



Migration Guide

SAP BO to Power BI

Step towards a Stronger Data Foundation with
our effective **6 step migration process!**



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01

Are you still relying on outdated business intelligence systems like **SAP BO** to make critical business decisions? If so, it's high time you switch to **Microsoft Power BI**, an intuitive data visualization platform that turns your unrelated sources of data into coherent, visually impressive, and interactive insights!

Do you know? Enterprises today are striving to achieve a data-driven culture that promotes 'business intelligence for all'. If you want to enforce this strategy across your workforce you need to provide your employees with the right data, at the right time and in a form that makes sense for them!

SAP BO was once a dominant player when it came to business intelligence. But now these systems are slowly becoming difficult to use and the support for this system is fading out! That's why business intelligence virtuosos are now making the move to Microsoft Power BI!



A traditional approach to data and analytics governance cannot deliver the value, scale, and speed that digital businesses demand - **Gartner**



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Reasons why you should make the move from SAP BO to Power BI!

01 **Huge upfront cost** - Burns a huge hole in your pocket!

SAP Business objects come with a large upfront cost, additional maintenance and licensing expenses. Thus, sticking to this platform demands a huge share of your organizational budget. Whereas end users can leverage the benefits of Power BI as a part of their O365 subscription.

02 **Not a self-service platform** - Makes you dependent on your IT team!

With SAP BO, you need to be constantly reliant on IT teams even for simple analysis and customization. On the contrary, Microsoft Power BI is a self-service platform. It empowers your users to explore and customize data without the help of your IT engineers.

03 **Legacy On-Prem** - You will not be able to access your data on the go!

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*If you are sticking to SAP BO, just to free yourself from the efforts of upgrading, you will be missing out on the opportunity to make crucial **business decisions with confidence!***

With years of experience in modernizing data visualization platforms, we have established a proven migration strategy that helps businesses harness the full power of the Power BI platform.



SAP BO to Power BI Migration Roadmap



01 Discover & Access



Data visualization platform modernization is an opportunity for your enterprise to review the usage and the requirements of analytics output.

In the discovery phase, we evaluate the reports in SAP BO and determine the number of active reports. Here we discover the priority level of your reports based on the content, usage, and the business impact it carries.

For instance,

- The reports that are used by your decision makers.
- Reports that are leveraged 24/7 by users across your enterprise.
- And the crucial reports that will be streamed in real-time.

This allows us to strategize the design and development phases of migration while focusing on the most valuable outputs in the earlier stages of the development. We also discuss with your stakeholders to figure out whether you want to **rehost or refactor your reports**.

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Rehosting – Here we migrate your reports from SAP BO to Power BI, without making any changes to the form. We recommend this model for enterprises that aspire to achieve a quick transition from SAP BO to Power BI just to avail of its cloud benefits.

Refactoring – Refactoring is for enterprises that want to transform their ordinary SAP BO reports into intuitive Power BI reports.

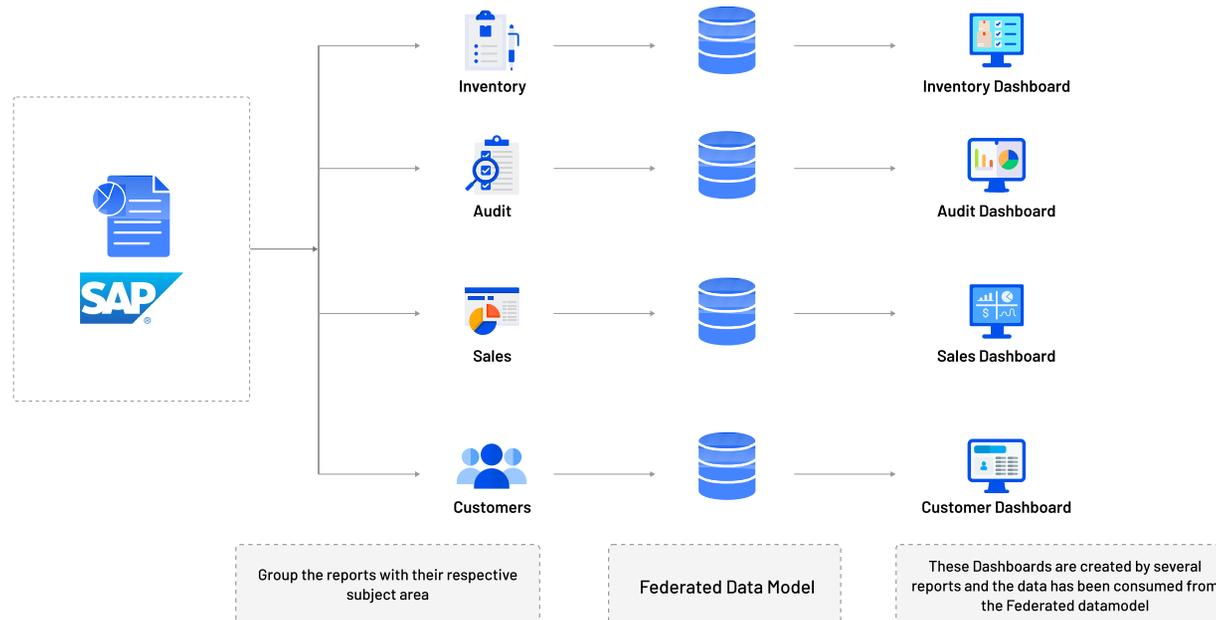
Analyze



Clear-cut analysis is the gateway to your successful transition!

Enterprises have their own unique requirements while switching to a new data visualization platform. In the analysis phase, our team steps in and gathers a clear understanding of your business requirements, the factors you want to retain, and the enhancements you are looking forward to accomplishing in Power BI. We decide on the kind of data model that you will embrace in your Power BI platform. Based on that we either go for a subject area data model or a federated data model. We then analyze all your reports and group them based on the subject areas.





Next, we determine the reports that will be retained in tabular format and the reports that need to be changed into a graphical format.

- If you want your reports to be changed to graphical format, our **UX designers** will step in and propose a design that best suits your branding.
- Next, we share the wireframe of the proposed design with your business intelligence team and get it evaluated by them.

Moving forward, we analyze the required tables and columns and break down the logic behind your reports and data models. Our data experts will then figure out all the page level and report level filters in SAP BO. We also determine the functionality of your hidden filters and crack the logic behind your user-defined variables.

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Design



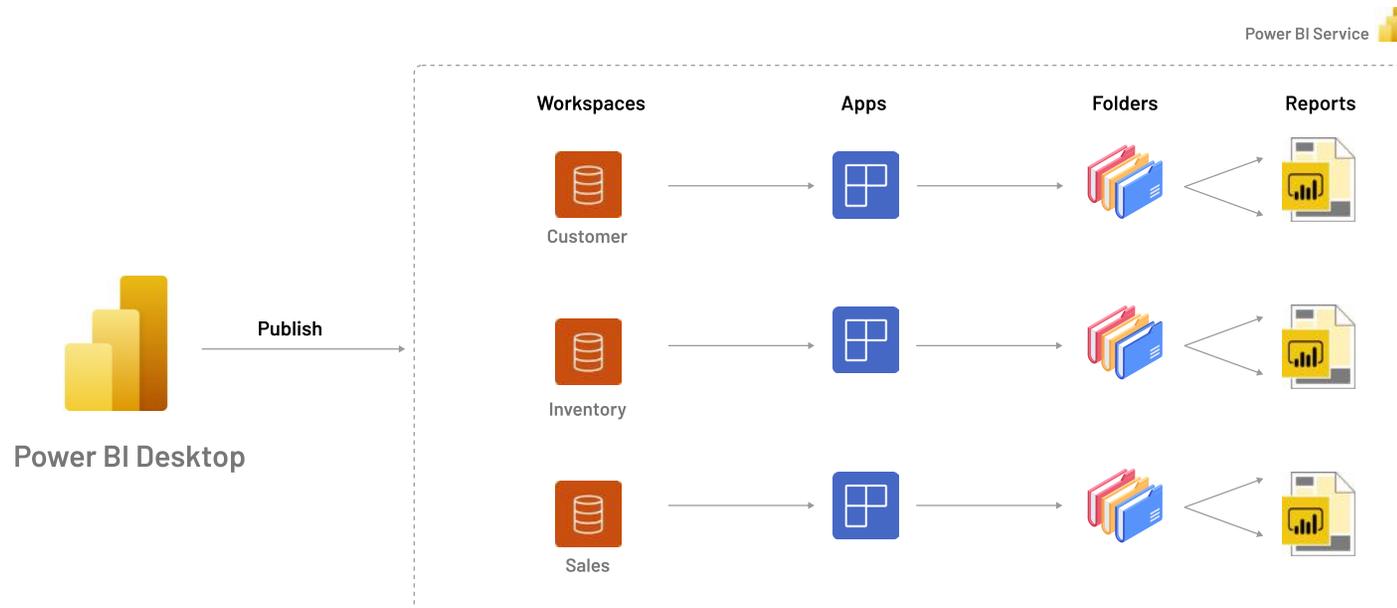
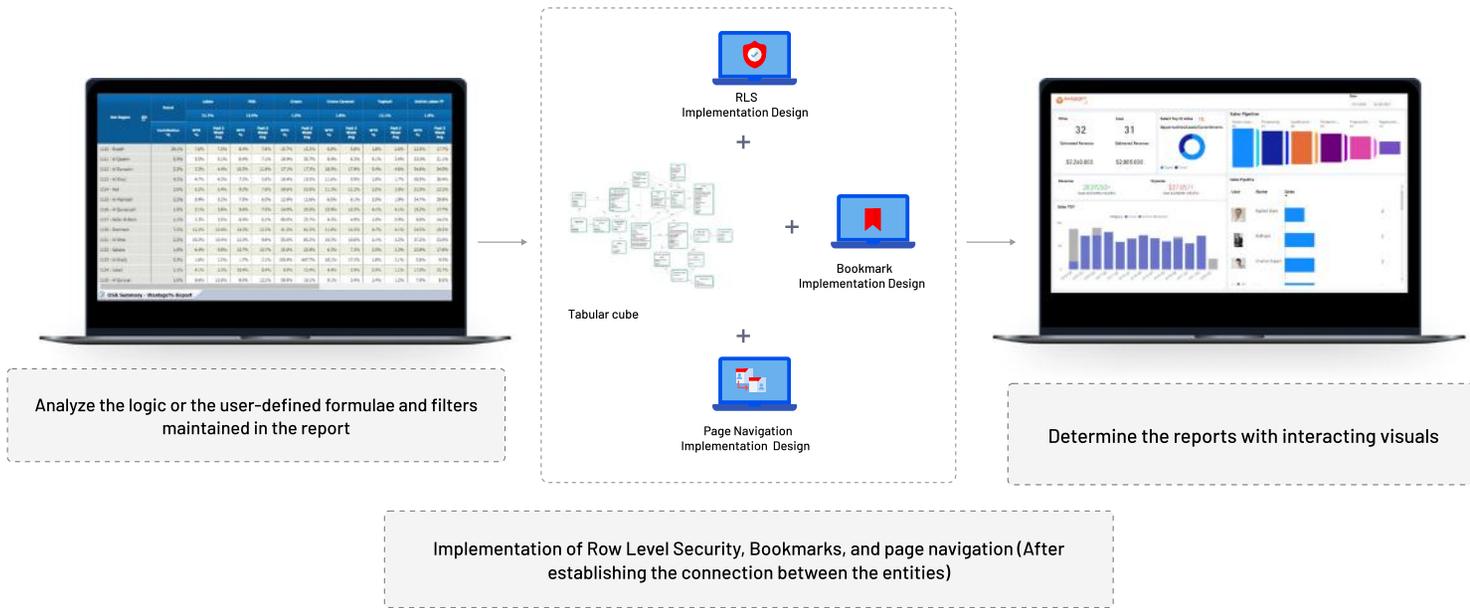
Get a glimpse into the future by **ideating** your entire Power BI architecture!

In the design phase, we identify and visualize what your entire Power BI architecture should look like. To spearhead this phase, we determine the logic of the columns in each table and establish the relation between your entities (tables and columns) through an ER diagram. We brainstorm with your BI team and determine how your reports will be visualized in Power BI and decide on the filters that will be used in the reports and specific pages. We identify the reports with interacting visuals like drill down and drill through

- All your reports on Power BI must be published in the appropriate workspace. Based on your report categories, we estimate the number of workspaces that will be created.
- We further decide on the number of apps that will be created in the workspace and the folders within the apps. (The folders will be created based on your specific business requirements.)

Thus, in the design phase, we set up the entire design architecture, how your report data will be navigated, and the ways in which it will interact with the users who consume it.





Reports published from Power BI to respective workspace based on the subject area. Apps are created for each workspace, and folders are created based on the business requirement. (Reports segregated into the folders)

Migrate



Implement the approved solution architecture at ease!

After the clear-cut discovery analysis and design, we proceed with the migration phase. Depending upon your BI team's requirements, we import your tables either in a direct query or as an import query.

- If you want your reports to perform at their best, we go for an **import query**.
- And if you want the reports to be always live, we import your tables as a **direct query**.

As planned in the design, we establish connections between your tables and develop your data visualization architecture in Power BI. Moving ahead, we change the pseudo codes in SAP BO as measures in Power BI. All the visual interactions like drill down, drill through, and page navigations will be configured in Power BI.



Design Implementations

- Here we import the custom visual background curated by our UX designers.
- The layouts designed as wireframes will be implemented and the base visuals, charts, and grids will be created on top of that.



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- Then we progress and format the visuals (color formatting, axis properties).
- To retain the unique branding across the Power BI platform, we do this based on your style guide.
- We also check on and verify the visual alignments like position and size.

**Security implementations**

- To top it all, we set up Row-level security (RLS) in Power BI to restrict data access for given users.
- Here we define the filters within the role to ensure that the reports in your Microsoft data visualization platform are viewed by the right person.

This is how we successfully get you transitioned from **SAP BO to Power BI**.

05 Deploy

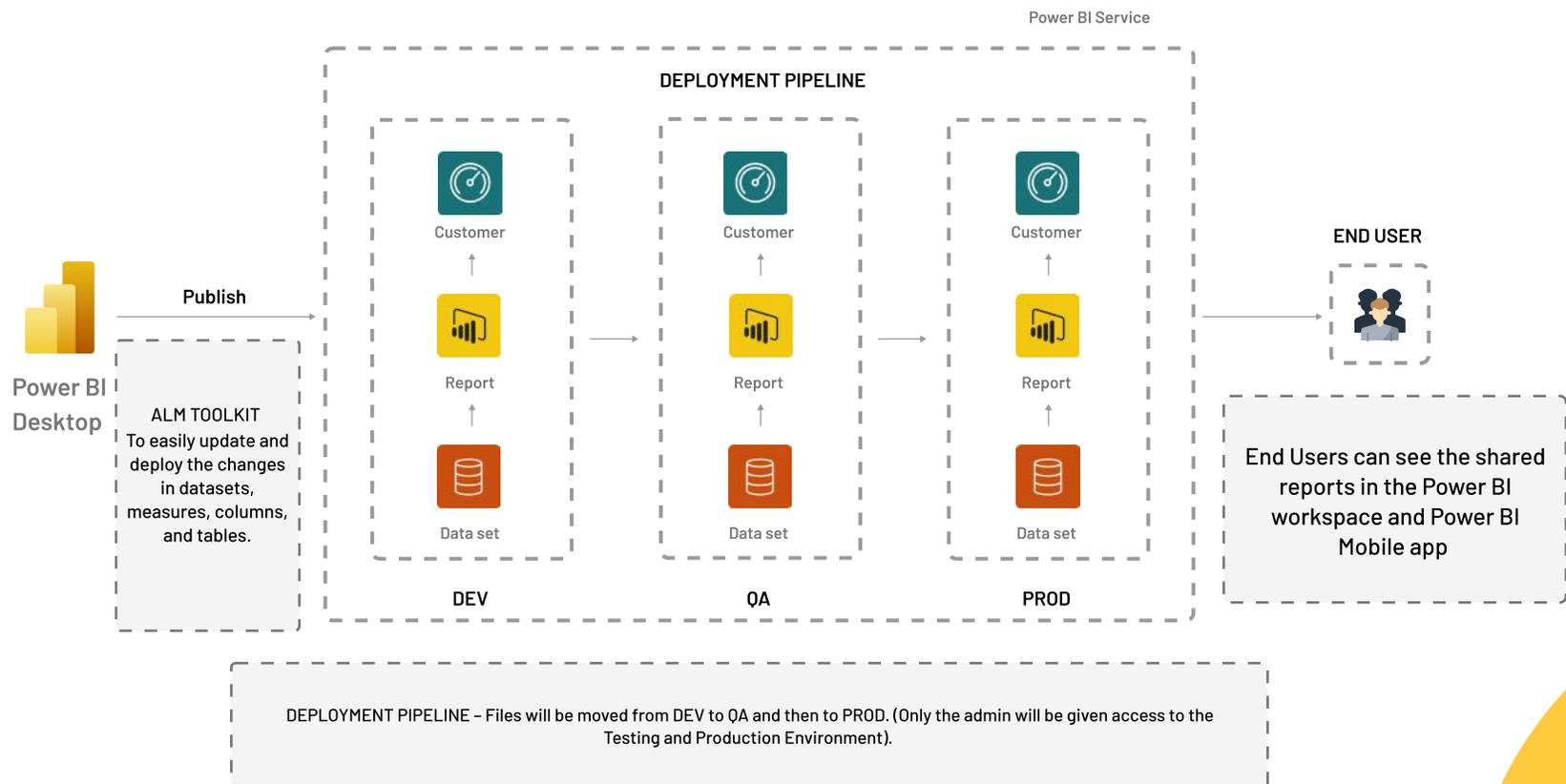


Deploy your reports on the go with our agile methodology!

To achieve a streamlined deployment, we have three workspaces created for Development, Quality Assurance, and Production. Instead of directly publishing your reports in production, we leverage deployment pipelines and move them in three stages. Firsthand your reports will be published in the development environment. Once they are verified, the reports will then be moved to quality assurance testing. After quality assurance testing, the reports will finally be published in the

production workspace. As we are moving your reports through deployment pipelines, you can easily manage or track the changes in the report in a centralized manner.

*If there are any changes in datasets, measures, or tables, instead of once again migrating your entire reports from scratch, we leverage ALM toolkit and deploy the specific changes. Now, this cuts down on the additional time and simplifies your **deployment efforts!***



Validate



Ensure user-friendliness and performance of your reports with our thorough validation process!

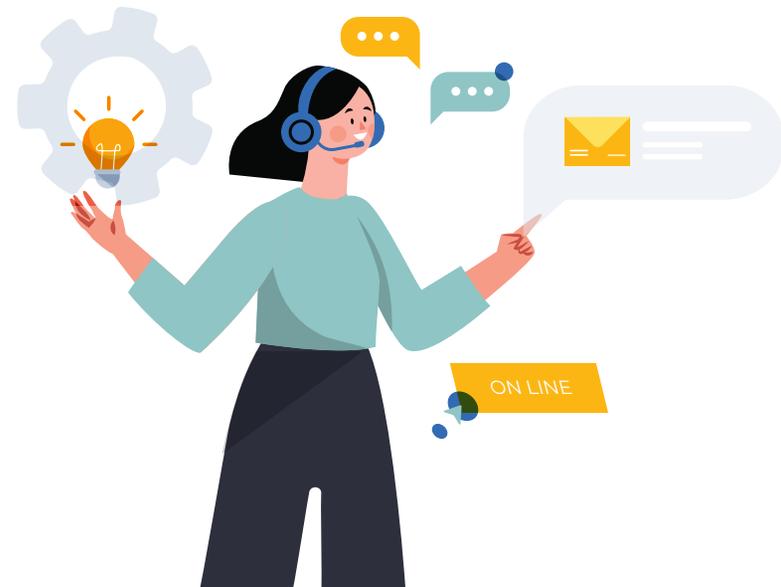
In the validation phase, we verify and validate the data staging, ETL processes, and BI reports with multiple test cases. This well-defined validation will ensure that the report designs are the same as the wireframes and the proposed design strategy. We check the visual interaction and confirm that the clickable details are navigated to the appropriate page. All the prepared measures against the data source will be validated and we will move forward with the user acceptance testing.

Support



Post-production support

Once your reports are deployed in Power BI, we ensure that you are backed with all the required support.



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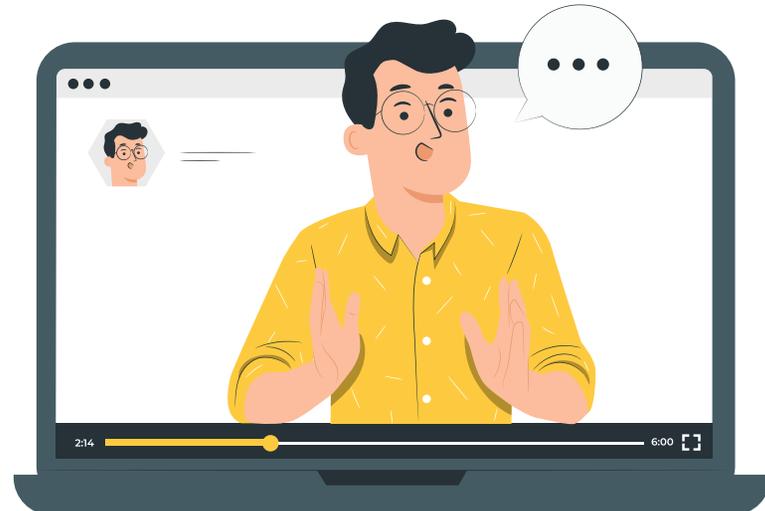
User walkthrough documents

Power BI is a self-service BI. But still, to make you more confident with the platform, we deliver a user walkthrough document. Our elaborate user documentation will assist you in leveraging the nooks and crannies of Power BI with ease.



Report demo for business users

Our team will create instructional videos to facilitate user adoption and to help you get acquainted with all the customizations, visual interactions, filters, and customizations in Power BI.



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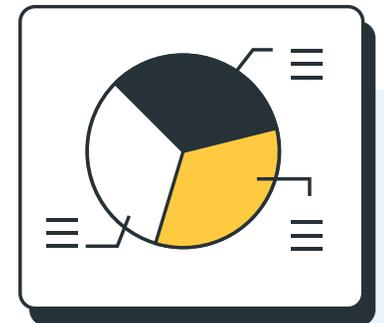
 **Recommend future enhancements**

We do not stop with development and support!

We also go beyond and recommend future enhancements in your Power BI platform based on your thriving business needs!

 **Discover solutions**

If you face any issues, our data engineers will dive in and resolve the issues with the best fit solution.



Benefits of Migrating to Power BI



Quicker Insights

- Reduced intermission between data sources and reports.
- Increased Scalability



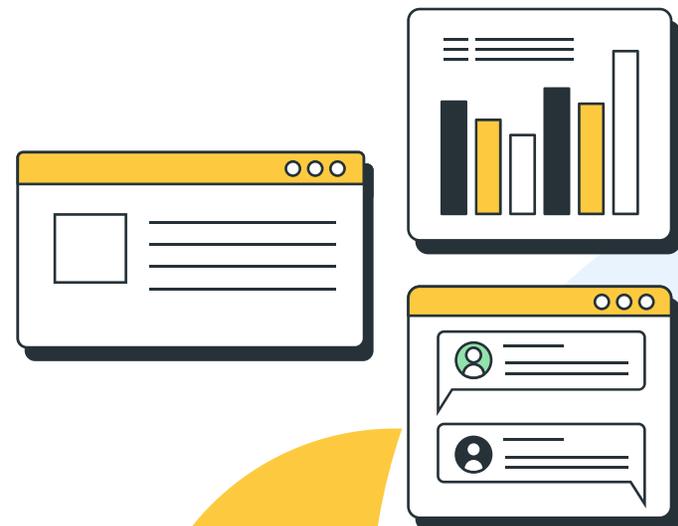
Self-Service BI

- Easy-to-use BI tools and improved support for data analysis.
- Easy creation of reports and dashboard customization without developer expertise.



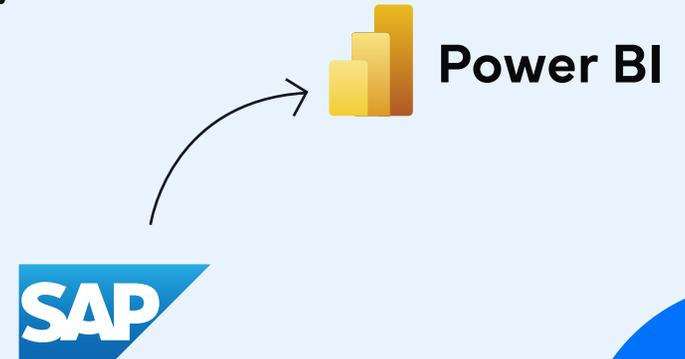
Centralized Reporting

- Unified administration capabilities to easily manage and govern organization's reports.
- Synergy with Office 365, Dynamics 365, Salesforce, Snowflake, and hundreds of other relational databases.
- Increased accuracy by offering a single source of truth for all reporting layers through shared datasets.



Ready to move from **SAP BO** to **MS Power BI**?

Ready to move from SAP BO to MS Power BI? Being a **Microsoft 365 Certified Gold Partner**, we have unmatched experience across all Microsoft 365 platforms! Our **data engineers** can help you make critical business decisions in a snap by leveraging the true potential of Power BI.



[Talk to us today](#) and bridge the gap between your data and decision-making!

To know more contact sales@avasoft.com | +1 732 737 9188

