THE ARTIFICIAL INTELLIGENCE FOR YOUR FINANCIAL MANAGEMENT

DIGITAL POSTING ASSISTANT FOR SAP S/4HANA AND SAP ECC

nooxit

gambit

DIGITAL POSTING ASSISTANT FOR SAP S/4HANA AND SAP ECC

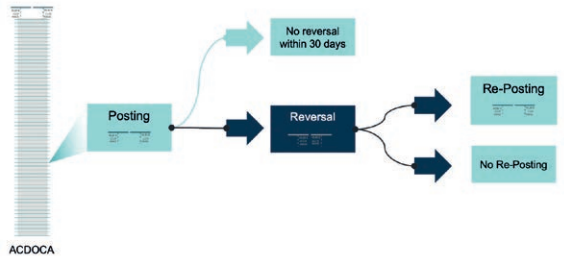
The Digital Posting Assistant (DPA) is a Machine Learning based assistant for financial accounting. It uses historical data from SAP source systems to train Machine Learning models. In live operation, every posting entered is analyzed in realtime. Based on success probability the DPA sends configurable warnings, avoiding incorrect postings. This reduces the error rate, lowers costs and increases efficiency in accounting.

Every enterprise continuously consumes and creates financial data. This leads to thousands of finance postings every day. These postings play a crucial role for the success in all enterprises, especially since in-memory and cloud technologies allow to take advantage of finance data in realtime.

Critical decisions require the most accurate data possible.

Not all journal entries, though, hold true. Therefore, finance departments are triggering remediation activities to reverse postings and reposting them a second time. Meanwhile, such journal entries may already cause undesired secondary effects.

So, the point is: Avoiding unnecessary reversals reduces costs and increases productivity in your finance department.



REVERSAL OR NOT FI postings can be reversed and rebooked with corrections

How many mistakes could be avoided if every accountant had the experience from all the other finance experts?

Humans learn by repetition. In this way they learn to recognize patterns. This pattern recognition enables people to identify potential problems while they are still working on a task.

Traditionally, IT organizations are trying to capture undesired patterns with the help of process mining and react with the introduction of rule frameworks for mitigation. These rules will then be governed, KPIs created and added to daily monitoring. Often end user retraining is performed, documentation created, and communities established.

In the end, organizations tend to rely on their most experienced experts for the next project to come and delegate critical tasks to less experienced people.

The experience is hiding in your ERP data.

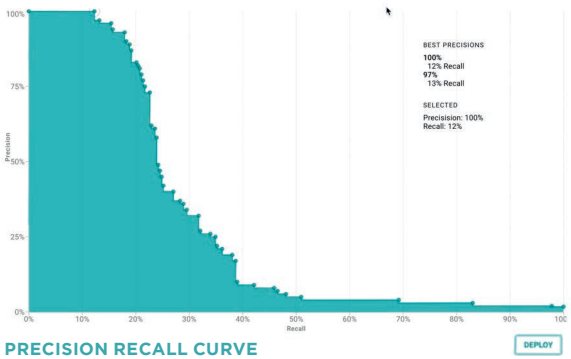
Here comes the (slightly unfair) advantage of the Digital Posting Assistant.

Trained with every single finance posting ever done in your ERP landscape, it learns the correlation between exceptions and success and translates them into several neural Machine Learning modells.

Run the assistant in silent mode to fully flex its AI muscles before taking action.

After the initial training the DPA can be used in silent mode. The DPA checks incoming postings without providing feedback to the end user and continues to collect data.

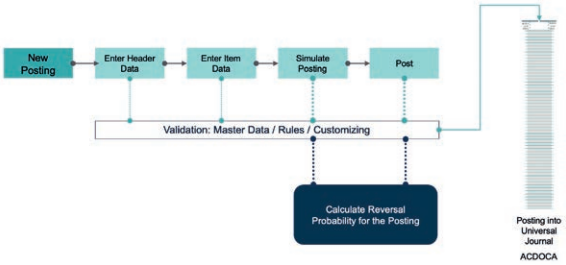
This allows you to evaluate the potential of the DPA without any risk and to find the best operating point to maximize the benefit for your organization. In this step you find the right balance between precision and number of detected reversals from the overall amount of reversals.



PRECISION RECALL CURVE

The DPA can help you with preventing erroneous postings before they are made.

After a Machine Learning model is trained every submitted posting is analyzed. A prediction is made indicating the probablity of success for the posting.



AI BASED VERIFICATION The DPA extends the rule-based check of an FI posting using machine learning models that are trained with historical transactions.

From now on, every financial posting is analyzed in realtime and the user is alerted. This can be done via a classic GUI or through the FIORI app.

Experience will now influence behaviors, and you may want to set the DPA to raise warnings or prevent the submission of a posting entirely.

As a result, DPA supports companies in their transformation to more efficiency, higher automation and better results. And that is also the most important goal for us.

This is what it takes.

The Digital Posting Assistant consists of a Cloud and an SAP S/4HANA or SAP ECC part. The cloud part runs on Amazon Web Services (AWS), alternatively on SAP's Cloud Platform. On special request, we are also offering an On-Premise version.

Scope of services:

- SAP S/4 HANA Cloud
- SAP S/4 HANA On-Premise
- SAP ERP 6.0
- SAP ECC

For the initial training you have the choice to deploy a data extraction App on SAP S/4HANA or SAP ECC, or to expose data via CDS views.

For silent and for active operation, the SAP S/4HANA or SAP ECC system needs to be enabled to provide data to the cloud-based application and request a prediction from the cloud-based application.

How are our accountants affected in case the DPA Service is unavailable?

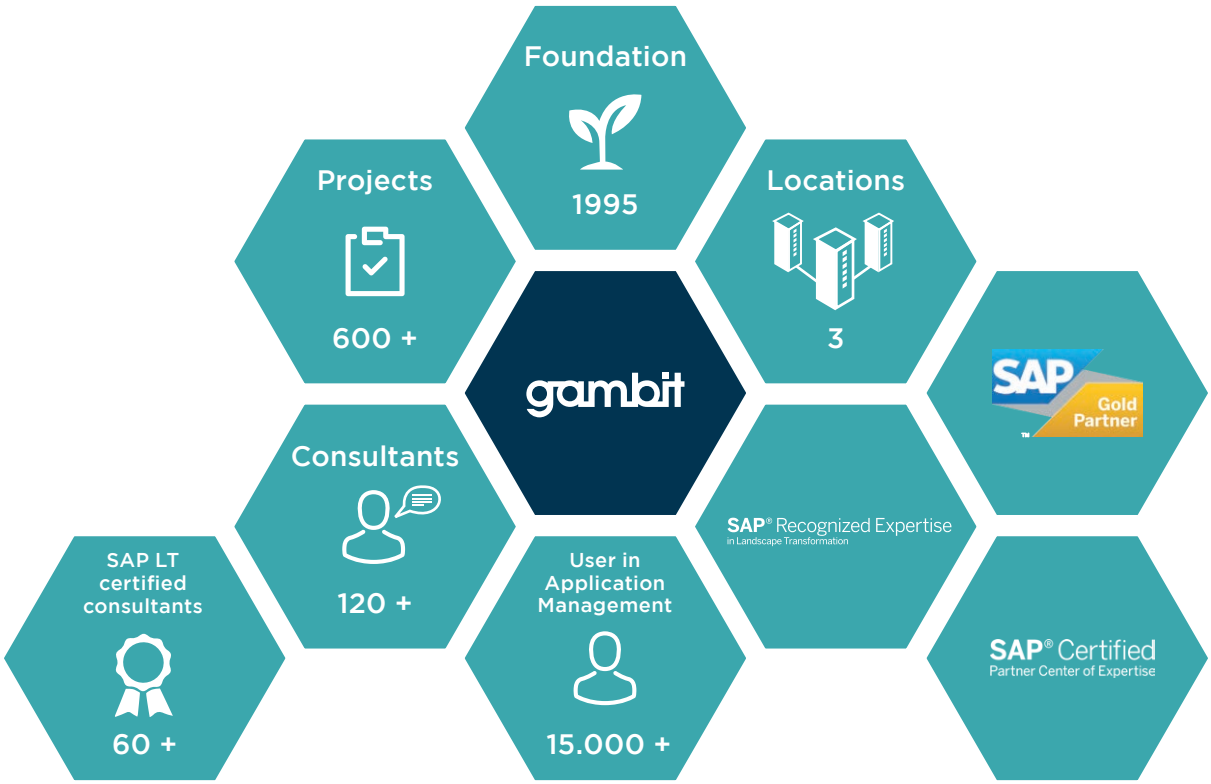
Efficiency and effectiveness in the accounting teams depend on a fast-performing system. This is why the DPA was designed in a way that it can handle a large amount of parallel requests without any degradation in service. For optimum risk mitigation we implemented the following feature: If the DPA does not respond within 500 milliseconds to the request from the user, the processing of the financial posting continues as if there was no DPA.

This is what you can do now.

Are you interested in the DPA? We are at your disposal with pleasure.

You find the technology interesting – but you face other challenges? Of course, you are welcome to contact us at any time.

gambit OVERVIEW.



SELECTED REFERENCES.

REWE · Ricola · RWE · thyssenkrupp · SIEGWERK · e-plus · FRESSNAPF
SIEMENS · Sika · vodafone · 1&1 · telegate · home24 · hp
amag · DURABLE · Gardner Denver · PIRONET A CANCOM COMPANY · NORD/LB · novoferm · oerlikon
ORICA · P&G · kardexremstar · QVC · HITACHI · ECOLAB · BAUER

DE GAMBIT Consulting GmbH | Junkersring 35 | 53844 Troisdorf | Fon +49.2241.8845-0 | info@gambit.de | **www.gambit.de**
DE NOOXIT GmbH | Lohmühlenstraße 65 | 12435 Berlin | Fon +49.2241. 8845-0 | info@nooxit.de | **www.nooxit.com**
CH GAMBIT Consulting AG | Rothusstrasse 15 | 6331 Hünenberg | Fon +41.41.418.45-20 | info@gambit-consulting.ch | **www.gambit-consulting.ch**