Solliance BI Services

At Solliance, we help companies operate more efficiently by creating scalable enterprise business intelligence (BI) infrastructure and visually appealing reports that scale with your performance needs. Our analysts, engineers, and data scientists will explore your business domain and organization's data to help reveal hidden insights and trends. We are focused on supporting a successful data culture.

Building a capable data culture and platform occurs in phases. We can create a customized BI maturity roadmap, allowing your organization to evolve at the optimum speed. As your expert BI partner, we make it possible for your analysts and users to answer priority business questions and take action based on derived data insights quickly.

Migrate to a modern BI platform

Solliance will partner with your organization to implement your end-to-end BI solution. Whether your data lives in Excel spreadsheets, a SaaS environment, or enterprise cloud database providers, we can customize an architecture and a plan to migrate/integrate your data into a high performance data serving layer.

Great reports require current data and need to be enhanced to answer current and new business questions. Your business environment keeps changing, and so will your reporting needs. Users need to focus on important facts quickly and explore the data to answer new business questions and unlock hidden insights. That task can be challenging if your BI tools lack modern features or if your organization utilizes multiple BI tools. Reduce license and support costs. Standardize on a platform that is rated number one its market segment. Solliance can migrate your organization to the powerful Power BI platform.

Figure 1: Magic Quadrant for Analytics and Business Intelligence Platforms

Migrate from Excel to Power BI

Ready to migrate from Excel to Power BI reports? It depends on your needs. How much data are you processing, and what are your report collaboration needs? Excel allows for great dataset definition flexibility, data exploration, and proof of concept (POC) modeling. Once your POC model is complete, consider migrating the data model and visualizations to a scalable BI platform like Power BI.
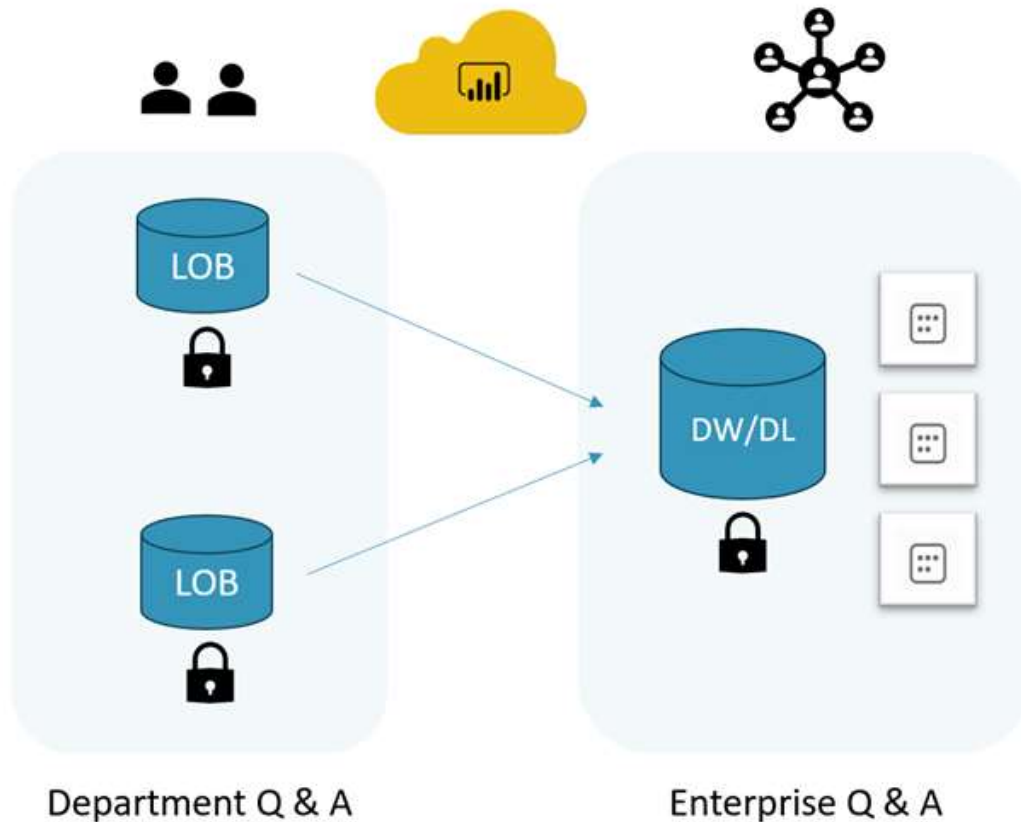
As dataset sizes grow and collaboration needs evolve, Power BI can process your data quickly and share reports securely. Processing larger more complex data is no longer constrained by a user's desktop hardware. Automated data refresh schedules make it easy to configure refresh schedules to match your company's needs. Avoid the manual steps for report distribution and collaboration. Free your resources from repetitive low-value copy-paste tasks.

Solliance will migrate your key spreadsheets and data processing into a central data-serving repository using a modern automated workflow. Your report users will have valid fresh data all the time without executing manual tasks. Power BI's Vertipaq engine provides fast data processing, allowing for high performant visualization rendering.

Centralize your data and calculations into a single source of truth

Important organization data can be located in multiple data source locations. Manually exporting and importing data from the application into the reporting platform can be time consuming and error prone. Power BI and Azure services makes data ingestion, modeling, and rapid report development easier. With over 90 data provider connectors, Solliance can automate data importing from many of the top data serving platforms on an automatic scheduled basis. Bringing the data into a central data repository provides a single source of truth, line-of-business (LOB) vendor

independence, and allows users to ask more complex questions across different data domains. No longer will they be limited to one LOB application data. They can get enterprise answers.

Department Q & A   Enterprise Q & A

Once your team validates key calculations, make them available to the rest of the organization. Let other team members create new reports from a known certified dataset. Create and increase the ability for user self-service BI solutions and reduce the barrier for a thriving organizational data culture.

Build self-service data models

Creating great reports fast depends on an easy-to-understand validated data model. Our team can create clean data models and measures that empower analysts and users to create appealing, accurate reports independently. Solliance believes in the self-service BI experience. We discover, validate, and optimize the data relationships for the best report performance and key data insights.

Report and dashboard development

Solliance's Power BI experts and data scientists specialize in data visualization and report design. Through close collaboration, we will turn your organization goals into reports that focus on key data performance indicators, data influencers, and insights. We listen closely to stakeholder feedback and analyze the data. Reports are refined to match users' expectations. Great reports enable faster, more accurate decision-making based on the most current and relevant data.

Ask an Expert and get the training you need

Solliance wants to make sure our clients can create their own reports and manage their Power BI and Azure environment. We will provide end of project documentation and training materials to make sure you have the necessary materials for continued success. Our assistance does not end there.

We offer on-site and remote Power BI/Azure training opportunities.

Subject areas include:

1. Introduction to Power BI
2. Data modeling for analysts
3. Power Query: Data cleaning and transformation
4. Developing DAX measures
5. Developing and deploying reports
6. Monitoring your Power BI tenant and Azure resources

Customized learning paths are available upon request.

Once trained, your organization can leverage the Power BI and Azure services to the fullest.

Optimize and protect your existing Power BI environment

Are some of your reports slow? Are you spending more money than you need to for cloud services? Viewing reports and performing data analysis can frustrate users when the platform performance is slow. User adoption can suffer due to identifiable environment fixes, report design flaws, and data modeling problems. Determining performance bottlenecks and data governance issues in a complex system can take a long time. Solliance has built tools and leverages Microsoft services to identify performance and governance problems across your entire Power BI tenant. You will be able to spot critical areas of concern and reports that require additional investigation.
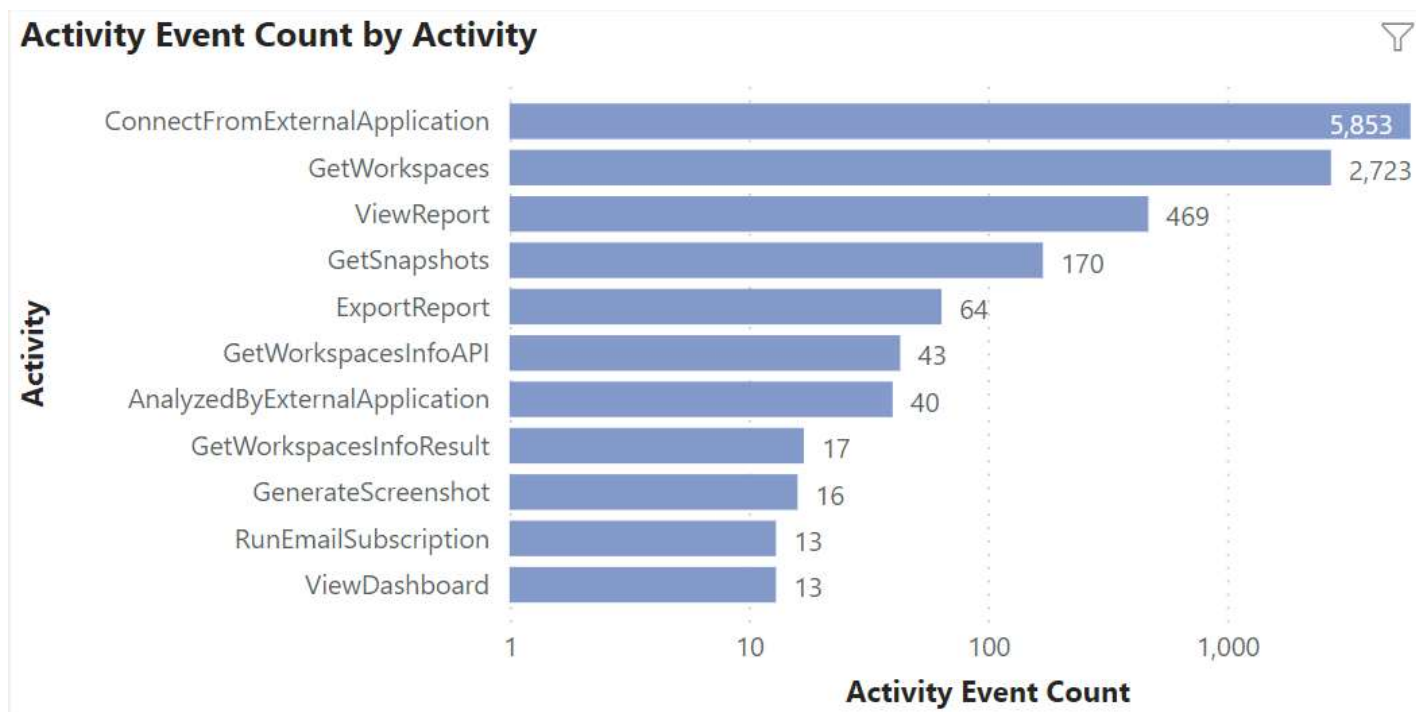
Administrators can easily spot divergent data policy behaviors and address them before they become costly organizational mistakes. Data-driven conversations about Power BI resource usage are now possible with developers and leadership. Administrators can develop usage profiles and performance trend analysis proactively instead of waiting for community complaints and environment outages. IT cloud provider budgets can be more accurate based on a current and projected usage profile.

Assess your Power BI tenant

Step 1 - Develop a Power BI environment artifact and usage profile. Be able to answer questions like:

- How many workspaces, datasets, and reports make up your environment? What type of data are users creating reports from?
- How many users are in your tenant, what types of activities are they performing, and how often?
- What day of the week and time are the users performing those activities?
- What report access and workspace roles are assigned in your environment?
- Which reports are consuming your capacity and driving compute costs?

Activity Event Count by Activity

Activity	Activity Event Count
ConnectFromExternalApplication	5,853
GetWorkspaces	2,723
ViewReport	469
GetSnapshots	170
ExportReport	64
GetWorkspacesInfoAPI	43
AnalyzedByExternalApplication	40
GetWorkspacesInfoResult	17
GenerateScreenshot	16
RunEmailSubscription	13
ViewDashboard	13

Step 2 - Assess your current Power BI tenant for performance and improvement suggestions based on your reporting and data processing usage. Understand where your environment resources are being used and spent. Learn who is consuming resources and driving your cloud service consumption expenses. Additional training and design awareness could save your company thousands of dollars monthly.

Step 3 - Let's work together to develop or refine a plan based on your organization's data analysis requirements and resource budget. Train users and developers on best practices and environment usage guidelines.

Our experts can fine-tune your environment to provide the optimal user experience.

Embed Power BI reports into your applications

Reduce your tool footprint and development/support costs. Once your team learns how to create great Power BI reports, leverage that skill set throughout the organization. Power BI reports can seamlessly be embedded in Office 365 applications like PowerPoint and SharePoint. Allow your colleagues to master the toolset and leverage their work in multiple areas. Get support assistance from the Power BI experts and peer community Power BI Fabric Community support site.

What about embedding reports into my custom web applications? Migrating from custom web application reports to Power BI embedded reports offers a host of compelling advantages. Power BI is a robust and widely recognized business intelligence tool, known for its user-friendly interface, and powerful scalable analytical capabilities. By leveraging Power BI embedded reports, you can provide your users with a more intuitive and visually appealing reporting experience without relying completely on developers. The same reports users and analysts create can be embedded in your web app.

Power BI offers many data visualization options, making it easy to present complex data in an easy and understandable manner. Power BI's integration capabilities allow for seamless embedding within your existing web applications, ensuring a cohesive and unified user experience. Simplify report creation and maintenance by leveraging pre-built templates and interactive visualizations. Additionally, Power BI's continuous monthly updates and support

from Microsoft guarantees your reporting capabilities remain cutting-edge. No longer will you be bound to custom software installations and versions that are updated infrequently.

At Solliance, we can help navigate the environment design, configuration, and licensing to meet capacity and budget needs. We can help guide your developers through the application report integration process that gives your application users a unified secure reporting experience.

Data-driven alerts

What good are great reports and insights if no one views them consistently? What if there was a way to draw target report users' attention proactively when data events pass a threshold? Leverage the same Power BI artifacts for data-driven alerts. Solliance can create data-driven alerts based on critical Power BI measure thresholds. Once a threshold is reached, a notification can be sent out to report users with a link back to the Power BI report. Monitoring these data events increases report usage and the likelihood users will take action on organization key performance indicators.

Data Security

Do you know where your data comes from, how it is evolving, and who is accessing it? Are there restrictions on how it should be shared? Solliance can help you craft a governance and data policy that allows your team the freedom to create business reports while adhering the organization's data security policy. Free up your engineering and operation teams from time-consuming discovery and governance monitoring tasks. Enable data stewards and owners to manage the environment independently. Create reports on data access rights throughout your tenant.

Big Data reporting

Integrating, processing, and reporting on big data is a more challenging project compared to other analytical projects. Without proper architecture design, the data volume and velocity can overwhelm poorly designed environments. Data refreshes and report calculations are slow. Solliance has experience developing architecture and sizing infrastructure that can handle big data needs. Whether its batch or streaming data, we help clients ingest, process, and partition data for optimal analytical performance.

Report development methodology

Building a report with appealing visualizations is only a small part of the overall process. What good is a report that does not focus on answering the right question in the first place?

At Solliance, we focus on a holistic approach to creating a report. We will guide your organization through answering preliminary questions like:

1. What are the near term priority business goals, and how are you measuring your performance/progress with data? When you understand the reporting focus, the data source requirements become clear. The data granularity, extraction, and processing requirements rise to the surface.
2. What actions are your users taking after reviewing your reports? Reports provide value measurements of excellence and provide clarity regarding areas of deficiencies. Build reports with the actions users are going to take in mind.

3. Who are the main stakeholders? Why should they care about your report? Even though a report has been developed, the target audience still needs to be invested for adoption to be guaranteed. Great reports require collaboration and should be customized to meet the stakeholders' prioritized use cases. The report design is affected greatly by the stakeholder profile and their needs.
4. Where is the stakeholder most likely to view a report? e.g. Plant floor, desk, on a phone in a car. Target audiences may view their reports in different locations, devices, and formats. These critical requirements affect technology choices and report design.
5. What does project success look like? Each project phase needs a success target. This target will serve as a stopping point to evaluate the current iteration's success.

Implementing a successful BI project entails more than deploying and configuring technology. It is about knowing which organization questions need to be answered and answering the right questions in the report. The organization must believe in and value the report; leadership must review and rely on the same report data. "*Don't expect what you don't inspect.*"

Data Integrations

Solliance's engineers can develop pipelines to automate your data extraction and transformation tasks, whether your data is stored on-premises, in Azure, or at other cloud providers. Multiple data sources can be transformed into the optimal storage and analytical format, making it ready for reports and machine learning processes. You can implement an end-to-end analytics solution on a single platform. We can solve your difficult integration challenges and let your organization focus on deriving value from the reporting data.

Pipeline completion events do not mean new data has been loaded into your environment successfully. Once are the pipelines operational, Solliance can create post processing data checks. Custom rules will validate your data and send alerts to administrators if data anomalies exist. Don't wait for users to alert you the reports are broken.