



SAP Innovation Awards 2019 Entry Pitch Deck

DAS

Baton Simulations



<https://www.youtube.com/watch?v=cZJUCeWjQIQ>

DAS

Baton Simulations



“Quote”

“The Corporate Training Market, which is over US\$130 billion in size, is about to be disrupted.

Companies are starting to move away from their traditional Learning Management Systems (LMS), buy all sorts of new tools for **continuous, digital, intelligent learning, and rebuild a whole new infrastructure to help employees learn.**”

2017 Deloitte Human Capital Trends Research

Challenge

- Automatically determine the best workflows according to the mission of an enterprise and their production/management pipeline
- Automatically generate guiders according to an employee’s experience and role in the company

Solution

- Develop an Artificial Intelligence module, based on a SVM mechanism, that analyzes the navigation of every employees to determine an enterprise-specific workflow
- Put the enterprise-specific workflow in perspective with a specific user’s navigation to circumscribe its incorrect usage of SAP functions and mold predefined help topics according to its experience and role in the company.

Outcome

- Easy integration of new SAP modules in an enterprise's production pipeline.
- Cuts the learning curve by half.
- Prevents frustration and human errors that may be very costly.

- Reduce need for classroom training

- Reduce overall content creation time

- Reduce time-to-proficiency, i.e., ramp-up time



Business Challenge & Objectives

- Adapt the actual AI algorithms to our use case: The well-known AI techniques such as neural networks or SVG, have never been used for this kind of application.
 - A lot of possible workflows and too small a knowledge base: DAS, like every AI-based system, needs a lot of training data to perform well. Nevertheless, it has to perform accurately even if it has just been installed in an enterprise.
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- Develop a flexible knowledge base from SAP best-practices, which will adapt itself according to the enterprise workflow. From there, DAS will perfect itself by learning the enterprise's specific ways of working with SAP
 - Develop a AI module that will automatically mold and adapt a series of generic information topics according to a series of parameters defining the user's role and experience.



Project / Use Case Details

Please describe your project use case

- Based on the user role (profile) and interaction with the SAP application, DAS will suggest possible next-best action or propose help.
- DAS provides visibility to cross-functional processes and communicates state-generated alerts so that users can take action.
- DAS facilitates the automatic translation of SAP screens and allows IT to support global multilingual user base with little effort or cost.



Benefits and Outcomes

Business / Social

- Improve user productivity on any SAP application
- Reduction in time-to-proficiency, i.e., ramp-up time

IT

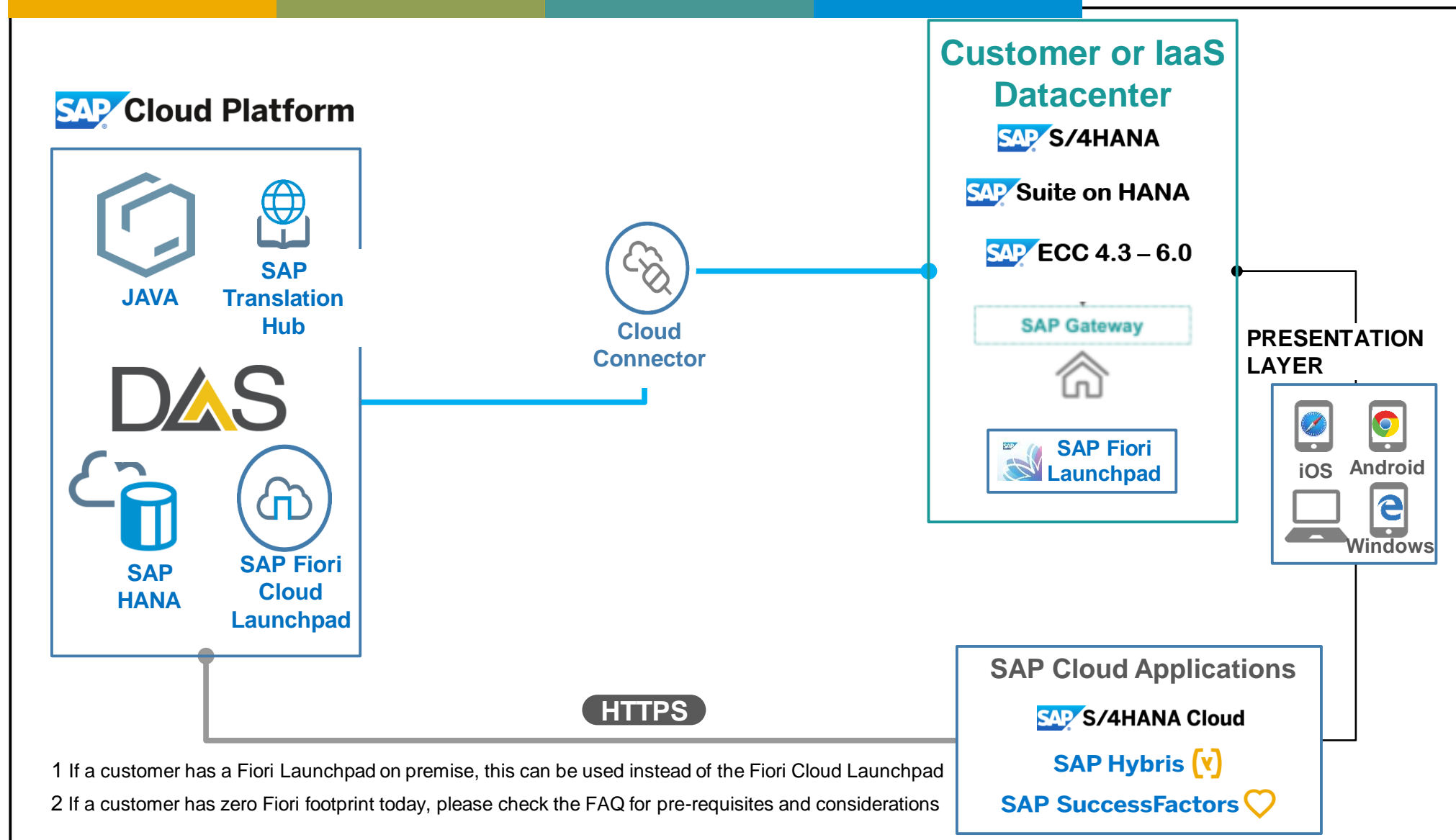
- Reduction in overall content creation time, e.g., online documentation and help
- Reduction in TCO due to codeless programming
- Ability to support multilingual users through automatic translation of SAP screens

Human Empowerment

- Overcome user resistance/anxiety to new SAP applications
- Accelerate user adoption/enablement of new SAP applications
- Reduction in instructor-led training time



Architecture





Deployment

Date of Deployment or POC: 28 Mar 2018

Number of live users: 1000+

SAP Technologies Used:

SAP Cloud Platform	Live
SAP HANA	Live
SAPUI5	Live
SAP Translation Hub	Live
SAP Blockchain & Hyperledger Fabric	POC
Integration in SAP S/4HANA, SAP Ariba, SAP SuccessFactors, SAP Business ByDesign, SAP Analytics Cloud	Live

Server Processor: N/A - Hosted on SAP Cloud Platform

Linux Distribution: N/A - Hosted on SAP Cloud Platform



Emerging Technologies and Use Cases

The following Emerging Technologies and use-cases are part of the project and describe the contribution

	Technology or Use Case	Yes/No	Contribution to Project
1.	Machine Learning / Artificial Intelligence	Yes	To develop AI-driven functionalities in our DAS solution
2.	IoT	Yes	To consume IoT services to develop IoT tracking functionalities
3.	3D printing	No	
4.	Blockchain	Yes	For the implementation of an audit trails feature
5.	API Economy / Integrate the Intelligent Enterprise	No	
6.	Cloud Native / Event Based Architectures	No	
7.	Extending the digital core with SAP CP / ABAP in SAP CP	No	
8.	SAP Leonardo Application (extending SAP application, using Industry Innovation Kits or result of Design Thinking workshop)	Yes	To develop AI-driven functionalities in our DAS solution