



PrideVel Business Solutions

ABAP Tools and Services

HANA Remediation

Optimization

DevOps

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Introduction

PrideVel is an SAP Services Partner providing SAP implementation and support services to SAP customers across all industries. The services include:

- Business Assessments and SAP Solution Implementations
- SAP ERP Optimization and Application Management Service (AMS)
- SAP ERP migration to suite on HANA (cloud or on-premise)
- SAP ERP migration to S/4 HANA (cloud or on-premise)
- SAP Technical Development (RICEF)
- Platform Integration services using Dell-Boomi and Jitterbit

PrideVel has rich experience in serving SAP customers. Besides regular day-to-day systems support, PrideVel has successfully executed all types of projects including version upgrades, data center movements, System copies, OS/DB migrations for these clients – all work done remotely.

PrideVel not only manages their client's systems but also takes on the role of a trusted partner, advising the clients on new technologies, solutions and innovations brought out by SAP and their applicability to client's business, providing maximum value to the client.

PrideVel support teams are well experienced in supporting all SAP solutions such as ECC, CRM, BI/BO, SRM, SCM, PI/PO, Portals, SuccessFactors etc. across multiple OS/DB platforms, industries and geographies. The company constantly develops solutions and utilities to improve the service quality, productivity for customers benefit.

PrideVel is a Gekkobrain master reseller in North America to sell and license the Gekkobrain set of tools for SAP ABAP HANA readiness, optimization, and SAP DevOps.

SAP Custom Code Challenges

The custom ABAP code is one of the major challenges faced by SAP customers. SAP customers over time build a repository of thousands of custom objects to meet their unique business requirements. A lot of this code is either inefficient or not used any longer. For any organization to first identify what is used and later optimize it for better performance is a big challenge as it requires several months of dedicated programming effort.

Gartner on custom ABAP coding

"...Inefficient custom code has nudged many ERP systems into the slow lane..."

".... Custom code is very often at the heart of a difficult SAP performance problem..."

The problem compounds when organizations want to migrate their business suite to HANA or S/4HANA. They need to make sure that the code is not only efficient but also it also meets the mandatory requirement for HANA.

PrideVel's Optimization and HANA Readiness service for ABAP helps SAP customers overcome the challenges with the custom code . It leverages the Gekkobrain suite of products to provide full lifecycle ABAP consulting and remediation services such as ABAP optimization, HANA readiness assessment, HANA adaptation, and DevOps services for SAP to SAP customers.

ABAP – HANA Readiness Assessment

Pain Points

Unsure of,

- Efforts required to migrate to HANA
- What changes are mandatory and what can be done after migration
- Which programs are not being used and can be de-commissioned

The Gekkobrain Cloud Application Extractor extracts information from SAP SCI, UPL, and SQLM on your SAP landscape. The extracted information is imported into the Gekkobrain Cloud application. The cloud uses input from various sources (both from Development and Productive system) in order to generate an Assessment.

Based on the gathered information and its own proprietary algorithm, the Gekkobrain Cloud will generate details on the HANA readiness changes you need to make in your ABAP code, the effort required to make the changes and the custom objects you can decommission. It will also prioritize changes for you enabling you to focus on high priority issues first and choose to defer low priority issues until after migration.

Business Benefits

- Greatly improve success rate of HANA migration project by precisely knowing the custom code adaptation effort beforehand
- Reduce code conversion time from months to weeks or even days
- Save ongoing maintenance effort by decommissioning unused code

PrideVel Offering

PrideVel offers one-week consulting/advisory service for HANA readiness assessment for ABAP. The service includes setup of Gekkobrain Cloud, installation of the extractor and training. Based on the assessment report, the customer can formulate next steps in the Code Adaptation process.

Deliverables:

- Setup of Gekkobrain Cloud
- Installation of Extractor
- Prioritized issues based on program usage
- List of unused programs
- Efforts required to adapt the code
- List of changes required in code

ABAP – HANA Remediation

Pain Points

- Months of effort required to remediate ABAP code for HANA
- Tracking HANA remediation project is a big task
- Not sure how to prioritize changes
- Difficult to make sure new programs created while in the migration cycle are HANA compliant (how to stop bleeding)

The Gekkobrain Cloud and Gekkobrain Codefixer make moving to SAP HANA simple by automatically fixing up to 90% of your mandatory code-issues. Gekkobrain provides following features:

- Identifies and analyzes all issues of HANA-incompatible code
- Automatically fixes up to 90% of mandatory code issues
- Identifies non-mandatory code issues that impede system performance
- Recognizes incompatible code that is no longer used and can be deleted

- Built-in Project management tools to help assign tasks and track progress non-mandatory code issues
- Highly intuitive with a user-friendly UI
- Notifies you of newly added HANA-incompatible code
- Provides detailed effort estimations

Business Benefits

- Greatly improve success rate of HANA migration project by precisely knowing the custom code adaptation effort beforehand
- Reduce code conversion time from months to weeks or even days
- Save ongoing maintenance effort by decommissioning unused code
- Save hundreds of thousands of dollars by automating mandatory code conversion
- Efficiently manage conversion project by using the integrated project management tool

ABAP – HANA Remediation

PrideVel Offering

PrideVel will manage complete end to end HANA adaptation and migration project using Gekkobrain Cloud, and Gekkobrain Codefixer. PrideVel will make automated and manual changes to fix the HANA readiness issues. PrideVel will also test the changes and ensure that the migrated custom code to works as expected.

Deliverables:

- Project management of the HANA adaptation project
- Setup of Gekkobrain Cloud, and Gekkobrain Codefixer
- Installation of Extractor, and Gekkobrain Importer Tool
- Analysis of existing ABAP code and prioritization of issues
- Identification of code for decommissioning
- Automatic fix of issues where possible
- Manual fix of issues not fixed by the Codefixer
- Testing of ABAP code after HANA remediation
- Transport of corrected code in QA and Production

Case Study

Below are the HANA readiness statistics of an European wind turbine manufacturer.

Initial analysis by a large global consulting company

- Identified 35,000 issues with the custom ABAP code
- Total estimated effort for manual HANA adaptation
1200-person days

Gekkobrain analysis

- Only 10% of objects needs fixing saving 1000 days of effort
- Another 150 days saved with automated code fix

Effort without Gekkobrain: 1200 days

Effort with Gekkobrain: 50 days – A savings of 95%

ABAP Code Optimization

Pain Points

- ABAP code has been developed by many developers over many years
- Custom code is cluttered and having performance issues
- Not sure where to start for performance improvements and what changes will improve the code

The Gekkobrain Code Optimizer for SAP optimized ABAP code running on any database. The Code Optimizer measure the quality of your ABAP code, filters away unused code, and at the click of a button automatically improves the quality of your code so that it runs faster. It also prepares your code for HANA resulting in saving efforts when you decide to migrate to HANA. Customer have observed up to 50% of performance improvement after using the auto code fix.

Analysis

- Measures the quality of your ABAP Code
- Filters away unused code
- Filters for impact if code is fixed

PrideVel Offering

PrideVel will analyze all custom programs, identify coding issues, and modify them for performance improvement with automated and manual code changes.

Deliverables:

- Project management of the ABAP optimization project
- Setup of Gekkobrain Cloud, and Gekkobrain Codefixer
- Installation of Extractor, and Gekkobrain Importer Tool
- Analysis of existing ABAP code
- Identification of code for decommissioning
- Automatic fix of issues where possible
- Manual fix of issues not fixed by the Codefixer
- Transport of corrected code in QA and Production

Automatic Code Fixing

- Improves quality, so your ABAP runs faster
- Works at the click of a button

ABAP DevOps

Pain Points

- Difficult to ensure/measure code quality due to offshoring, faster release cycle, third party integrations
- Impossible to find root cause leading to performance degradation over multiple releases
- Code is developed and maintained by different programmers over many years
- Difficult to define and measure quality of outsourcing vendors

Gekkobrain DevOps for SAP unifies ABAP code and operations to give you real time understanding of your code performance and actionable insight for improvements. It does the following things for you,

- Runtime checks of static code
- Dynamic data at hand at development stage
- Constant monitoring and prioritization of problems
- Prediction of potential issues
- Root cause establishment
- Actionable prioritized advice
- Developer Dashboard for the developers
- Ops Dashboard for the leadership

Business Benefits

- Better control over developers and outsourcing partners
- Higher quality in ABAP
- Improved and more reliable SAP performance
- Faster onboarding of new developers
- Understand business impact from development
- Unified Development and Operations
- Fewer dumps
- Action Driven Ops: Findings find you
- Prioritization of Dev and Ops tasks

Value

- Savings on development
- Savings on database operations (or more for the money)
- Improved User Satisfaction
- Prioritization of tasks based on business value
- Faster development / change requests
- Continuous Improvement

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