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MIGRATING FROM SAP BO TO POWER BI: CHALLENGES AND SOLUTIONS FOR BUSINESS INTELLIGENCE

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ABSTRACT

The migration from SAP Business Objects (SAP BO) to Microsoft Power BI presents both challenges and opportunities for organizations aiming to enhance their business intelligence (BI) capabilities. SAP BO, while offering robust reporting tools, often falls short in terms of modern data visualization and real-time analytics. On the other hand, Power BI is recognized for its intuitive dashboards, self-service analytics, and seamless integration with cloud environments. This transition is not without complexities. Key challenges include data migration issues, compatibility between legacy systems and the new BI platform, user adoption, and reconfiguration of reports and dashboards. Security management also becomes a crucial consideration, as companies need to ensure that data access policies are maintained during the transition.

This paper explores the strategies that businesses can adopt to address these challenges, such as phased migration, pilot testing, and ensuring alignment between the existing data architecture and Power BI's capabilities. Solutions like automated ETL (Extract, Transform, Load) pipelines, establishing governance frameworks, and providing targeted training for end-users are highlighted. Additionally, the paper discusses how organizations can leverage Power BI's advanced features—such as AI-powered insights and real-time data connectivity—to maximize the return on investment (ROI) from the migration. Through a well-planned approach, the transition from SAP BO to Power BI can empower businesses to make data-driven decisions, improve operational efficiency, and gain a competitive edge in a rapidly evolving market landscape. The research emphasizes that careful planning, stakeholder involvement, and continuous monitoring are essential to ensure a smooth and successful migration.

KEYWORDS: SAP Business objects Migration, Power BI Transition, Business Intelligence, Data Visualization, ETL Pipelines, Real-Time Analytics, User Adoption, Data Governance, Report Reconfiguration, Cloud Integration, ROI Optimization, Operational Efficiency