Case Study: Moving From On-Premise to The Cloud with SAP Integration Suite

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SAPinsider



In This Session

In this session, you will learn the benefits and challenges of transitioning your business operations to the cloud and the benefits of SAP Integration Suite. Discover the journey that Nedgia has been through to become a true "Cloud First" company and run its integrations in SAP Integration Suite.

Do you know what a poem, Santiago's Way and SAP Integration Suite have in common?

The journey....

Caminante, no hay camino, se hace camino al andar.

Antonio Machado

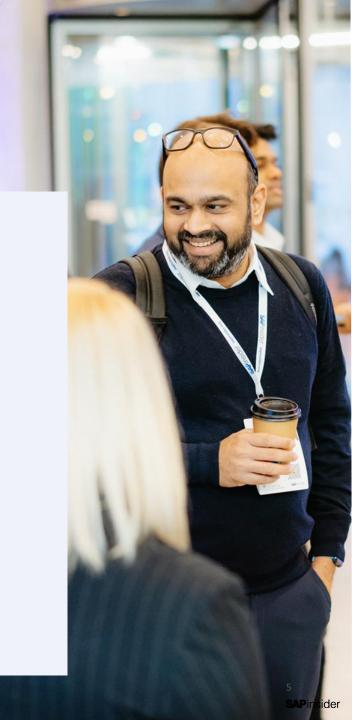






What We'll Cover

- SAP Integration Suite
- Nedgia's integration journey
- Migration tools and assessments



SAP Integration Suite

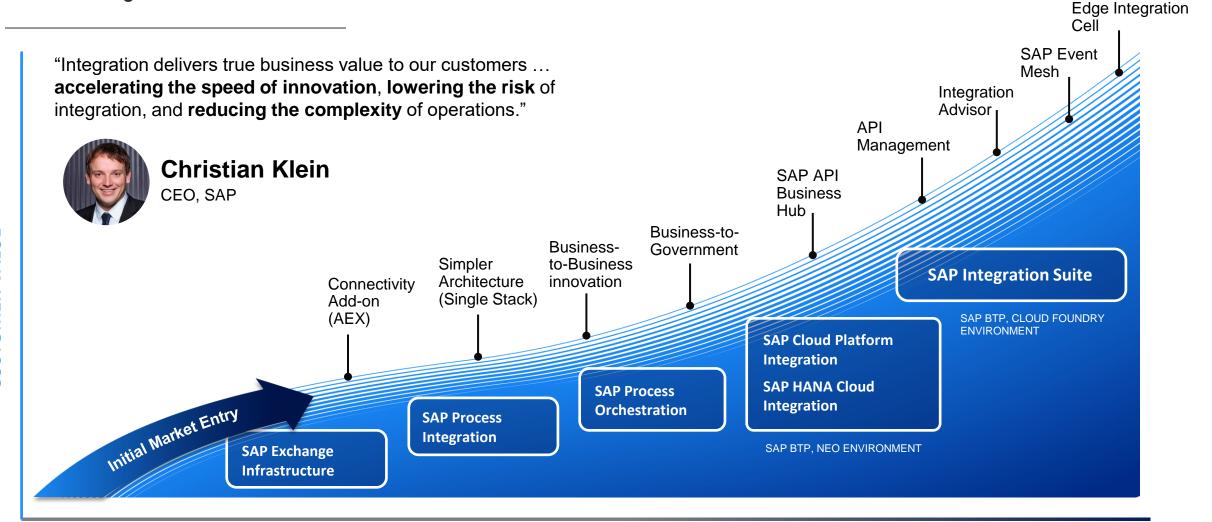
SAP Integration Suite is an open and modular iPaaS supporting your enterprise-wide integration needs for both SAP and non-SAP integration scenarios.



2003

SAP's Investment in Integration

A history of continuous innovation



TODAY

Modernize integration to power your transformation journey

SAP Integration Suite



SAP legacy integration

- SAP PROCESS ORCHESTRATION
- SAP PROCESS INTEGRATION
- CLOUD INTEGRATION ON SAP BTP, NEO ENVIRONMENT



3rd-party integration



END-TO-END INTEGRATION



Process and data everywhere

FASTER







Fullymanaged



Open Platform

WITH GREATER FLEXIBILITY



Flexible Commercials



Versatile integration



Multi-cloud deployment

WHILE SAFEGUARDING INVESTMENTS IN SAP



Phased migration



Skills

reuse

m

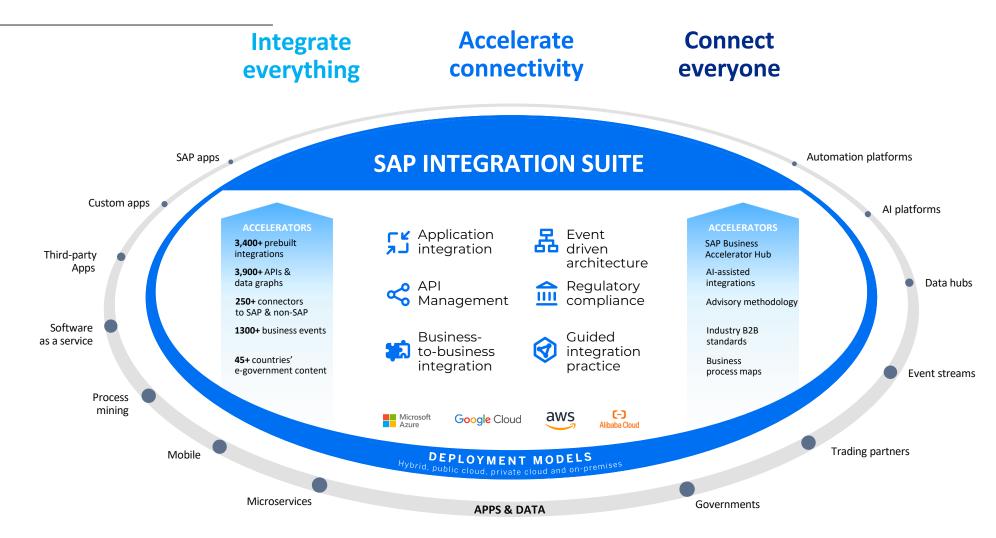


Lifecycle S management

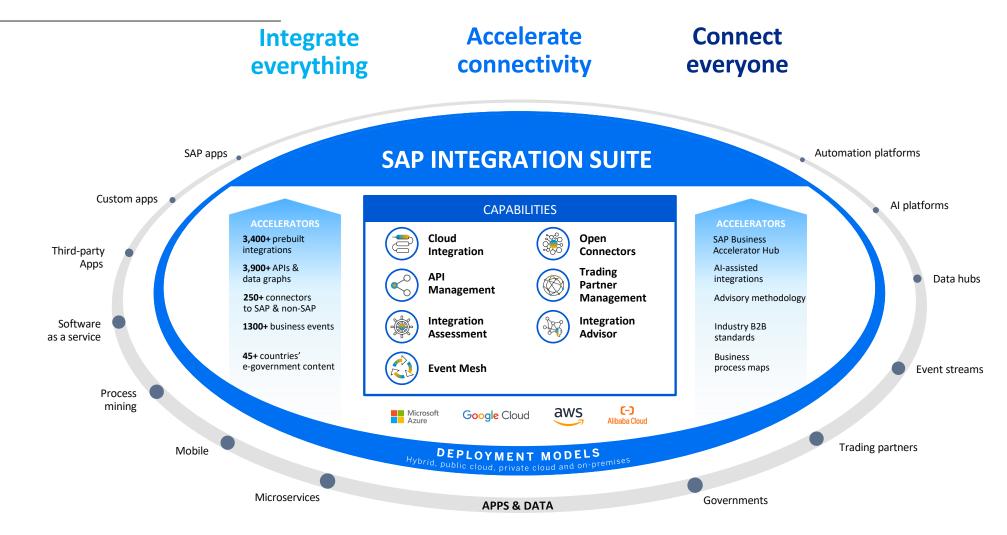


Simplify and consolidate integration to achieve end-to-end-processes faster at a lower TCO

SAP Integration Suite: Integrate everything to innovate now



SAP Integration Suite: Integrate everything to innovate now



Nedgia's integration journey





Nedgia in a nutshell

Company of the Naturgy group, leader in Spain in distribution of natural gas, renewable gases and LPG



Capillary and modern distribution network

> Spain has 94,344 km of gas distribution networks, covering 85% of the population and 100% of the industry



Regional, resilient and responsible

- We supply gas to 5.6M supply points (70% of consumers)
- > ~60,000 km of underground networks in 11 Autonomous Communities and more than 1,150 municipalities
- > ~ 90,000 new customers connected per year
- **Zero accident goal**, extensive EE.CC network
- **Digitalization and innovation** for excellence

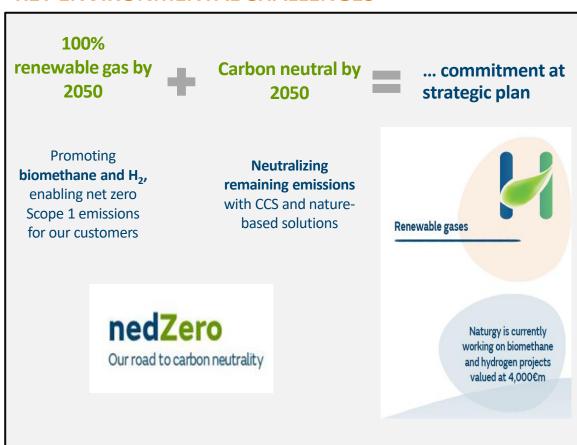


Strategic plan



Pledged with the energy transition seeing it as an opportunity

KEY ENVIRONMENTAL CHALLENGES



OUR APPROACH

- Leveraging on existing energy networks is the most cost-effective way to meet
 EU climate targets.
- Gas has a unique value proposition to solve the current energy trilemma
- Gas networks allow for balance in the energy demand and supply in Spain
- Gas is the energy of choice for heat, industrial production and CCGT electricity generation.
- A **full aggressive scenario** envisioning the complete electrification of building energy demands is not pragmatic within the context of Spain and Europe.
- For public acceptance and thus, for political feasibility, a gradual approach to transition is essential.
- Spain is strategically well positioned to benefit from circular economy and to act as potential hydrogen hub.



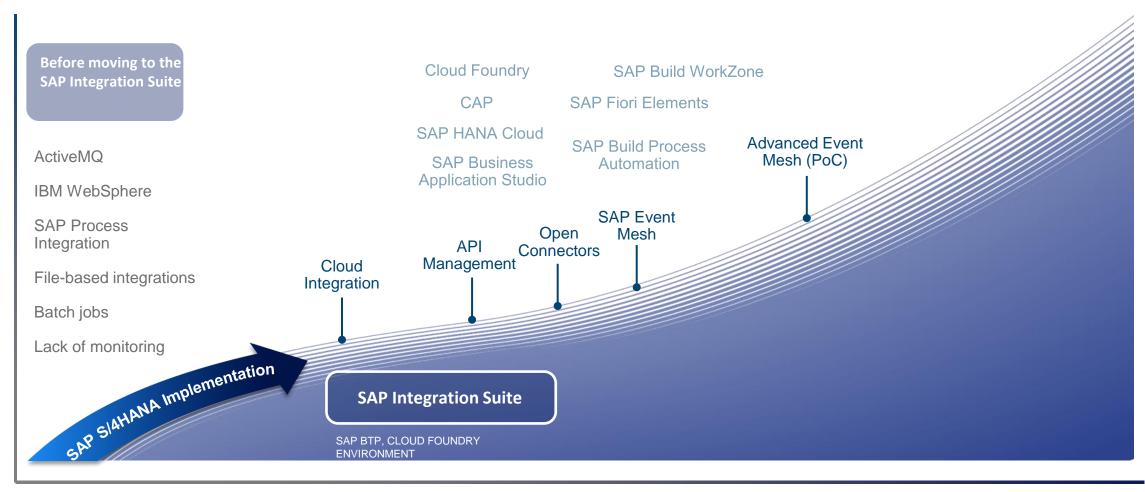
Challenges



Nedgia decided to launch a SAP S/4HANA implementation project to cover and transform all the processes associated with the asset life cycle

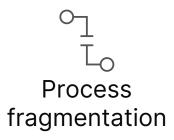


Nedgia's integration journey



Before moving to the Cloud







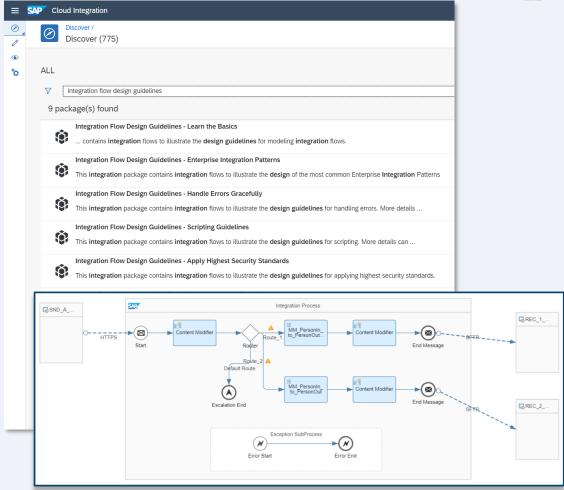


Cloud Integration

Simplifies and accelerates the integration of data, processes, applications and business networks to help companies achieve faster business outcomes.

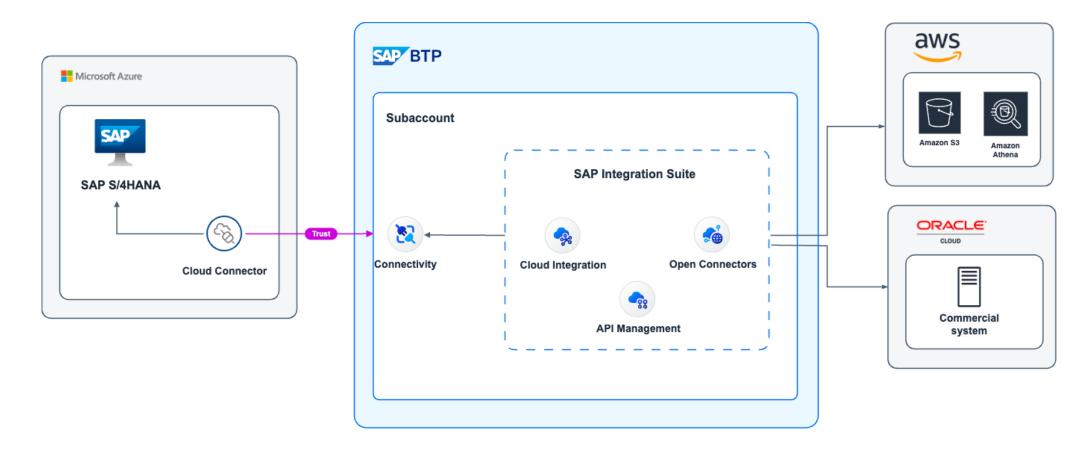
- Fully SAP-managed, multi-cloud integration platform
- Strong focus on security and infrastructure availability
- Compatible with SAP Process Orchestration*
- A large ecosystem with partner-developed integration content & adapters
- Rich set of connectivity adapters for SAP to SAP and SAP to third-party applications integration, both in the cloud and on-premise
- Edge Integration Cell as an optional, customeroperated next-generation hybrid integration runtime within customer environments for local integrations





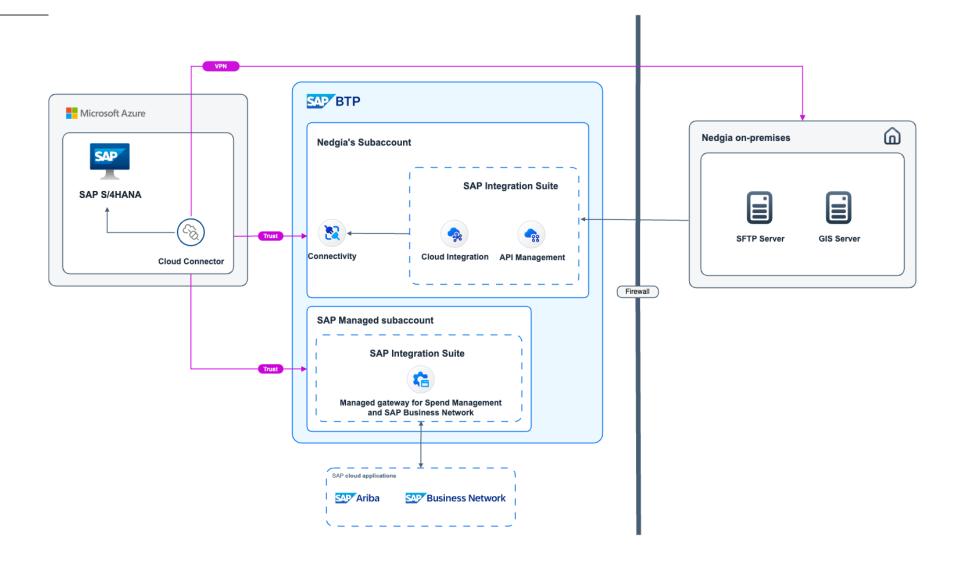
Cloud Integration: Multi-cloud





Cloud Integration: SAP and non-SAP





API Management

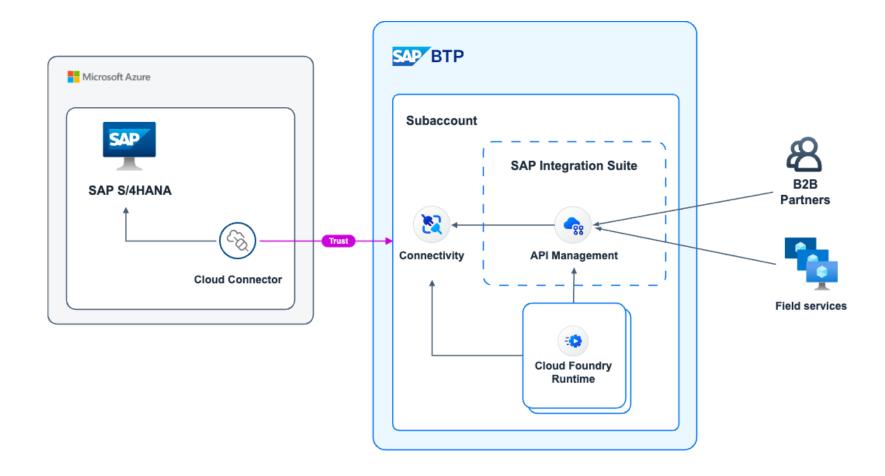
Provides your developer community with unified, secure, controlled and compliant access to the APIs of your digital assets.

- Standards-based API discovery of OpenAPI, REST, OData, GraphQL and SOAP services
- Enterprise-grade API security, validation, compliance and attack protection (DoS, CSRF, XSS...)
- Visual development of powerful custom API governance, security and mediation policies
- Creation and composition of data graphs, for use with GraphQL or OData
- Real-time insights, analytics and monitoring of API traffic, notifications of usage & errors



API Management: B2B API access



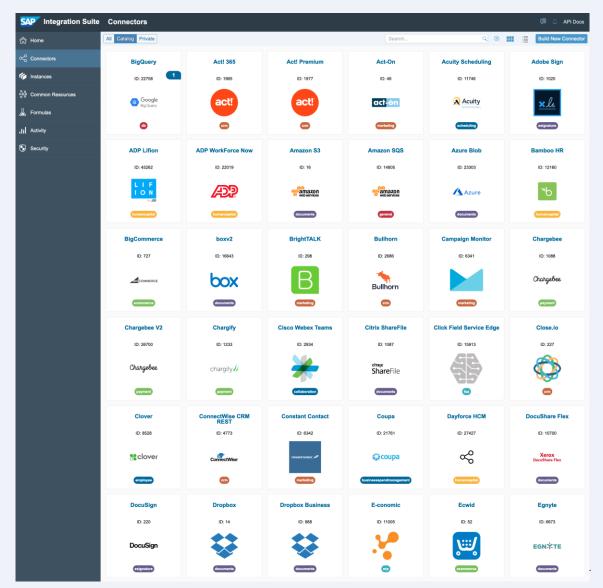


Open Connectors

Simplifies connectivity to third-party apps by providing feature-rich, pre-built connectors to over 160 non-SAP cloud applications. It offers a comprehensive and seamless integration to third-party apps that work out of the box.

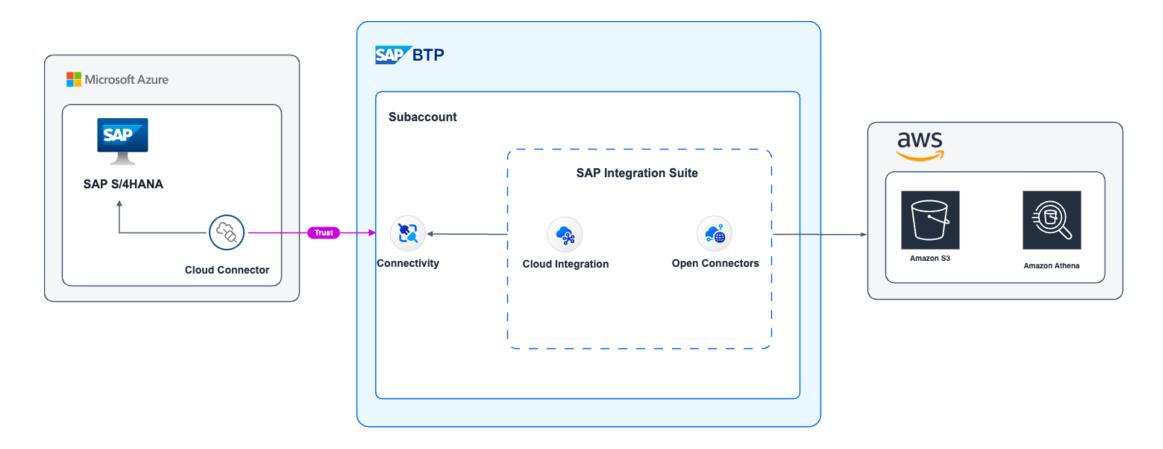
- Reduce time to connect
- Normalized authentication, error handling, search, eventing, and pagination via pre-built connectors.
- Consistent data model across one or more connectors into a normalized resource.
- RESTful APIs with built-in interactive API documentation





Open Connectors: 3rd party APIs



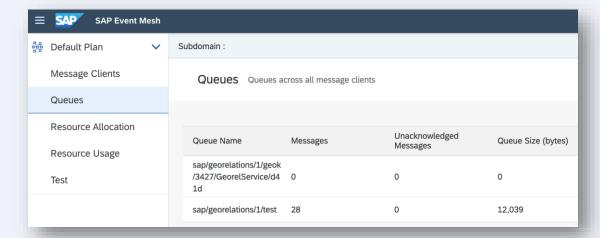


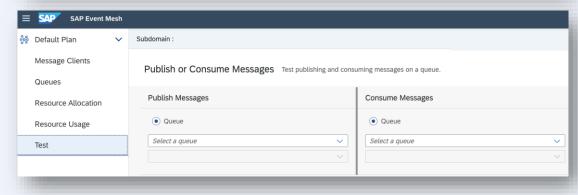
SAP Event Mesh

SAP Event Mesh is a fully-managed cloud service for enabling applications, integrations and extensions to communicate asynchronously through events.

- Event-Broker-as-a-Service decouples communication
- Business real-time updates on significant changes in business applications
- Share SAP events outside the core SAP ecosystem
- Loosely coupling business applications and infrastructure
- Openness and focus by supporting open standards while providing extra benefits for SAP's ecosystem

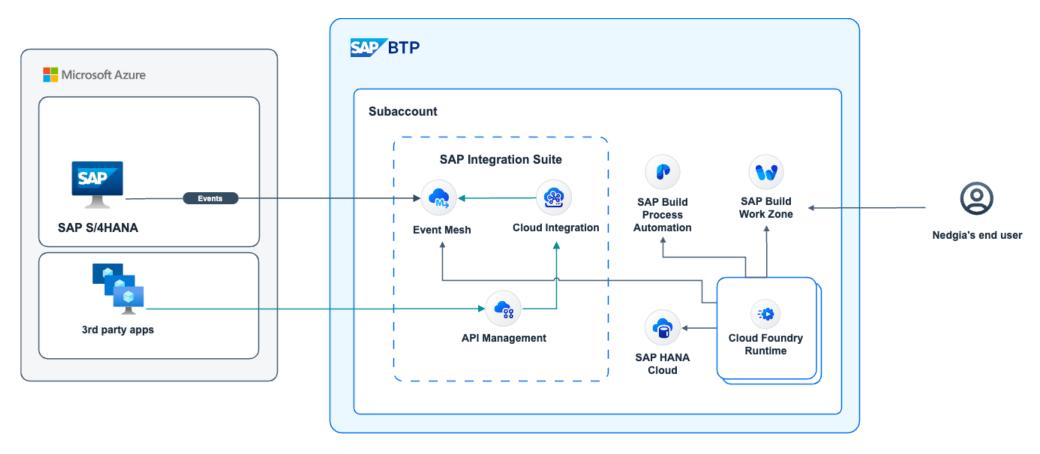






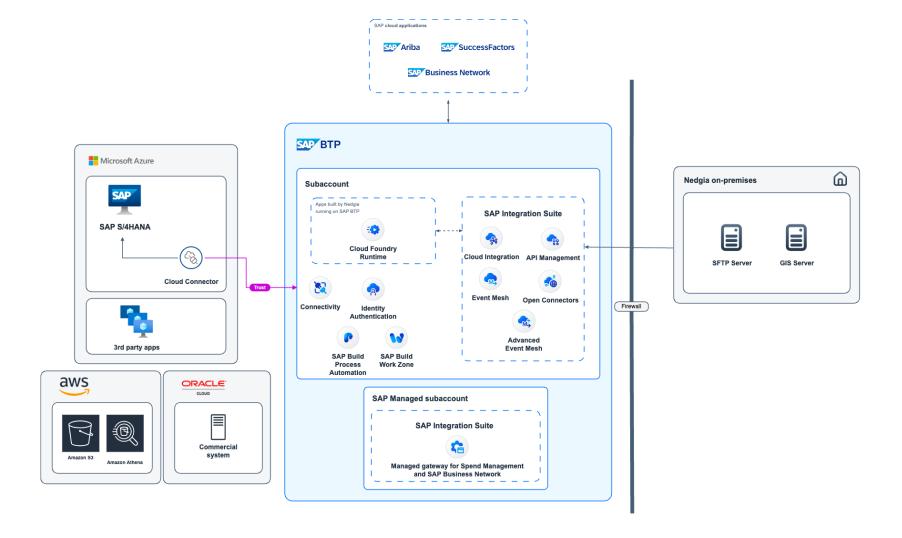
SAP Event Mesh





Nedgia's current landscape

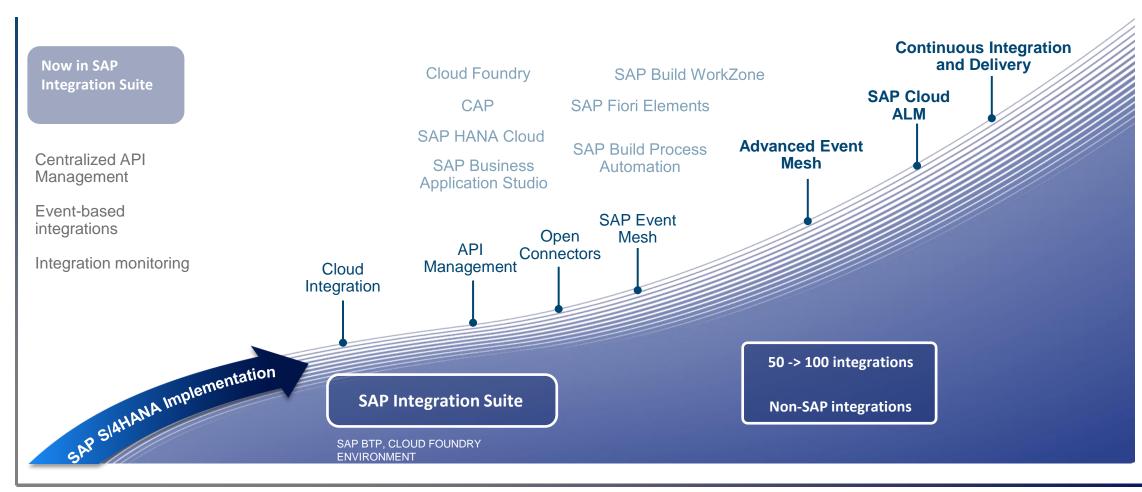




What's next in Nedgia's integration journey?

2021





2023

TODAY

2022

How has SAP helped you on this journey?





Migration tools and assessments

- It's all about the right mindset
- Edge Integration Cell
- SAP Migration Factory
- Migration Assessment
- Evolve Neo program





How to approach integration modernization?

Start with the right mindset and methodology





THINK STRATEGICALLY

- Invest in standardized solutions that support you for the long haul
 - New projects on SAP Integration Suite
 - Stop investments on SAP PI/PO or SAP CPI on SAP BTP, Neo environment
- Do not assume "lift and shift" is your best option

2



START SIMPLE

- Choose easy migration scenarios to gain experience
- Consider prebuilt integrations maintained by SAP (api.sap.com)
- Migrate simpler scenarios with least disruption to gain experience

3

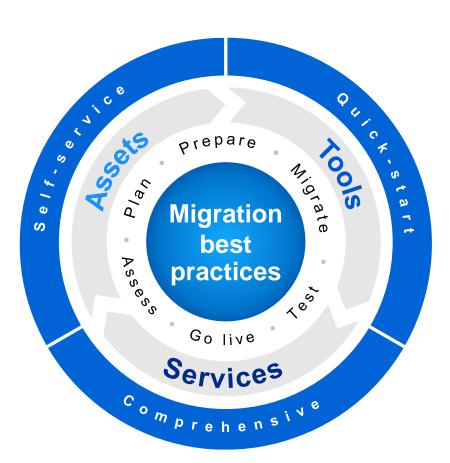


SCALE CONFIDENTLY

- Approach more complex scenarios
 - Highly customized / code intensive
 - Ground-to-ground
 - Business-to-Business
 - Mission critical scenarios

How to accelerate modernization outcomes and lower risks?

Take advantage of assets, tools, and services from SAP & partners





SELF-SERVICE HELP

- Assessment tools to evaluate your existing environment and estimate efforts
- Tools to automate migration and testing from SAP and partners
- Migration guides, documentation, and community content to guide you through the migration lifecycle
- Pre-built integrations maintained by SAP



QUICK START PROGRAMS

- SAP Migration Factory a free 2-3 week program to help asses and plan your migration from SAP PI/PO to SAP Integration Suite
- Evolve Neo program free access to SAP experts who help you plan and prepare your migration to SAP Integration Suite on SAP BTP, Cloud Foundry environment
- SAP Service and Support offer SAP Integration Suite quick start and migration assistance with short duration, low cost engagements



END-TO-END SERVICES

- SAP Services tailored services across the entire migration lifecycle including implementation services
- SAP Premium Engagements (e.g., SAP MaxAttention) offers a customizable deep dive SAP PI/PO migration workshop along with proof-of-concept, health-check and on-call go-live support services.

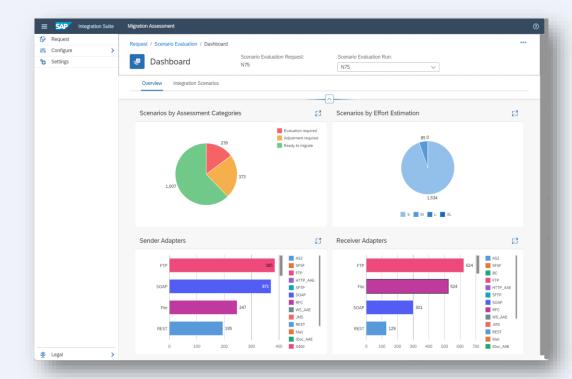
Migration Assessment capability

Transition to the cloud from SAP Process Orchestration

The Migration Assessment capability is a self-service tool that automatically analyses and assesses an on-premise SAP Process Orchestration system to be migrated to SAP Integration Suite.

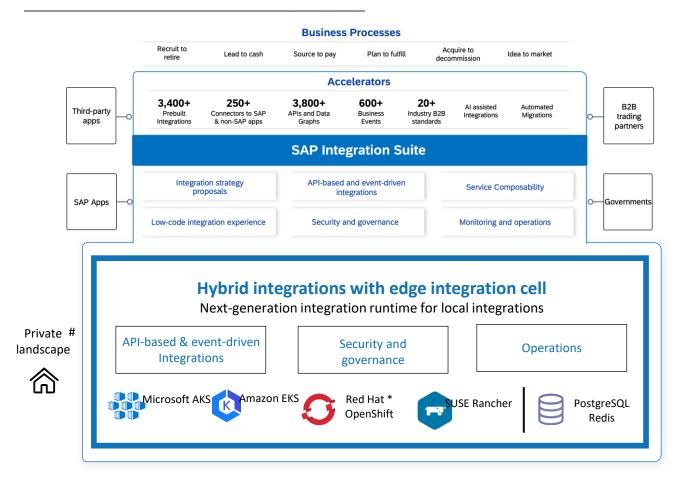


- Provides upfront transparency on estimated migration effort and costs
- Accelerates the migration process
- Analyses and assesses an SAP Process
 Orchestration system to be migrated to SAP Integration Suite
- Extracts integration scenarios from SAP Process Orchestration
- Evaluates integration scenarios based on flexible rules framework
- Estimates migration effort
- Complements the migration tool to semiautomatically migrate integration scenarios from SAP Process Orchestration to SAP Integration Suite based on integration flow templates



Edge Integration Cell

Next-generation "hybrid" integration runtime



EDGE INTEGRATION CELL – WHY?

Elevate the transformation journey for **SAP PIPO** Customers

Stickiness of on-premise / private cloud install base

Regulatory Compliance

Embrace the modern cloud with hybrid architecture

Private landscape corresponds to on-premise or private cloud.

^{*} Part of the road map, beyond GA

SAP Migration Factory

Detailed Engagement Model

Transfer to Customer, SAP Services or Partner



Migration Assessment FREE

STEP 1: Define Scope (Capture Information & Analyze)

1-2 WEEKS

Information / Access Required

- Migration Questionnaire
- Review as-is architecture & landscape (including interfaces and applications)
- Run automated assessment utility to assess current environment (v. 7.5 SP06 and higher)
- Access to current environment (optional)*

Access to Customer SME

 2-to-3 (1 hr.) technical call's with customer

STEP 2: Migration Plan (Approved by Customer)

1 WEEK

Review and Approve

- Migration Scope (inventory of integrations; SAP & non-SAP)
- Migration Roadmap (Dev/QA/Production cutover)
- Migration Plan (timeline, effort)

SAP Integration Suite Education

Migration Benefits & IS Education

Migration Execution PAID

STEP 3: Migration Prep & Execution

Migration Execution

- Ramp-up customer:
 SAP Integration Suite
- Prepare environment (Dev/QA/Prod)
- Migrate artifacts
- Test & adjust migration
- Go-live
 - Configure production integration/apps
 - Monitor for issues
 - Final enablement/sign-off by customer

Create Project Plan



Evolve Neo program

Migrate your Neo implementation to a modern, multi-cloud foundation

Four easy steps to help you succeed in your modernization journey

1

One-hour kick off call to go over an overview of the program and migration process 2



An SAP BTP expert for two weeks:

- Analyses your Neo services – including your apps, configurations, and security settings
- Develops a migration roadmap detailing system scope and migration journey

3

One-hour call to review the migration roadmap and discuss next steps with your team 4

Checkpoint Calls every 2 – 4 weeks with SAP
BTP experts to address your migration-related questions

Prerequisites

- Program open to CPEA and subscription customers only
- Must have active SAP BTP, Neo environment subaccounts
- Must grant SAP access to subaccounts to be analysed for migration

Get started today!

Contact: sap.btp.migration@sap.com

SAP Partner offerings

Automated Integration Testing



CAPABILITIES

- Automatically create and execute test cases
- Automatically capture messages from productive landscapes using Int4 Robotic Crawler
- Simulating 3rd party systems and B2B partners with captured messages
- Validate message routing, mapping, and translation
- Audit test quality
- Scale to millions of test cases
- SAP certified ABAP add-on; whitelisted for SAP Private Cloud (SAP_BASIS & SAP_ABA 7.40; Fiori UI Optional SAP_UI 7.54 SP02 See <u>SAP Note 2796241</u>)







Figaf Migration Edition

CAPABILITIES

- Automatically generate test scripts & creation of test data
- Advanced testing capabilities like
 - Mocking endpoints
 - Ensuring compliance with confidential data sets
- SAP PI/PO migration process management & automation
 - Complete migration status overview
 - Generate test data from SAP PI/PO & compare results
 - Migrate/test from SAP PI/PO 7.1 to 7.5
- Built on SAP BTP (Cloud Foundry)
- 12 months FREE usage of testing tools for migration purposes
- 2 months FREE trial of full DevOps Suite with migration tools
- Runs on customer SAP BTP or Desktop (Java JRE 8+; PostgreSQL 11+)



Key Points to Take Home

- Future-proof your investments and move to multicloud
- Think strategically "Lift-N-Transform"
- Start Simple and Scale Confidently
- Take advantage of Evolve Neo and Migration Factory. Free programs
- SAP Integration Suite: Versatile, Hybrid and Enterprise-Grade integration platform.









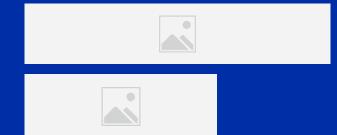


Thank you! Any Questions?

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Please remember to complete your session evaluation.



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Integration Suite (ondemand.com)

EIC: https://cpisuite-us-07.integrationsuite.cfapps.us10.hana.ondemand.com/shell/home