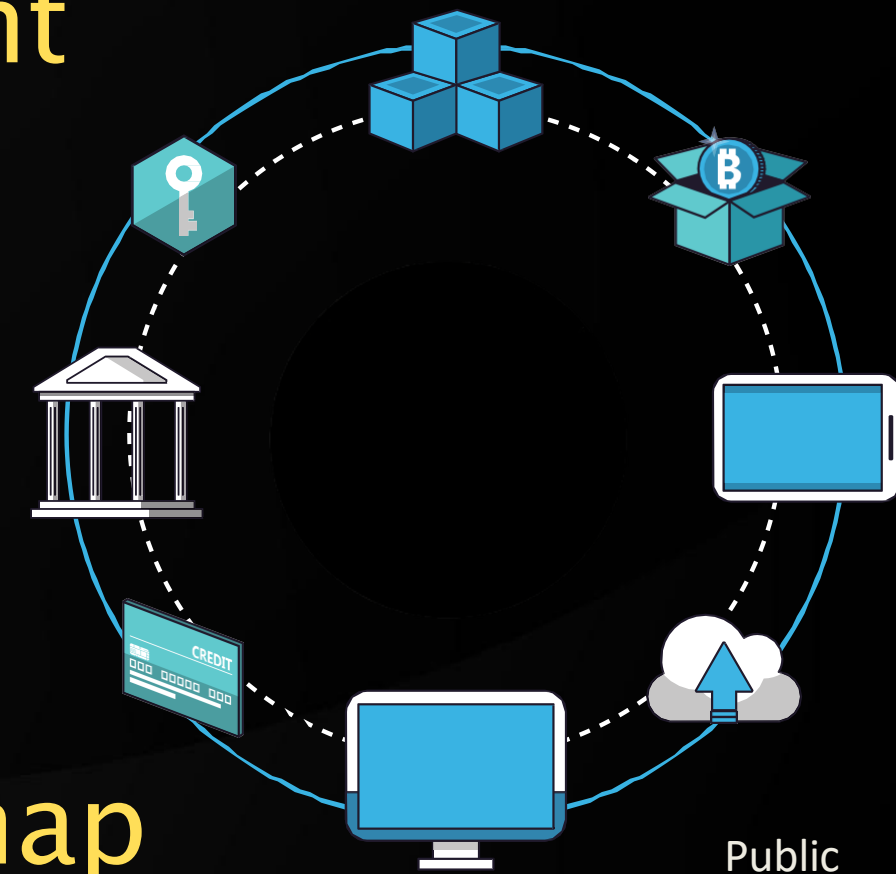
ROADMAP

FUTURE READINESS

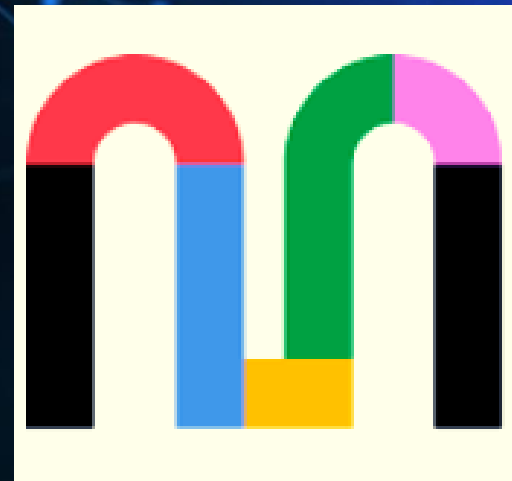


GOALS

- # 1: Enterprise Architecture Overview
- # 2: The value of Enterprise Architecture
- # 3: SAP Enterprise Architecture Framework
- # 4: Requirements, Risks and Decisions Management
- # 5: Architecture Vision
- # 6: Business Architecture
- # 7: Application and Data Architecture
- # 8: Technology Architecture
- # 9: Opportunities, Solutions & Architecture Roadmap

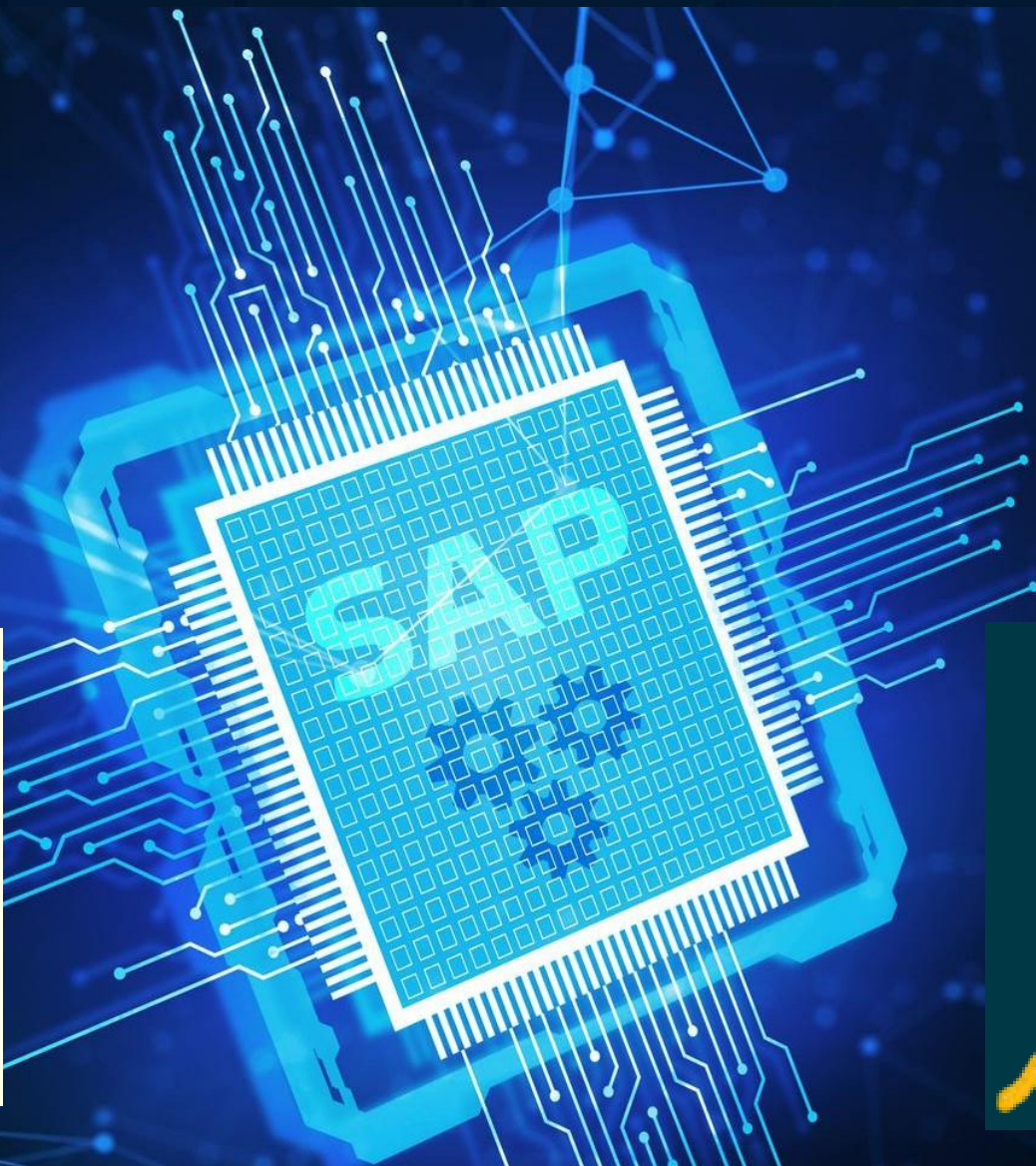


TOOLS



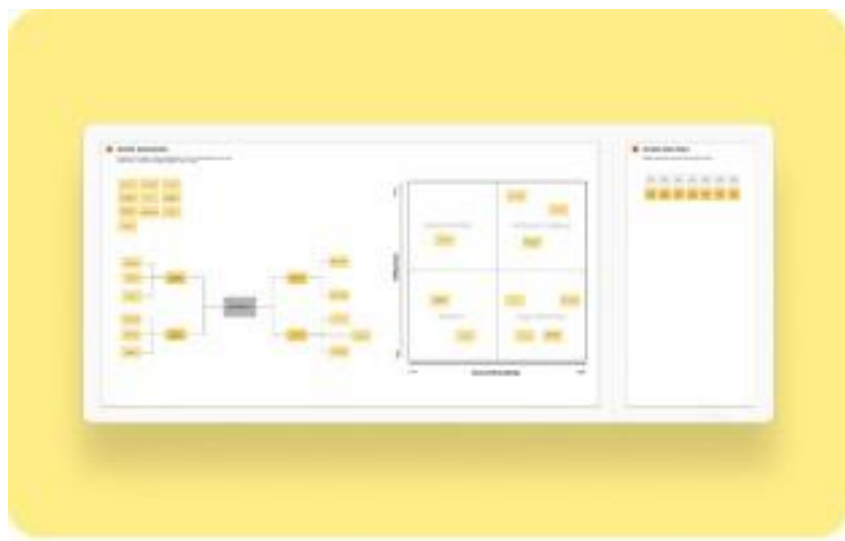
MURAL

Digital environment designed to make collaboration visual, accessible, and engaging for architects. It offers a shared workspace and a practical way to collaborate that anyone can learn and apply Enterprise Architecture design maps, process flows, system roadmaps

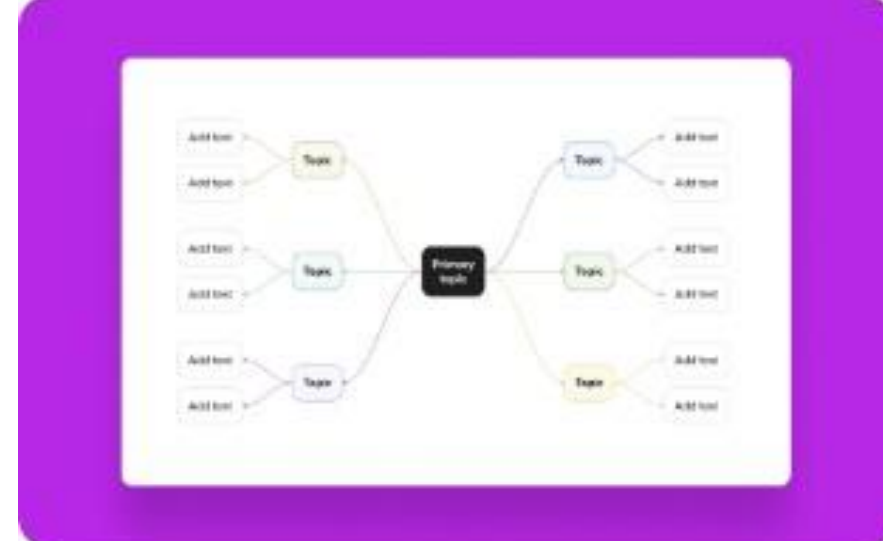


SAP SIGNAVIO

Business Process Management software
Its main product is Signavio Process Manager, a web-based business process modeling tool. The company was acquired by SAP in March 2021. Recognized as a Leader in Process Mining - Gartner Magic Quadrant™ 2023



Stakeholder map



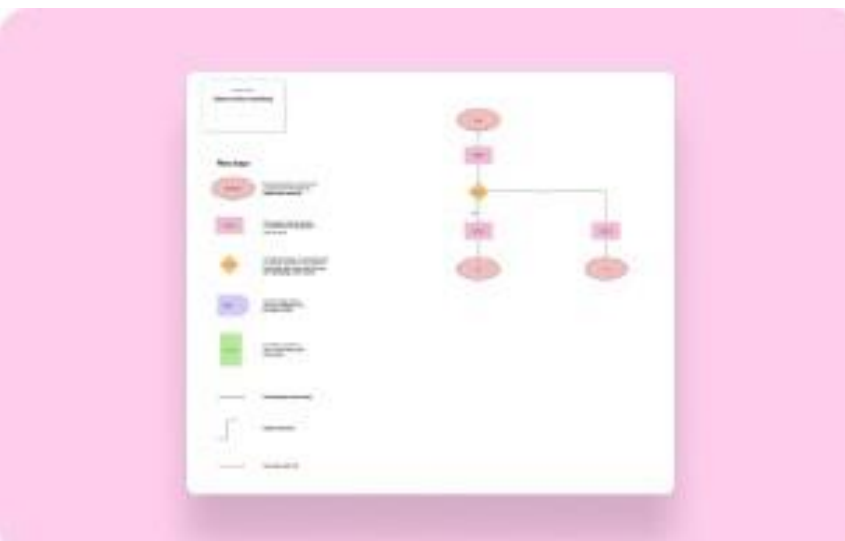
Rapid mind mapping



Strategy blueprint



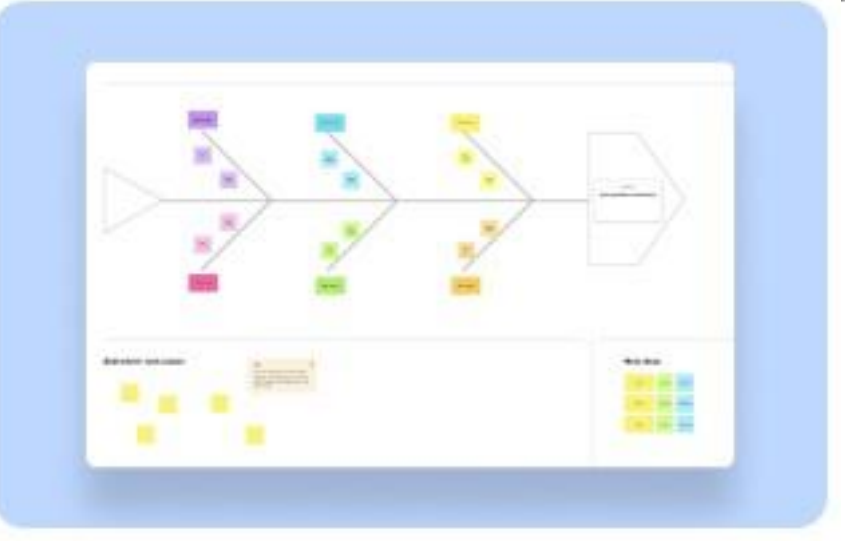
Customer experience journey map



Workflow diagram



Business model canvas



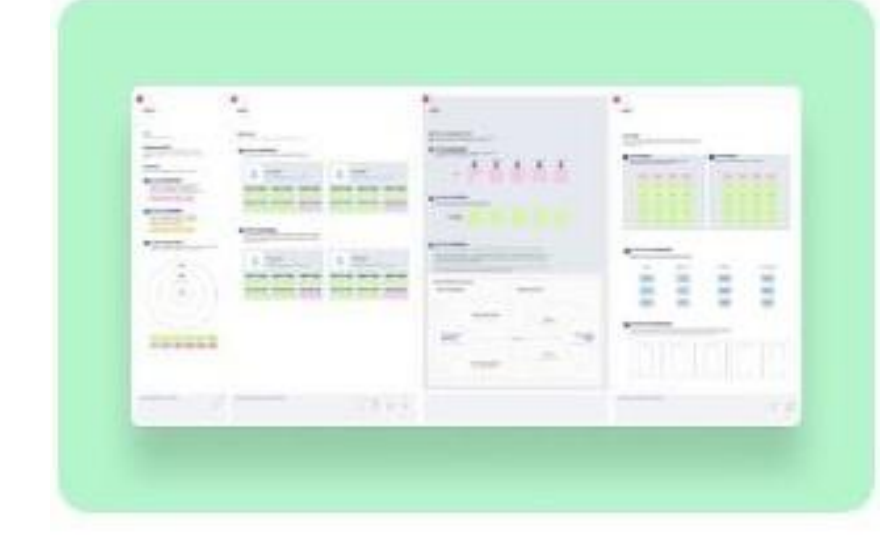
Fishbone diagram



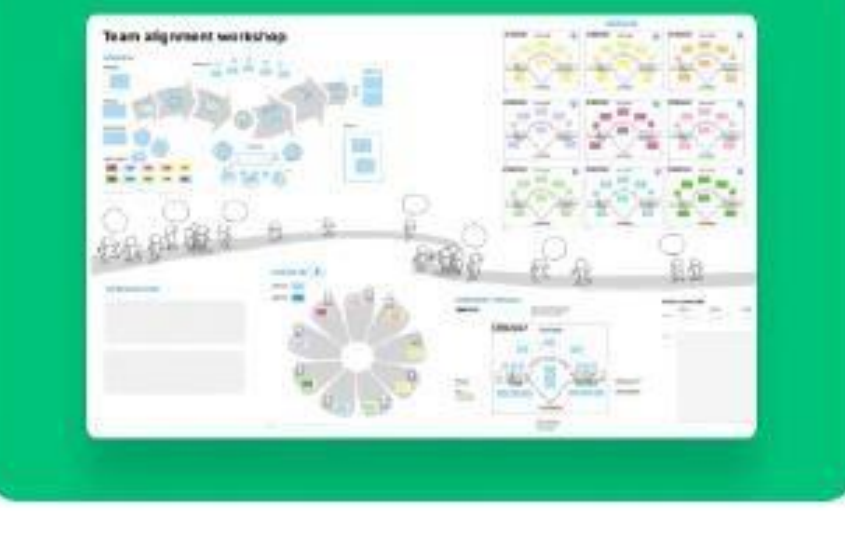
Brainstorm and idea prioritization



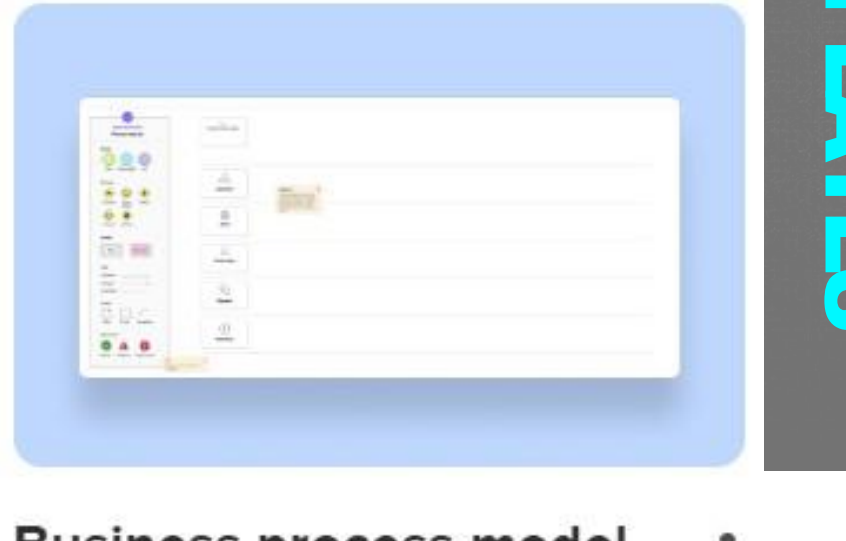
Mind map



Product requirements document



Team alignment workshop



Business process model diagram



100+
TEMPLATES

Capability Map



Enterprise Domains

Select a Business Domain

Product & Services

Develop Products & Services

- Product Management
- R&D / Engineering

Customer

Generate Demand

- Marketing
- Sales
- Omnichannel Commerce

Supply

Fulfill Demand

- Sourcing and Procurement
- Supply Chain Planning
- Supply Chain Execution

Corporate

Plan and Manage the Enterprise

- Human Resources
- Sustainability Management
- Asset Management
- Finance
- Enterprise Strategy
- Governance and Compliance
- International and Global
- Portfolio Project Management



81%



End-to-End Processes



Cross Industry

Consumer Industries

Discrete Industries

Energy & Natural Resources

Financial Services

Public Services

Service Industries



80%



Products & Services

Develop products and services

Generate customer value



Idea to Market



Lead to Cash



Plan to Fulfill

SCOR Digital Standard (DS)

Manage the organization



Governance



Finance



Recruit to Retire

Enable the organisation

Corporate

Plan and manage the enterprise



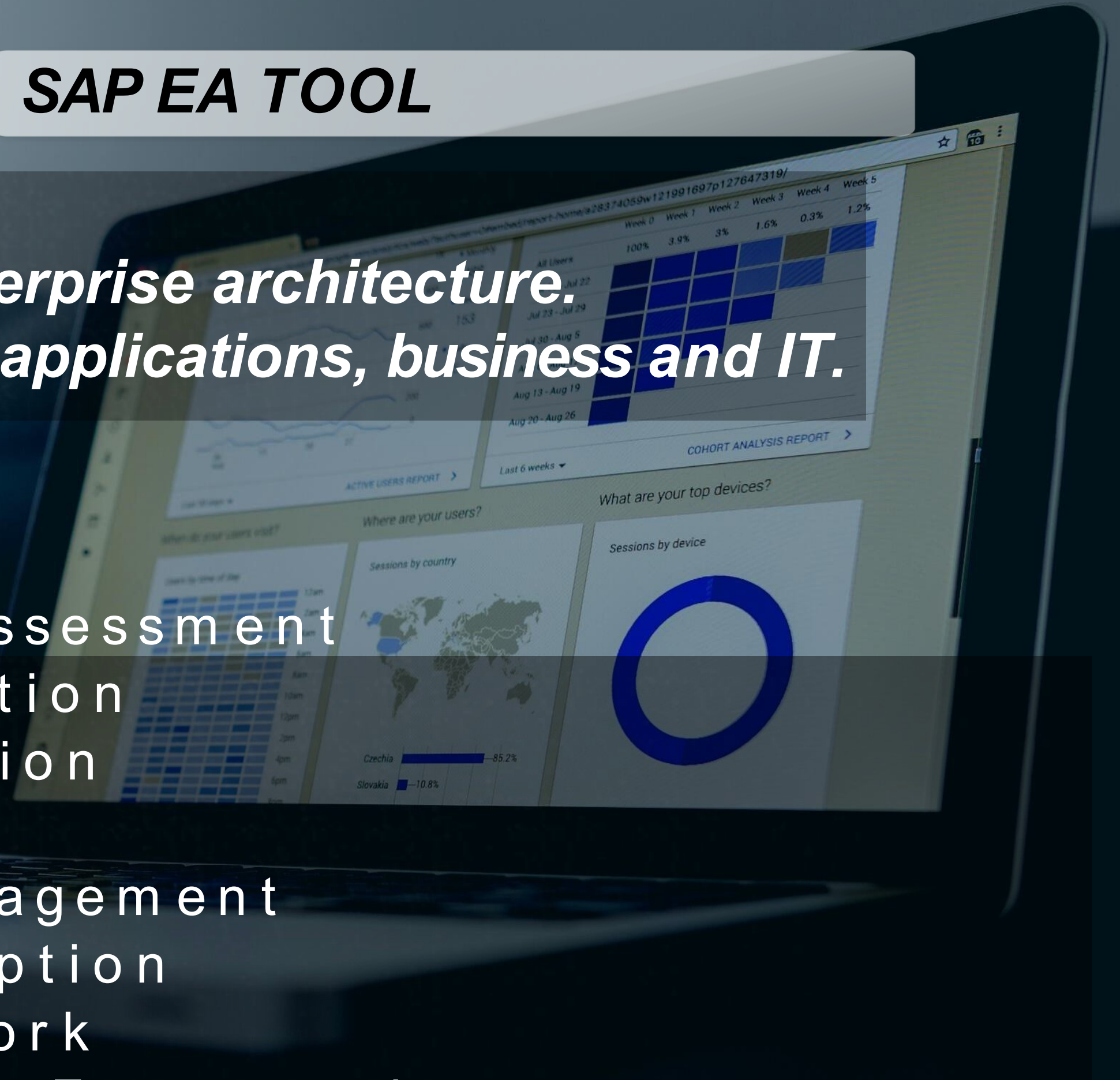
SAP LEAN IX

SAP EA TOOL

- *SaaS application.*
- *Manages and optimizes enterprise architecture.*
- *Provides a 360° overview of applications, business and IT.*

USE CASES:

1. Application Portfolio Assessment
2. Application Rationalization
3. Application Modernization
4. ERP Transformation
5. Obsolescence Risk Management
6. AI Governance and Adoption
7. Gartner® TIME Framework
8. Gartner® PACE Layering Framework etc



SAP LEAN IX

Strategy & Transformation
across all architecture layers



Objective



Platform



Initiative

Business Architecture



Organization



Business Capability



Business Context

Application & Data Architecture



Data Object



Application



Interface

Technical Architecture



Provider



IT Component



Tech Category

Examples



Increase Direct-to-Consumer Sale by 20%



Digital Platform for B2B Commerce



Implement Customer Facing App



US, Germany, France, ...



Customer Relationship Management, ...



Order to Cash, ...



Customer, Prospect, Employee, ...



Salesforce, Workday, SAP, ..



Salesforce to Workday Interface, ...



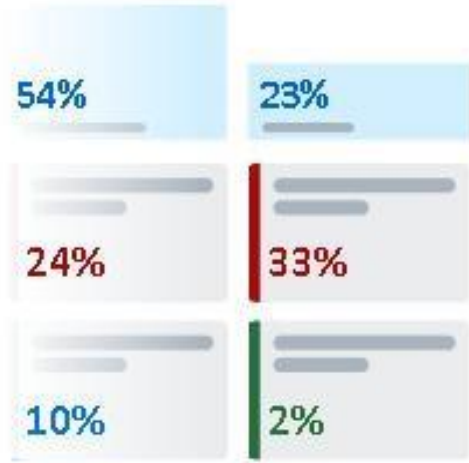
AWS, Microsoft, Oracle, ...



EC2 Virtual Server, .NET, Postgres, ...

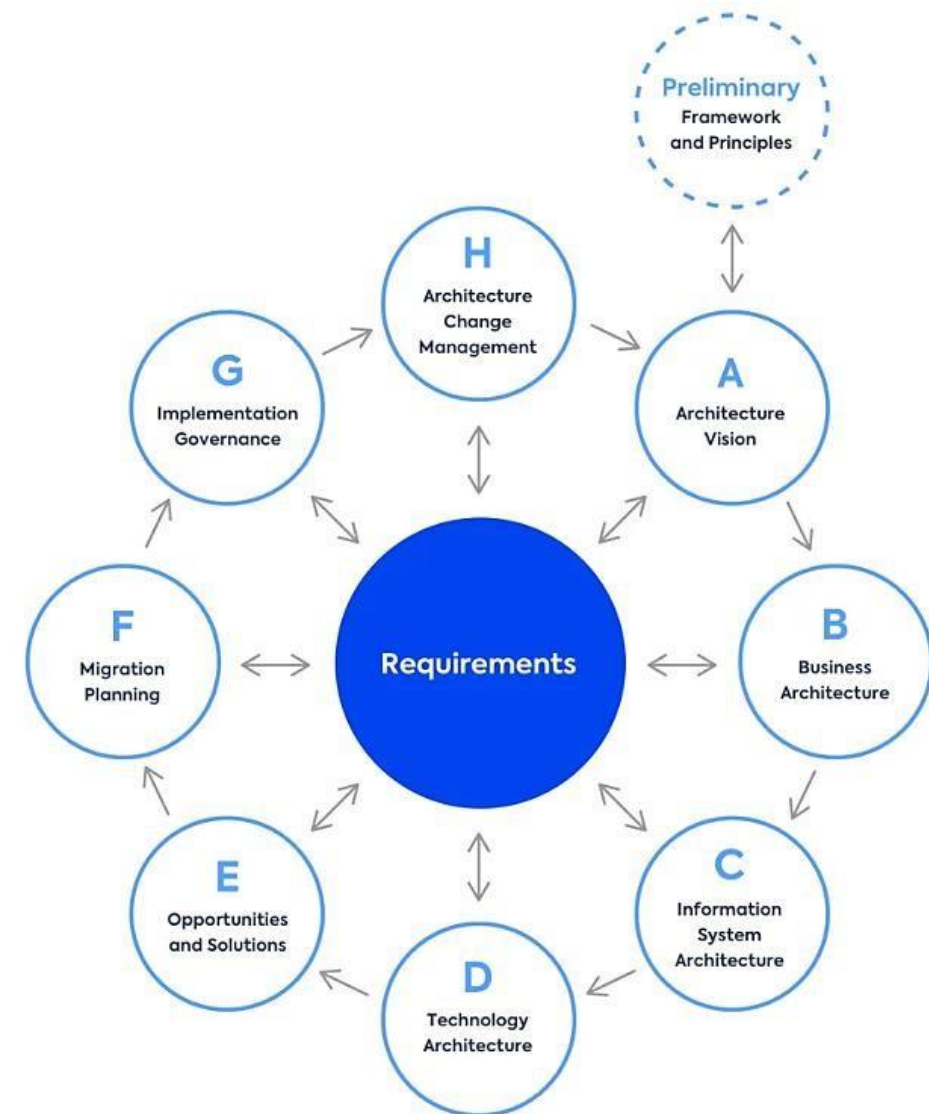


Service, Database, Servers, ...

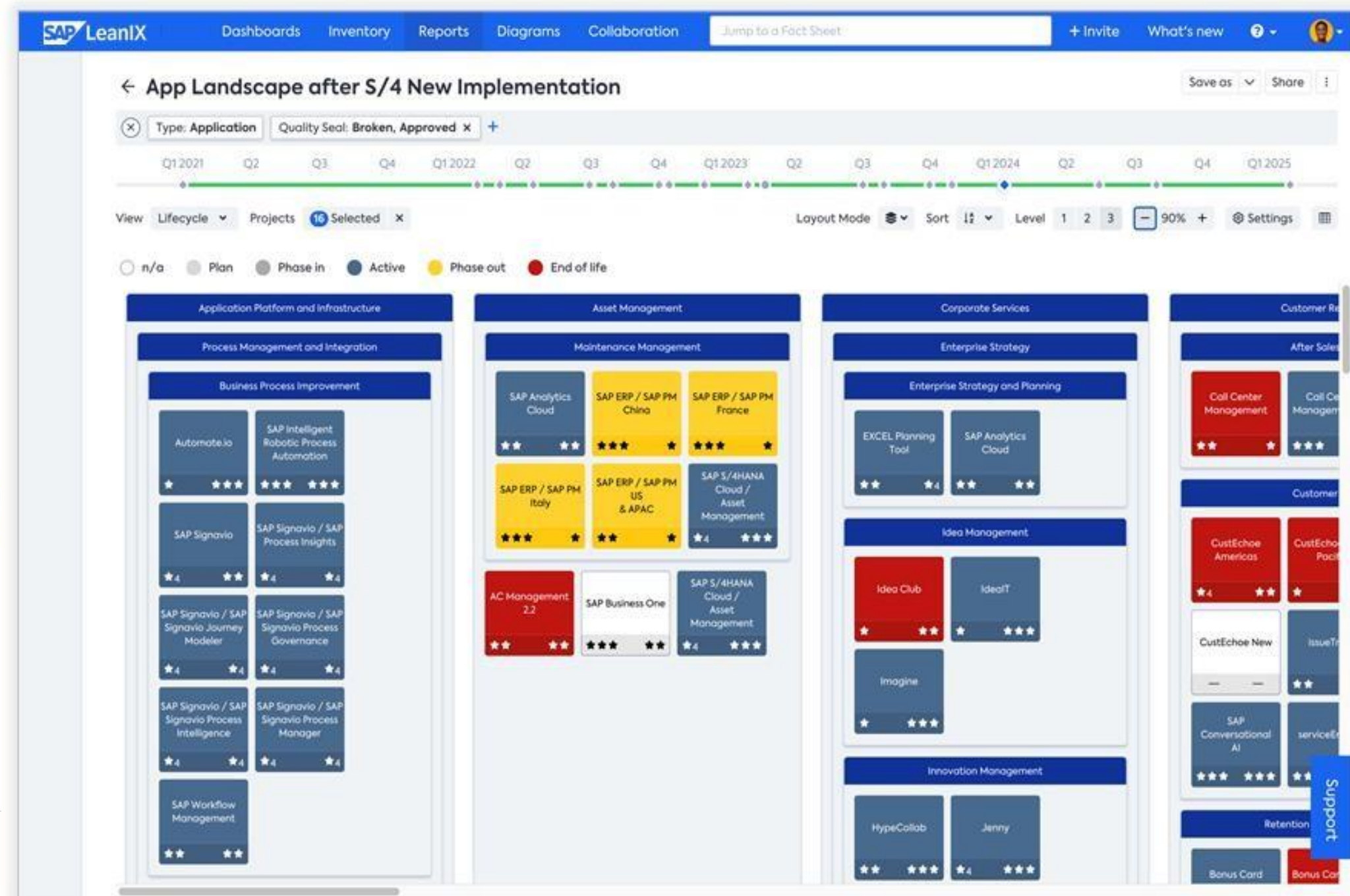


Design the to-be state with confidence

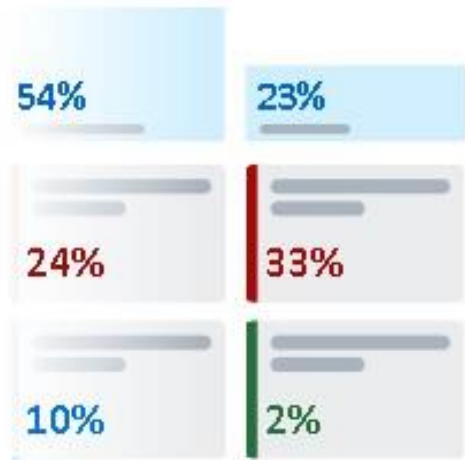
Visualize the delta between your as-is and to-be state



TOGAF: ADM

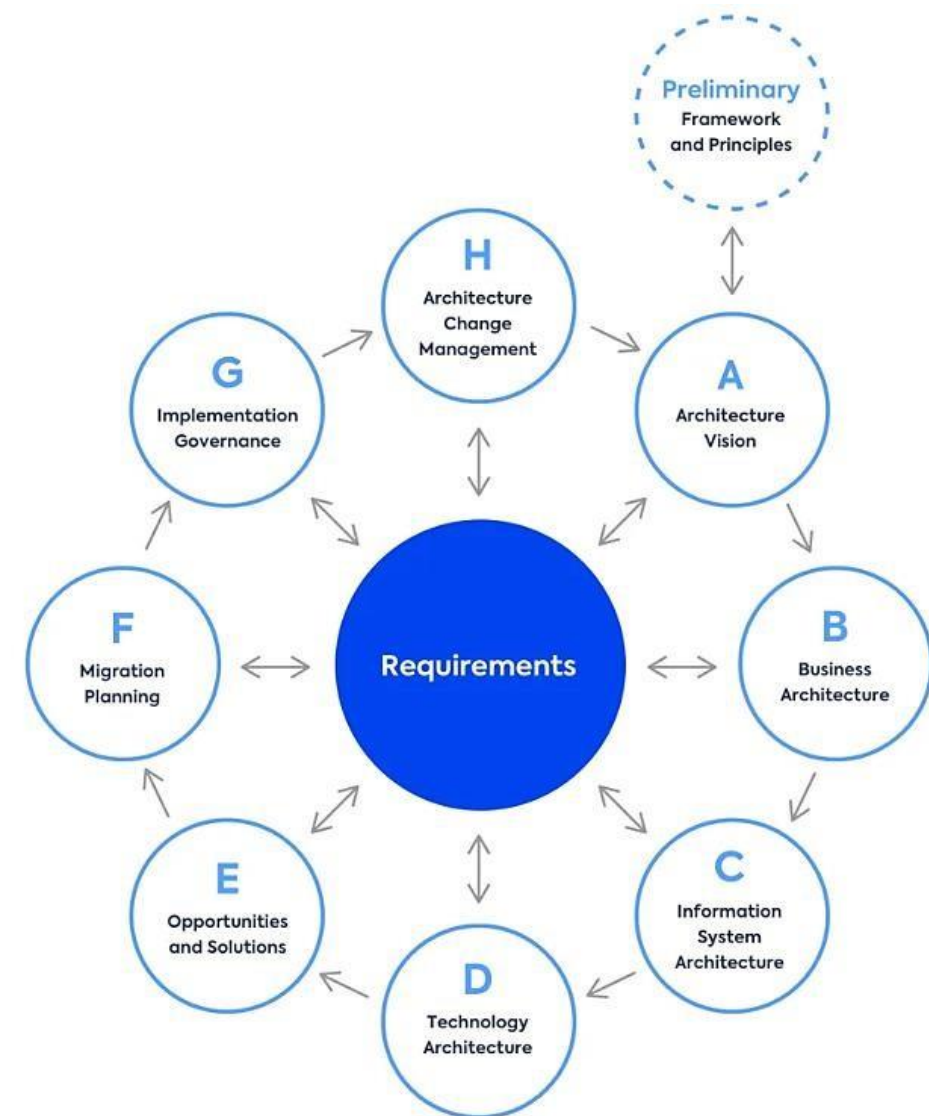


Public

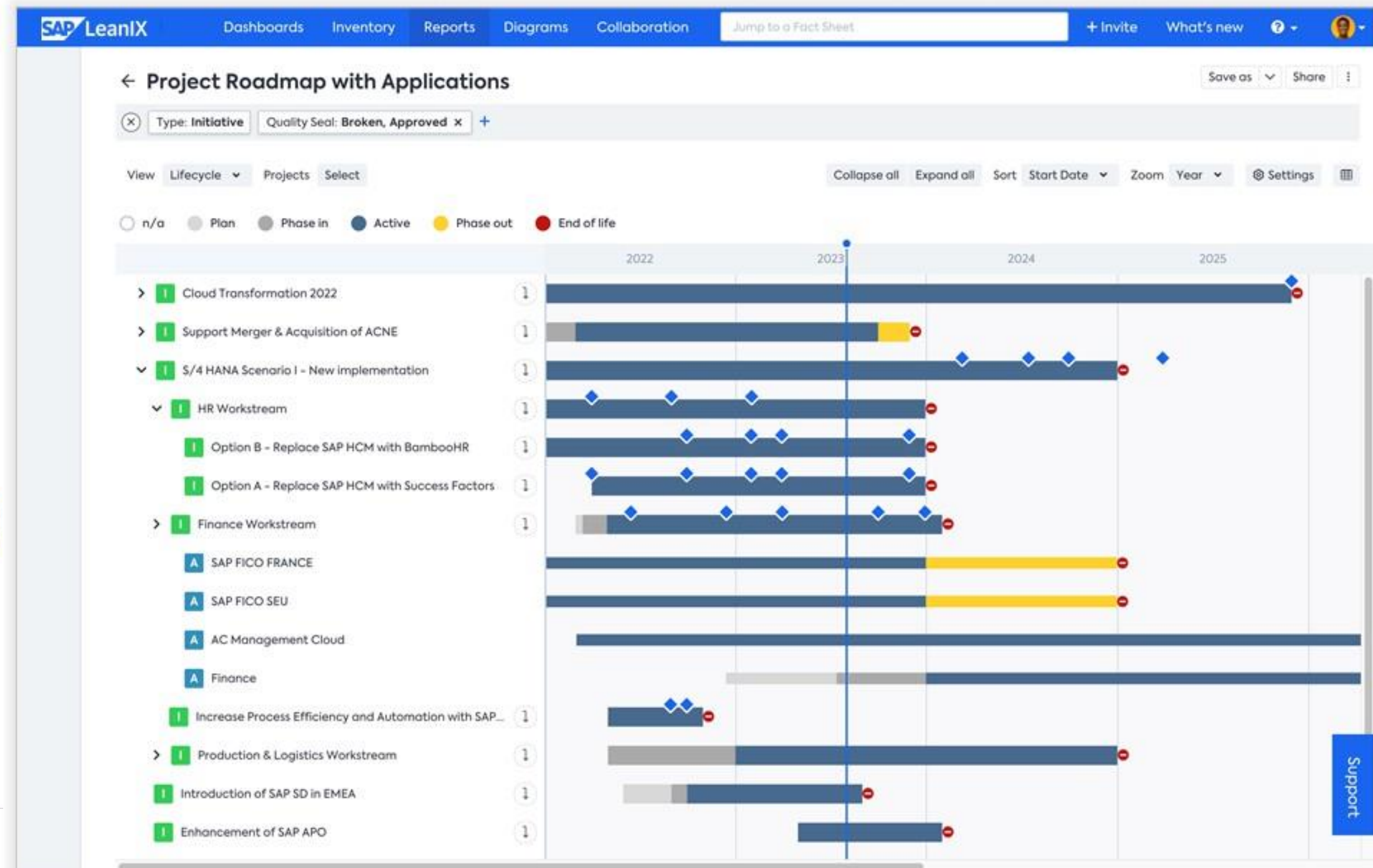


Demonstrate how to get from as-is to to-be

Plan and build transformation roadmaps



TOGAF: ADM



Public

The above is applicable to SAP and non-SAP applications.

LeanIX **INTEGRATIONS**



Apptio

Apptio is a tool which allows you to analyze, plan, optimize, control, and collaborate about IT investments. Connect it with LeanIX to benefit...

[View documentation](#)

[More information](#)

many more..



Collibra

Collibra is the market leader in data intelligence. This integration allows LeanIX users to share their business context with colleagues working in...

[View documentation](#)

[Configure](#)



SAP Discovery

SAP Landscape Discovery

The SAP Landscape Discovery integration automates insights into your SAP landscape. This integration populates Application and IT...

[View documentation](#)

[Configure](#)



SAP Signavio

SAP Signavio is a web-based tool for business process management. Connect it with LeanIX in order to link your application portfolio to busine...

[View documentation](#)

[Configure](#)



ServiceNow

ServiceNow creates a centralized service model in the cloud to power enterprise service management across the global organization....

[View documentation](#)

[Configure](#)



SaaS Discovery

Microsoft Defender for Cloud Apps

Microsoft Defender for Cloud Apps (MDCA) is Microsoft's cross-platform solution that offers visibility, control, and protection for cloud...

[View documentation](#)

[Configure](#)

ROAD TO ENTERPRISE ARCHITECTURE

ENTERPRISE
ARCHITECTURE
PRACTICE
ENABLEMENT

GOVERNANCE &
ROADMAP

TECHNOLOGY
ARCHITECTURE

APPLICATION
ARCHITECTURE

BUSINESS
ARCHITECTURE

ARCHITECTURE
VISION



CERTIFICATION DETAILS

CODE : P_SAPEA

ONLINE EXAM, 3 HOURS, 40 QUESTIONS, 80% CUT SCORE



SAP Enterprise Architecture Framework : 10% - 20%



Architecture Vision and Roadmap : 20% - 30%



Business Architecture : 20% - 30%



Application Architecture : 20% - 30%



Technical Architecture : 10% - 20%

<https://learning.sap.com/certification/sap-certified-professional-sap-enterprise-architect>

TIMELINE





CASE STUDY



North Carolina Chemicals Corporation, N3C, is a world leading global player in the chemical and agrochemical industry. In addition, N3C is highly engaged in Oil & Gas exploration and production business as well as in cosmetics & pharmaceuticals research and manufacturing.

- MURAL Tool
- SAP LeanIX Tool
- SAP Signavio Process Explorer



REFERENCE GUIDES & PORTALS



SAP Business Accelerator Hub



SAP SAP Discovery Center



SAP SAP for Me

SAP Learning

SAP Roadmap Viewer

SAP Community

Homework Assignment for Next Session

- Read and understand the course in the SAP learning journey
- Read the case study
- Whitelist e-mail address

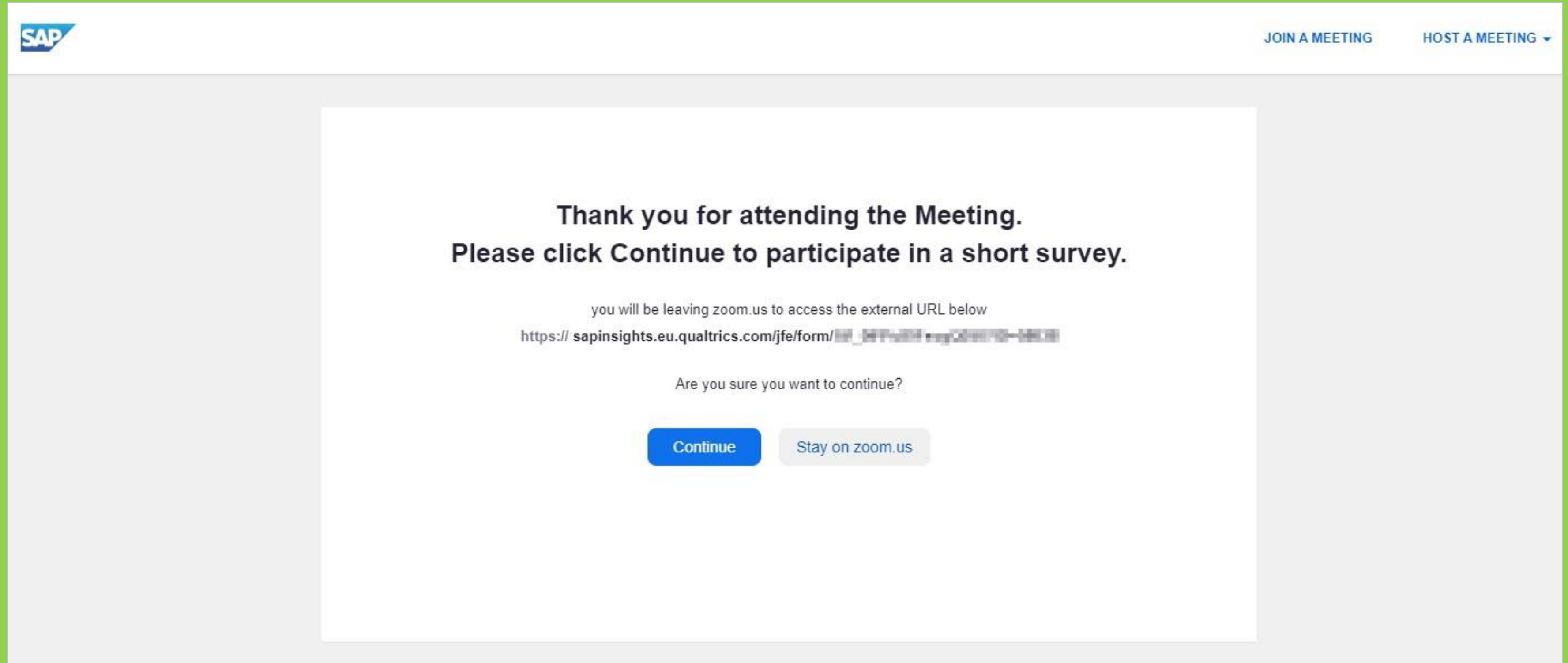
Contact@Renotron.co

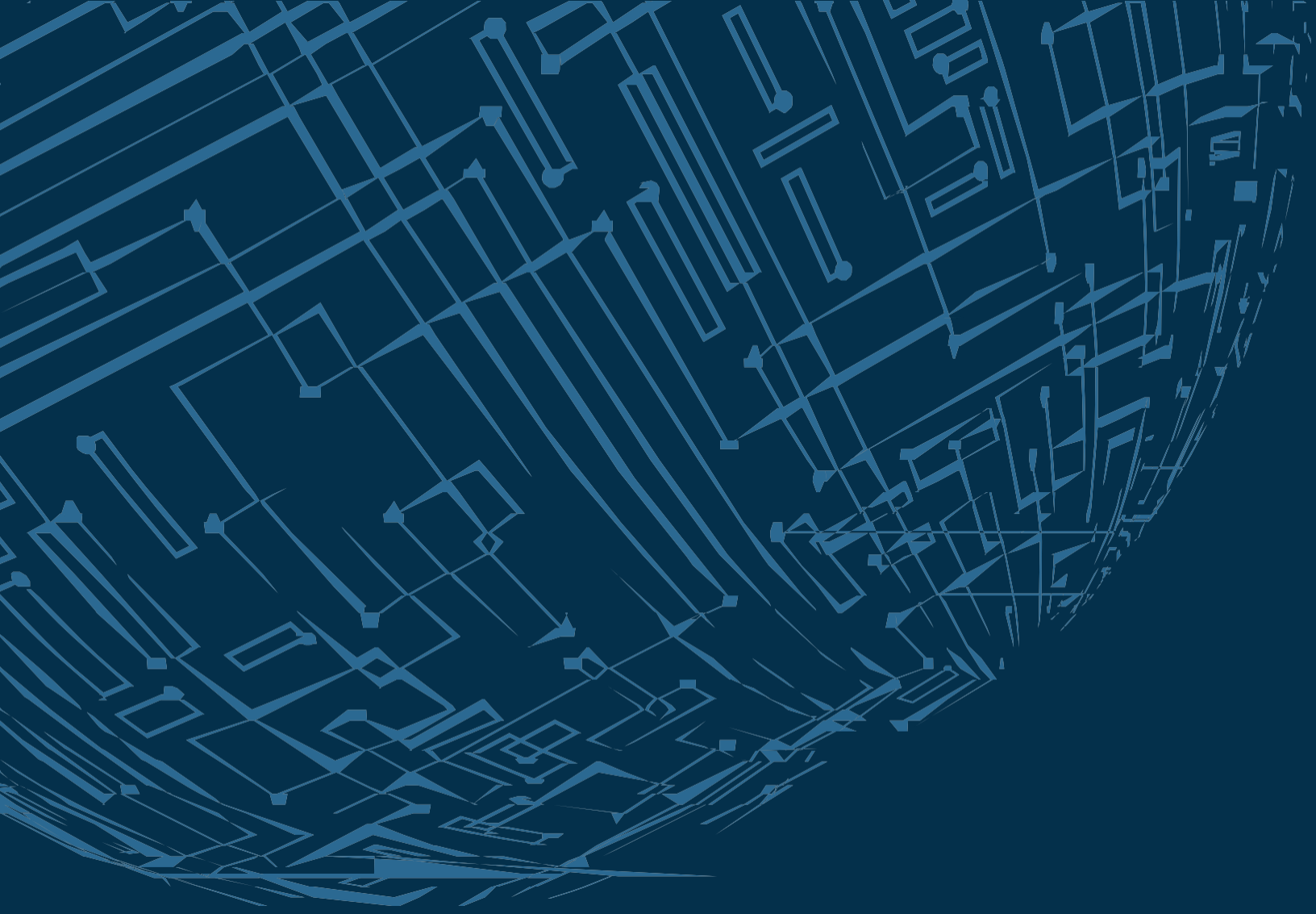


October, 2025

Public

Please complete the survey when leaving the live session





Thank you

CONTACT@RENOTRON.CO

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