

OVERVIEW: SAP, GCP, AND APPSHEET INTEGRATION

Whitepaper SAP and Google Workspace

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EXECUTIVE SUMMARY

SAP systems powering critical operations often exist disconnected from the agile tools employees use daily. This paper bridges this gap by integrating SAP with Google Cloud Platform (GCP) and AppSheet. The solution addresses SAP's data silos and adaptation challenges, providing real-time insights, mobile access, and automation through GCP's infrastructure and Google Workspace's collaborative apps.



KEY BENEFITS

The SAP-GCP-AppSheet integration combines SAP reliability with Google's innovation, enabling real-time collaboration on ERP data, no-code custom apps, and advanced analytics.

This accelerates decision-making, reduces manual tasks, and boosts productivity.

IT gains cloud scalability with lower costs, while business users get flexible solutions for smarter work. Example: field service teams capture data via AppSheet directly to SAP, eliminating delays and errors.



HIGH-LEVEL IMPLEMENTATION

Integration occurs in phases. First, migrate/connect SAP to GCP's certified infrastructure. Next, establish integration touchpoints using Application Integration Connectors for SAP.

Configure AppSheet to leverage these connections, allowing citizen developers to create apps that interact with SAP securely. Furthermore enable Google Workspace integration concurrently.

This architecture maintains SAP as the system of record while GCP provides advanced services and AppSheet/Google Workspace serve as intuitive interfaces. Single sign-on ties everything together for seamless user experience.



EXPECTED BUSINESS OUTCOMES

This integration delivers measurable improvements: accelerated process cycles, more accessible and actionable data through BigQuery analysis and real-time dashboards, and cost savings from eliminated manual efforts.

Organizations gain agility with a connected workforce collaborating on SAP data from anywhere, enhancing employee satisfaction and driving ROI through efficiency gains.

INTRODUCTION

TWO LEADERS

SAP is one of the world's leading providers of enterprise resource planning (ERP) software, powering mission-critical business processes across finance, supply chain, HR, and more.

SAP's flagship solutions like **SAP S/4HANA Cloud** enable organizations to run core operations with high reliability and data integrity. **Google Cloud Platform (GCP)**, on the other hand, offers a robust and scalable infrastructure for running enterprise applications, along with advanced services in analytics, machine learning, and data management.

GCP provides a SAP-certified cloud infrastructure, meaning enterprises can confidently run SAP workloads on Google's global, secure data centers. **AppSheet** is Google's no-code application development platform, part of the Google Workspace family, allowing users to build custom business apps and automate workflows without writing code.

AppSheet integrates natively with Google Workspace (e.g., Sheets, Docs, Gmail) and can connect to a variety of data sources, providing a bridge between cloud services and end-user needs for agile, tailor-made solutions.

Gartner ranked recently both as leaders in their realm. SAP has been recognized as one of the [ERP leaders](#), whereas GCP is one of the [leading Strategic Cloud Service Providers](#).

COMBINED STRENGTHS

The integration of SAP with Google Cloud and Workspace, especially through tools like AppSheet, unlocks new possibilities for innovation. Google Cloud's infrastructure ensures SAP applications running with high performance and availability (with options for HA/DR, multi-zone deployments, etc.), while its data services (BigQuery, AI/ML APIs, etc.) can extend SAP data for analytics and insights.

Google Workspace brings familiar productivity and collaboration tools (Gmail, Docs, Sheets, Drive, etc.) into play, enabling real-time collaboration on data that originates in SAP systems. Recent partnerships between SAP and Google have led to native integrations where users can, for example, open and edit SAP data in Google Docs and Sheets directly from SAP interfaces.

This means an end-user working in a SAP S/4HANA process could seamlessly transition to a Google Doc for collaborative editing, without manual export/import steps.

WHY THIS MATTERS

For decision-makers, this integration addresses two pressing needs:



IT Efficiency: Off-load SAP workloads to Google's reliable cloud infrastructure, reducing on-premise costs and complexity while leveraging Google's global network and security.



Business Agility: Empower teams with flexible tools like AppSheet to build custom solutions on top of SAP data, and use Google Workspace for collaborative processes, creating a connected ecosystem where enterprise data interacts seamlessly with user-friendly tools.

This whitepaper explores how these technologies combine to create a powerful platform for innovation, examining the technical architecture, use cases, business benefits, and implementation approaches.

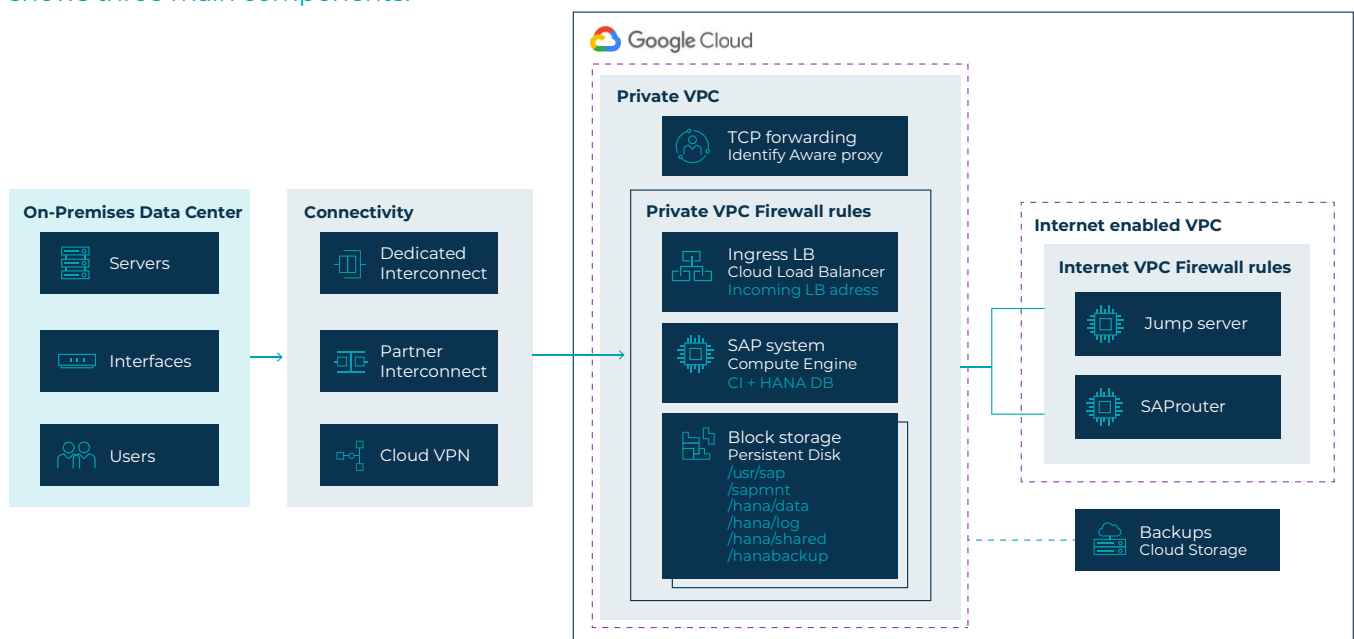
TECHNICAL ARCHITECTURE: INTEGRATING SAP WITH GCP & APPSHEET

Integrating SAP systems with GCP and AppSheet involves understanding both the deployment of SAP on Google Cloud infrastructure and the connection points that allow data and workflows to move between SAP, Google Workspace, and AppSheet.

SAP ON GCP INFRASTRUCTURE

SAP workloads can be deployed on GCP with high performance and high availability. A typical architecture for **SAP S/4HANA** on GCP might include multiple Compute Engine instances: one for the SAP application layer (Application Server and Central Services) and another for the SAP HANA database, possibly configured in a cluster for high availability.

This architecture diagram illustrates an SAP S/4HANA deployment on Google Cloud Platform. The design shows three main components:



On-Premises environment (I)

Contains users, interfaces, and local compute resources that connect to the cloud via Cloud VPN, Partner Interconnect, or Dedicated Interconnect.

Google Cloud Platform

Divided into two security zones:

- Trusted private instances zone housing SAP CI + WD + HANA compute engines
- Supporting infrastructure: Block storage (persistent disk) for data management and Cloud Storage for backups.

Internet-enabled VPC

with SAPRouter, jump server/ bastion

The architecture implements a secure connectivity model with Cloud Firewall Rules protecting both zones while maintaining necessary access paths between on-premises systems and cloud resources.

INTEGRATION VIA APIS AND CONNECTORS

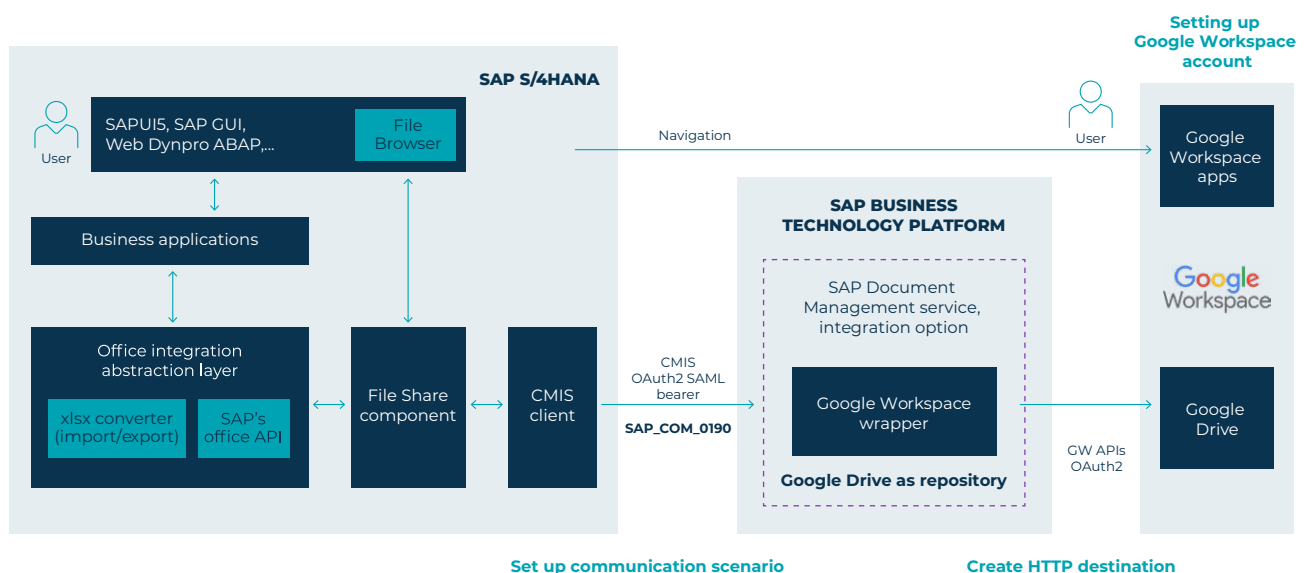
The real power comes when SAP data and processes integrate with Google services. SAP systems (like S/4HANA) expose APIs and OData services that can be consumed by external applications. Google Cloud offers **Application Integration Connectors** for SAP – essentially pre-built connectors that can securely connect to SAP systems (including on-premise ones) to read or write data. In 2023, Google announced the exposure of its library of integration connectors for AppSheet development, enabling no-code apps to directly integrate with SAP and other enterprise systems.

This means an AppSheet app can perform Create-Read-Update-Delete (CRUD) operations on SAP data through these connectors, effectively extending SAP with custom apps built by “citizen developers”. For example, a maintenance technician could use an AppSheet mobile app to fetch equipment data from SAP in real time, update a status, and have that write back to SAP – all without custom coding, just using connectors and AppSheet’s interface.

On the SAP side, integration is often achieved via the **SAP Business Technology Platform (BTP)** or directly through SAP’s integration services. One key component for Google Workspace integration is the **SAP Document Management Service (DMS)**, which can act as a bridge between SAP S/4HANA Cloud and external document repositories (in this case Google Drive/Docs).

SAP and Google’s partnership has delivered a native integration scenario where SAP S/4HANA uses a communication scenario to interface with Google Workspace. In practical terms, after appropriate configuration, an SAP user can trigger an export of table data to Google Sheets or open a Google Doc from within SAP’s UI. The authentication and single sign-on are handled via SAML/OAuth, ensuring that if a user is logged into SAP and Google with the same corporate identity, the experience is seamless.

All three systems (SAP, Google Workspace, and potentially AppSheet if counted as separate) share a unified identity management for users to enable this trust.



By integrating these platforms, businesses can streamline document management processes, improve collaboration, and enhance overall operational efficiency.

USE CASES: LEVERAGING APPSHEET AND GCP FOR SAP WORKFLOWS

Integration opens up a wide range of use cases for SAP customers. Below, we outline several scenarios where AppSheet and Google Cloud add value to SAP environments, from workflow automation to data management and collaborative processes.

USE CASE 1: WORKFLOW AUTOMATION WITH APPSHEET FOR SAP PROCESSES

Many SAP customers have manual or paper-based processes around their SAP system. AppSheet can be used to **build custom workflow apps** that interface with SAP, streamlining these processes without heavy development. For instance:

- **Purchase Requisition Approvals:**

An organization using SAP for procurement can create an AppSheet app for managers to approve purchase requisitions on their mobile devices. The app can pull in requisition data from SAP in real time (via an API or connector) and allow managers to approve or reject with a tap. Upon approval, the AppSheet app calls an SAP API (through the connector) to update the requisition status in SAP. Integration with Google Workspace means that approvers could get a Gmail notification or see a Google Chat message when a requisition is pending, and even approve it directly from their email (AppSheet can embed action links in emails). This speeds up approval cycles dramatically, as managers aren't required to log into the SAP GUI on a desktop – they can act from their phone or Gmail.

- **Field Service Data Entry:**

Consider a utility company with SAP PM (Plant Maintenance) or a manufacturing company with SAP managing production orders. Field technicians often need to report on equipment status or task completion. Using AppSheet, a no-code app can be built for technicians to scan a QR code on a machine, view the maintenance orders (fetched live from SAP), input readings or completion notes, maybe even take a photo of the equipment, and submit. That data can then update SAP in the background. This replaces clunky SAP transactions or paper

forms with a user-friendly mobile experience. A real-world example is Camanchaca, a Chilean seafood company, which equipped its field technicians with an AppSheet app to manage work orders and track tasks, tightly integrated with their backend systems. The result is faster data capture, fewer errors, and immediate visibility in SAP for supervisors.

- **Inventory or Asset Management:**

AppSheet can interface with SAP inventory data. Imagine a warehouse staff using a custom AppSheet app to do cycle counts: they scan barcodes and the app shows the expected quantity from SAP and allows adjustment entries. Through the connector, those adjustments post to SAP in real-time or via a queued batch. All the while, the data might also be logged in a Google Sheet for audit trail or further analysis. The **offline capabilities** of AppSheet (apps can work even with intermittent connectivity) are a bonus for on-site scenarios like warehouses or field operations.

These use cases highlight workflow automation: instead of relying solely on SAP's native (often complex) UI or waiting to input data later, AppSheet provides agile front-ends that simplify user interaction with SAP. It's particularly powerful for extending SAP processes to more users in the organization in a controlled way, without each needing an SAP license or training – the AppSheet app can abstract complexity.

Google Workspace adds value by handling notifications and allowing integration with Google Chat or Gmail for approvals and updates. Essentially, SAP becomes the engine, and AppSheet/Workspace provide the user-friendly steering and interface.

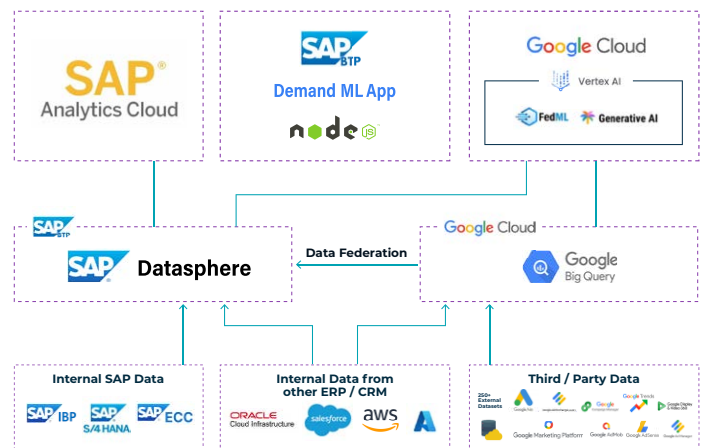
USE CASE 2: ENHANCED DATA MANAGEMENT AND ANALYTICS WITH GCP FOR SAP

Running SAP on Google Cloud allows customers to easily tap into Google's data and analytics services, which can greatly enhance how SAP data is used:

- Data Lakes and BigQuery Analytics:**
Enterprises can export or replicate SAP data (e.g. using SAP LT Replication Server or SAP Data Services) into BigQuery on Google Cloud. BigQuery is a serverless data warehouse that can handle massive datasets with ANSI SQL queries. Once SAP data (such as sales orders, shipments, finance records) is in BigQuery, business analysts can use Connected Sheets (Google Sheets integration with BigQuery) to run live reports on millions of rows of SAP data, create dashboards, and share insights via Google Sheets – all while the data stays in a governed, secure environment. This complements SAP's own analytics; for example, instead of building a custom SAP BW report, an analyst could use familiar Google tools to explore data. Google Cloud's AI/ML services can also be applied – e.g., training a demand forecasting model on historical SAP data using Vertex AI – to provide predictive insights that feed back into SAP planning.
- SAP Archiving and Tiered Storage:**
SAP databases grow rapidly. GCP's storage solutions can be used to offload historical data. For instance, old transaction records could be extracted from SAP and stored in Google Cloud Storage or BigQuery for long-term retention, reducing the size and cost of the main SAP HANA database. Users can still access the archived data via BigQuery or even via AppSheet apps that query the archive for on-demand lookup.
- Augmenting SAP with External Data:**
By bringing SAP data into Google Cloud, it becomes easier to mash up with other sources. A use case could be combining SAP's supply chain data with real-time weather or traffic information (available via Google APIs) to anticipate delivery delays. Another example: blending SAP sales data with Google Analytics web traffic data to find correlations between site activity and sales orders. GCP provides the data integration and processing power for these scenarios.

rios. SAP customers can thus derive richer insights beyond what's available in their ERP alone.

- Leveraging Real-Time Data for Inference and Training with Google Vertex AI:**
Typically, machine learning or AI services from hyperscalers require storing data within their platforms. This is where the SAP FedML Library excels. It enables direct access to data in [SAP Datasphere](#) – whether virtual or physical – and seamlessly integrates with Jupyter Notebooks for ML model training or inference using Google Vertex AI.



- Backup and Disaster Recovery:**
GCP can serve as a DR site for SAP. Using synchronous replication (if within region) or asynchronous across regions, SAP HANA can be replicated to a standby on GCP. In case the primary data center fails, the SAP instance in GCP can take over. This use of cloud as a DR location can be more cost-effective and quicker to stand up than a secondary physical data center.

In all these cases, Google Cloud essentially empowers SAP customers to do more with their data in a modern cloud ecosystem. AppSheet can even be layered on top of BigQuery or Cloud SQL data (which might contain SAP info) to provide applications for end-users to interact with that data. For example, a sales manager could have an AppSheet dashboard app that pulls aggregated sales from BigQuery (fed by SAP) and allows drill-down, all accessible on their phone. This is a lightweight alternative or complement to traditional SAP reporting tools.

USE CASE 3: GOOGLE WORKSPACE FOR COLLABORATION IN SAP PROCESSES

One of the headline benefits of the SAP and Google partnership is using Google Workspace apps (like Docs, Sheets, Slides) in tandem with SAP processes to improve productivity and teamwork:

- **Data Lakes and BigQuery Analytics:**

Enterprises can export or replicate SAP data (e.g. using SAP LT Replication Server or SAP Data Services) into BigQuery on Google Cloud. BigQuery is a serverless data warehouse that can handle massive datasets with ANSI SQL queries. Once SAP data (such as sales orders, shipments, finance records) is in BigQuery, business analysts can use Connected Sheets (Google Sheets integration with BigQuery) to run live reports on millions of rows of SAP data, create dashboards, and share insights via Google Sheets – all while the data stays in a governed, secure environment. This complements SAP's own analytics; for example, instead of building a custom SAP BW report, an analyst could use familiar Google tools to explore data. Google Cloud's AI/ML services can also be applied – e.g., training a demand forecasting model on historical SAP data using Vertex AI – to provide predictive insights that feed back into SAP planning.

- **Document Management and Approvals:**

In SAP sales or procurement processes, there are often documents (specs, contracts, invoices) that need to accompany transactions. Google Drive can serve as the content repository for these files. Users can attach Google Docs/Sheets to SAP transactions via the integration. For example, a salesperson could generate a Google Docs quote from an SAP template and collaboratively refine it with their manager, then link it to an SAP opportunity record. Using Google Workspace also means SAP users benefit from powerful search (Google Drive search) to find documents related to SAP records, and they can trust in access controls managed via Google. Workflows like contract approvals can be handled with comments and suggestions in Google Docs, rather than emailing Word documents back and forth. Once finalized, the doc's link or PDF can be stored in SAP. This speeds up the document-centric processes significantly.

- **Team Collaboration via Chat/Meet:**

While not a direct integration, it's worth noting that when SAP is used in a Google Workspace-enabled company, users naturally have Chat and Meet for quick communication. If an issue arises in SAP (e.g. an exception in a delivery), the user can quickly start a Google Meet or Chat with the relevant team, perhaps even screen-sharing the SAP interface. This cultural shift to an open collaboration platform (Google Workspace) enhances how teams resolve issues compared to siloed legacy communication. Google Chat bots can also be set up to notify teams of certain SAP events (using AppSheet Automation or Google Apps Script). For instance, a Chat message to the support channel when a critical SAP job fails.

In essence, Google Workspace brings the **human collaboration element** to SAP's data and processes. Instead of extracting data to Excel and emailing it (where it becomes stale and out-of-sync), users stay in a live environment with Google's tools.

BUSINESS BENEFITS FOR SAP CUSTOMERS ADOPTING GOOGLE WORKSPACE

Transitioning an SAP-centric environment to Google Workspace and running on GCP is more than a technical shift – it drives clear business value. Here are the key advantages decision-makers should consider



1. IMPROVED COLLABORATION AND PRODUCTIVITY

Integrating SAP with Google Workspace enables real-time collaboration on SAP data via Google Docs/Sheets. This eliminates email back-and-forth, speeds up decisions, and boosts system adoption through familiar interfaces.



2. WORKFLOW AUTOMATION AND INNOVATION CITIZEN DEVELOPMENT

AppSheet empowers non-technical users to build apps and automate workflows. This accelerates the creation of applications like approval processes and quality checks, securely utilizing SAP data. [More about citizen development](#)



3. COST REDUCTION AND EFFICIENCY

Migrating to GCP and Workspace cuts infrastructure costs with on-demand resources, reduces operational overhead, and minimizes development costs via no-code tools and process automation.



4. SCALABILITY AND PERFORMANCE

GCP provides near-unlimited scalability for SAP systems, ideal for growth and seasonal spikes. Google's global network ensures low latency worldwide and speeds up SAP module rollouts.



5. BETTER DATA UTILIZATION AND INNOVATION

Integration enables advanced data analytics with BigQuery and Looker Studio. AI applications on SAP data, like payment delay predictions, drive innovative solutions



6. ENHANCED USER EXPERIENCE AND EMPLOYEE SATISFACTION

Modern tools like Google Workspace simplify SAP interactions. [Kärcher](#) increased collaboration and productivity by migrating to Google Workspace and SAP S/4HANA.



7. SECURITY AND RELIABILITY

Cloud and Workspace offer robust security standards like data encryption and threat protection. GCP infrastructure with automated backups ensures minimal downtime.

In summary, **SAP customers embracing Google Workspace and GCP can expect a more agile, collaborative, and innovative environment, while also trimming costs and boosting performance.** The transition is a step toward becoming an “intelligent enterprise,” where all tools and data work together seamlessly to support business goals. Companies like Camanchaca have leveraged Workspace and AppSheet to add value to logistics and saw infrastructure improvements without downtime when migrating SAP to Google Cloud, underscoring that these benefits are tangible. The next section will discuss how Zoi can help realize these benefits.

ZOI: EXPERT PARTNER FOR SAP-GOOGLE WORKSPACE TRANSITIONS

Making the leap to integrate SAP with Google Cloud and Google Workspace is a significant project that spans technology and change management. This is where Zoi comes in as a critical partner. Zoi is uniquely positioned with expertise in both the SAP domain and Google Cloud technologies, making it an ideal guide for customers on this journey.

BRIDGING SAP AND GOOGLE CLOUD

Zoi specializes in integrating SAP with Google Cloud and Google Workspace, ensuring seamless technology and change management. As both an SAP partner and a Google Cloud Premier Partner, Zoi provides expert guidance throughout the transition.

DEEP SAP AND CLOUD EXPERTISE

Zoi has successfully migrated SAP landscapes to public cloud platforms, including implementing SAP S/4HANA migrations for clients like Kärcher. With expertise spanning core SAP backend systems and Google Workspace collaboration tools, Zoi understands the technical challenges and best practices at every stage.

GOOGLE CLOUD PREMIER PARTNER

Zoi leverages its Google Cloud Premier Partner status to optimize GCP for SAP workloads, ensuring high availability, right-sized instances, and secure integrations. Their in-house use of Google Workspace strengthens their ability to advise and implement practical solutions.

ENTERPRISE INTEGRATION SOLUTIONS

Zoi excels in cloud-native enterprise integration, enabling smooth data flow between SAP and Google Workspace. Whether through API gateways, middleware, or AppSheet integrations, Zoi ensures secure and efficient system connectivity.

CHANGE MANAGEMENT AND TRAINING

Beyond technical implementation, Zoi drives user adoption through tailored training, pilot programs, and ongoing support, ensuring smooth transitions to Google Workspace and AppSheet.

PROVEN TRACK RECORD

Zoi's successful projects, such as Kärcher's SAP and Google Workspace migration, demonstrate their ability to deliver tangible business improvements. With industry-wide experience, Zoi provides reliable expertise in [SAP-Google integrations](#).

SECURITY AND COMPLIANCE

Zoi ensures enterprise-grade security, aligning SAP authorization models with Google Workspace safeguards. Compliance with GDPR and industry regulations is embedded in their solutions.

ACCELERATORS AND CUSTOM SOLUTIONS

With proven accelerators such as AppSheet templates and automation scripts, Zoi reduces project time and risk while enhancing operational efficiency.

CONCLUSION

Zoi de-risks SAP-Google Workspace transitions, handling both backend complexity and user adoption to ensure maximum efficiency and innovation. With Zoi as your partner, your business gains a smooth, secure, and future-ready digital backbone.

CONCLUSION AND NEXT STEPS

The convergence of SAP's robust enterprise software with Google Cloud's scalable platform and Google Workspace's collaborative tools represents a powerful opportunity for organizations. In this whitepaper, we explored how integrating these ecosystems – with AppSheet serving as a no-code bridge – can transform the way businesses operate. Let's recap the key takeaways:

SEAMLESS INTEGRATION IS NOW A REALITY:

Thanks to the deepening partnership between SAP and Google, native integrations (like editing SAP data in Google Sheets/Docs) are available or on the horizon. No longer are SAP systems isolated; they can be woven into the fabric of everyday productivity tools. This creates a more unified digital workspace for employees.

TECHNICAL FEASIBILITY AND ARCHITECTURE:

Running SAP on GCP is not only feasible but often beneficial, providing reliability and flexibility. We discussed how SAP can be deployed on Google's infrastructure and how connectors and APIs enable the flow of data between SAP and Google services (Workspace, AppSheet, BigQuery, etc.). With proper architecture – secure connectors, identity management (SSO), and possibly SAP Business Technology Platform components – the integration can be achieved in a maintainable way. Key technologies like SAP's Document Management Service and Google's AppSheet connectors play a central role in enabling these scenarios.

REAL-WORLD USE CASES DEMONSTRATE VALUE:

From automating workflows (e.g., approvals, field service reporting) to enhancing analytics and fostering real-time collaboration, SAP customers can tackle long-standing pain points by leveraging AppSheet and Google Workspace. These use cases aren't just hypothetical – companies have started to do this, seeing faster processes and more engaged employees. Whether it's a sales team collaborating on a Google Sheet extracted from SAP or an operations manager building a quick AppSheet app to track deliveries, these stories show tangible improvements in efficiency and agility.



CONCLUSION AND NEXT STEPS

The convergence of SAP's robust enterprise software with Google Cloud's scalable platform and Google Workspace's collaborative tools represents a powerful opportunity for organizations. In this whitepaper, we explored how integrating these ecosystems – with AppSheet serving as a no-code bridge – can transform the way businesses operate. Let's recap the key takeaways:

BUSINESS BENEFITS ARE COMPELLING:

For decision-makers, the move promises ROI in multiple dimensions: cost savings (optimized infrastructure and reduced manual work), increased productivity (teams working smarter together), innovation (empowering staff to build solutions and unlocking advanced analytics), and future-proofing the business (scaling easily, using AI, improving user experience). It's a strategy to become a more data-driven, agile enterprise without abandoning the investments in SAP, but rather extending and enhancing them. As highlighted, integrations provide clean data continuity (single source of truth) while giving users modern tools – a best of both worlds scenario.

ZOI AS A TRUSTED GUIDE:

Achieving this vision is a journey, and having the right partner is crucial. Zoi brings the know-how to align SAP, GCP, and AppSheet in a way that aligns with each client's unique environment. They not only handle technical migration but also ensure the organization embraces the new way of working. Engaging Zoi can accelerate the transition, avoid pitfalls, and tailor solutions to your business needs, ultimately de-risking the project and maximizing benefits.

NEXT STEPS

For organizations considering this transition, here are some recommended next steps:

- **Assessment and Strategy:**
Evaluate your current SAP landscape and usage of collaboration tools. Identify key processes that involve heavy manual work, spreadsheets, or email exchanges. These are prime candidates for enhancement with AppSheet or Google Workspace integration. Also, assess infrastructure needs – what would moving SAP to GCP entail in terms of sizing and cost? Zoi often assists clients in this assessment phase, performing readiness checks and ROI analysis.
- **Pilot Project:**
Choose a focused pilot to demonstrate the integration's value. For example, pick one use case – like export of SAP data to Google Sheets for collaborative planning – and implement it in a controlled environment. Alternatively, pilot migrating a non-production SAP system to GCP to test performance, or build a small AppSheet app that reads/writes some SAP data (perhaps using a test API or dataset). A pilot can provide learnings and build confidence, which is important for buy-in at all levels of the company.
- **Roadmap and Phased Implementation:**
Develop a roadmap that phases the rollout. A possible sequence might be: migrate SAP development/test systems to GCP, then production; introduce Google Workspace to users (if not already in use) with proper training; then enable SAP<->Workspace integrations for specific departments (e.g., finance first); and simultaneously identify a few AppSheet applications to develop that provide quick wins. A phased approach ensures stability and allows the organization to absorb changes gradually.
- **Inventory or Asset Management:**
Change Management Plan: Don't underestimate the human side. Engage champions from business units who are excited about Workspace or AppSheet to help evangelize. Provide training sessions, documentation, and support. For instance, when enabling the SAP to Google Sheets integration, ensure finance analysts are trained on how to use it and how data governance works. With Zoi's help, create a support structure for new app development (maybe an internal "AppSheet Center of Excellence").
- **Governance and Security Setup:**
Work with IT security to set up appropriate controls in Google Cloud and Workspace. This includes identity federation (so accounts map between SAP and Google), setting up Cloud Identity or Google Cloud Directory Sync if needed, configuring who can create AppSheet apps (and review process for them), and data sharing policies. Early involvement of the security team will smooth out approval processes and avoid roadblocks later.

OUTLOOK

By following these steps, an SAP customer can methodically move toward a modern, integrated cloud workspace.

The end state is an environment where employees use SAP as a backbone but hardly notice the boundaries between SAP and Google – data flows where it's needed, people collaborate naturally, and new ideas can be turned into apps or automations in days.

FINAL THOUGHT

In an era where digital transformation is imperative, the combination of SAP, GCP, and AppSheet (with Google Workspace) offers a compelling path forward.

It leverages the strengths of each platform: SAP's deep business logic and data, Google Cloud's technology and scale, and Workspace's user-centric design.

Companies that adopt this integration can expect not just incremental improvements, but a step-change in how IT supports the business – moving from being a system of record keeper to an enabler of innovation and collaboration.

With partners like Zoi to guide the way, the transition can be smooth and the results striking. The time is ripe to unlock the full potential of your SAP investments by infusing them with cloud power and a collaborative ethos. The journey to a more connected, efficient enterprise starts now.

ABOUT ZOI

Zoi combines operational technology and information technology to create advanced, customized IoT edge device solutions for consumer products and manufacturing. By directly integrating connectivity stacks into edge device firmware, we open up connectivity possibilities with state-of-the-art cloud infrastructure.

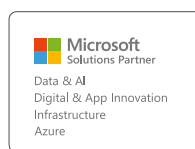
As a certified partner of the leading cloud providers AWS, Azure, and Google Cloud, we offer comprehensive cloud services with a focus on predictive maintenance, condition monitoring, big data, and AI. The integration of cloud services into edge devices enables efficient solutions that are perfectly tailored to the individual requirements of our clients.

Our services also cover the development of user-friendly front ends, including intuitive dashboards and smartphone apps.

With Zoi, you choose a partner who combines technology, creativity, and practical know-how to turn your visions into reality.



- Migration and Modernization Services Competency
- IoT Services Competency
- SAP Services Competency
- DevOps Services Competency
- Retail Services Competency



contact

WHAT'S YOUR NEXT DIGITAL TECH STEP TO SUCCESS? LET'S FIGURE IT OUT.

I am just an e-mail away and will gladly be there for you.



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ESSENTIAL SOURCES FOR WHITEPAPER

Google Cloud

[Reference architecture: SAP S/4HANA on Google Cloud](#)

[Data integration guides for SAP on Google Cloud](#)

[Overview of SAP on Google Cloud](#)

[Replicating data from SAP Applications to BigQuery](#)

SAP Community

[First steps with Google Cloud Cortex Framework](#)

[How to use Google Sheets APIs in ABAP](#)

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