



MINDSET

From Integration to Innovation: CHS's SAP BTP Journey

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Leading farmer-owned energy, agronomy, grains and foods cooperative

Originate more than 765 million bushels of grain
Handle more than 2 million tons of crop nutrients
Supply more than 300 million gallons of energy products
Manufacture more than 1 million tons of animal feed

What we do



CHS's Challenge - Integration



Vijay Gonuguntla

Principal Software Engineer
SAP IT Integration

“ CHS needs a **middleware platform** with capabilities to **integrate** on-prem and SAAS applications. ”

CHS's Challenge – Front End



Jeff Carty

Manager, IT Engineering
CRP IT App Development

“ CHS system landscape is quite complex containing many SAP systems and SAAS applications. Our users needed a single unified launchpad to access all of their applications in one place. ”

CHS's Challenge - Security



Fred Sirota

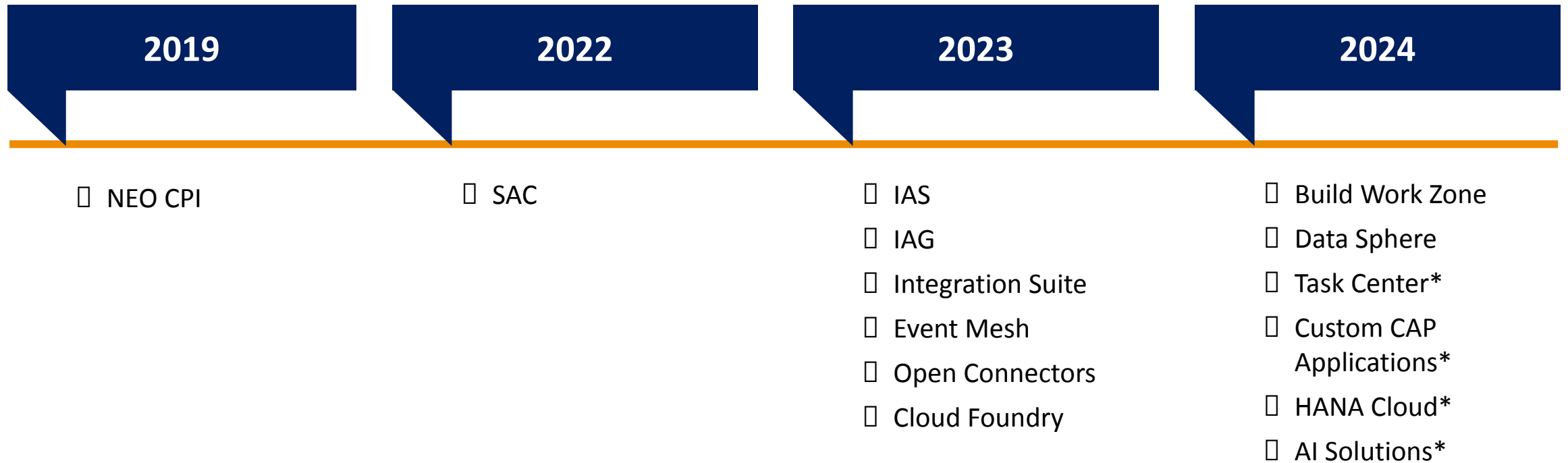
Senior Manager
SAP Security

“ SAP Cloud solutions requires an efficient and compliant approach to authentication and user provisioning. We need a solution that can effectively handle risk analysis and manage user provisioning

”

**We found SAP BTP has an answer for the
challenges we were facing**

CHS's SAP BTP Journey - From Integration to Innovation ..



Execution Challenges – Adjustments

Neo Sunset

Included migration plan to Cloud Foundry in overall SAP BTP strategy.

Documentation / Knowledge gaps

Documentation for BTP was evolving. We worked with SAP Max A and our partner Mindset to plug in the gaps.

Cloud Security

Included IAS/IPS and IAG in our BTP road map and implemented them to build a comprehensive security process for SAAS applications.



Execution Challenges – Partnership selection

- Mindset Consulting selected as the IAG implementation Partner
 - Implementation completed in 2023
- Established Advisory Services with Mindset
- Advisory Services coverage:
 - BTP (enablement, governance, security, usage)
 - Build Work Zone
 - Fiori
 - Clean Core
 - Integration Suite
 - Event Mesh
 - HANA Cloud
 - DevOps optimization

Results

Seamless Integration

Integration Suite enabled seamless integration between on-premise and SaaS applications, such as SAP Fieldglass and SuccessFactors.

Real-Time Analytics

Implemented SAC and Datasphere for real-time reporting capabilities.

Unified and Central Launchpad

With SAP Build Work Zone, we have a unified launchpad to publish applications from different versions of on-premise and BTP environments.

Cloud-Based Applications

Legacy solutions are replaced with CAP applications built on SAP BTP / Cloud Foundry environment.

**we are now much
better prepared for the future.**

**SAP BTP provides us the ability to scale
as our Energy and Ag S/4 instances grow.**

What are we doing next?

Centralized Task Management

Implement SAP Task Center to provide a unified interface for managing tasks across various SAP applications.

Artificial Intelligence

ABAP and Fiori testing, Clean Core Advisor using AI

CAP Applications

Develop CAP applications to replace legacy / standalone solutions which are not scalable

HANA Cloud Database

Use HANA Cloud database for CAP applications

AI for SAP IT Teams

The screenshot displays the Mindset's RAG Framework interface. On the left, under the 'Bots' tab, there is a list of bots including 'ABAP Unit test code generator', 'UI5 js code unit test generator code and test cases', 'No docs bot', 'Clean Core Bot', and 'Clean Core Advisor'. Each bot entry includes a name, a description, and a unique identifier. On the right, under the 'Conversation' tab, there is a log of interactions. The first conversation is titled 'Generate UI5 QUnit Tests for Carrier Controller' and dated 'Aug 14, 2024, 7:45:43 PM'. The second conversation is titled 'Generate UI5 QUnit Test Cases for Carrier Controller' and dated 'Aug 14, 2024, 7:29:53 PM'. The third conversation is titled 'UI5 QUnit Test Case Creation' and dated 'Aug 14, 2024, 5:22:35 PM'. The fourth conversation is titled 'UI5 Controller Comments and QUnit Test Cases' and dated 'Aug 8, 2024, 10:21:27 AM'. The fifth conversation is titled 'UI5 Controller Code Comment Addition' and dated 'Aug 14, 2024, 7:41:31 PM'. The conversation log shows a series of messages, including a prompt to generate QUnit tests and a response providing the generated code.

Mindset's RAG Framework

CHS is using Mindset's SAP BTP hosted **RAG Framework** to make the development process more efficient.

The first 2 use cases are:

1. A clean core advisor trained with unlimited support documentation and CHS coding standards
2. ABAP and Fiori Testing bot to propose Qunit tests

AI for SAP IT Teams (RAG Architecture)

