



## Power BI Performance & Best Practice

### *3-day assessment for improving the performance of Power BI solutions*

The adoption rate of Power BI is vital when rolling out to the organisation and determines whether that rollout was a success. Performance is one of the major factors that influence this success, as nothing kills the adoption of Power BI more than Power BI itself distributing incorrect information or displaying slow performance to the business.

### Challenges:

You need to ensure your organisation is delivering high performance and adhering to best practice standards. Ensuring this approach is embedded within your Power BI reports will reduce the common challenges which we find among organisations:

- Low usage rate
- Slow rendering reports
- Frustrated report consumers
- The business reverting to previous solutions
- Inability to scale out
- High resource consumption

## Adatis Approach:

The approach taken by Adatis can be 3+ days depending on the number of reports to explore, the complexity of the reports, the number of recommendations to implement, and the number of workshops required with the necessary people. Below you will find an explanation of each phase in the approach.

Performance & Best Practice		
Data Architecture	Data Model	Data Transformation
Explore the data sources that Power BI is ingesting data from. This includes identifying the data source connector and the connectivity type that is being used. Many times, Power BI is only as good as the underlying data source, especially when using connectivity types like DirectQuery or LiveConnection.	Explore the structure and approach used to model the data. Power BI supports all model structures, however this does not mean the model will deliver the best performance or be scalable. Here we identify the data volumes, data types, data structure, and compression used.	Explore the transformation being used in Power BI. Even though transformations are simple to apply in Power BI, some transformations are much more resource-intensive than others. This can instantly cause slower performance when refreshing reports and increase resource usage.
DAX	Reporting	Security & Service
Explore the business calculations used to derive measures. Poor performing DAX can be the main cause for slow rendering visuals. Here, we use tools such as Performance Analyser and DAX Studio to investigate any low-performance DAX measures.	Explore the usage of the canvas and visuals. The types and number of visuals on a canvas can increase the render time for all visuals. Also, we provide recommendations on aligning solutions to data visualisation best practices, therefore making solutions easier to read and more aesthetically pleasing.	Explore the security applied in both Power BI Desktop and the Power BI Service. This includes any RLS and OLS, as well as how the framework for workspaces and apps has been configured. We also explore the existing licensing model used.

## Deliverables:

Adatis offers a high-performance tuning assessment for improving Power BI performance and ensuring best practices. At the end of this assessment, you will receive recommendations on:

- Improving report performance
- Aligning Power BI estate to Microsoft best practice
- Delivering insightful insights
- Maximising Power BI adoption

This assessment goes beyond recommendations. We will evaluate your reports at the beginning of this assessment and agree on implementing the necessary changes to a single report, allowing you to see how effective the results can be when applying the recommendations of this assessment.

## Benefits:

Adatis' years of experience in delivering Business Intelligence and Advanced Data Analytics projects globally will offer the guidance necessary for building reporting solutions that are:

- High performing
- Aligned to Microsoft best practice
- Scalable for the future
- Easy to use and maintain
- Cost-effective
- Visually impactful
- Insightful and aid decision making

# Let's put your data to work

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A data analytics partner you can rely on, we'll keep you effortlessly at the cutting edge, no matter how fast the tech evolves.

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