

 data-driven

Service Catalogue

Microsoft
Partner
 Microsoft

Gold Data Analytics
Gold Data Platform
Gold Cloud Platform

 databricks
Partner



Who We Are

Data-Driven is a Microsoft Gold Partner specialising in advanced analytics consulting and building modern data platforms for our customers.

We deliver innovative data and AI solutions to help organisations build a data-driven culture and empower their business decisions with insights.

For case studies, solutions or more information, see:
<https://data-driven.com>

Our Partners



Gold Data Analytics
Gold Data Platform
Gold Cloud Platform



Driving business value with data



What We Do

End-to-end data and AI consulting services

Data Strategy

Assess your current data estate/analytical requirements and define a strategic roadmap to achieve your goals on time and on budget

Advanced Analytics

Our Modern Data Platform enables you to unlock additional insights and find the value in your data

Modern Business

Accelerate your business transformation with our proven methodologies, process automation and business applications



Why Data-Driven?

Our proven methodologies and expertise enable you to solve your business challenges without worrying about technology



Our Specialty is Data & AI

We specialise in Microsoft Azure and are experts in Data, AI and Advanced Analytics.

Our business is built on successful Modern Data Platform implementations that improve ROI.



Personal Experience

We'll provide a personal, hands-on approach to deliver your solution working with your team. We like to take your business problem as it was our own and bring innovative solutions to tackle it.



Outcomes Focused

We believe all projects should focus on delivering business value by starting with the problem and working backwards. Our Agile approach balances technology, business outcomes and ROI.



Our Services

We provide end-to-end consulting services to assist you on your data journey at any stage



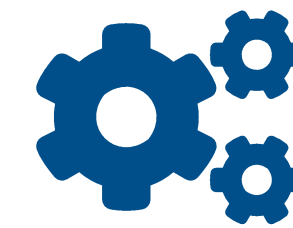
Data Strategy

Empower your business to adapt to ever-changing market conditions with strategic guidance



Modern Data Platforms

A modularised, extensible platform capable of delivering advanced analytics on any type of data while you focus on your business



Intelligent Process Automation

We use machine learning and RPA to automate repetitive and manual tasks to reduce overheads and streamline processes



Cost Optimisation

We provide insights, preventative measures, cost governance and recommendations to reduce your operational cloud spend



Power BI Reporting

Extract insights and understand your business better with interactive dashboards and operational reporting



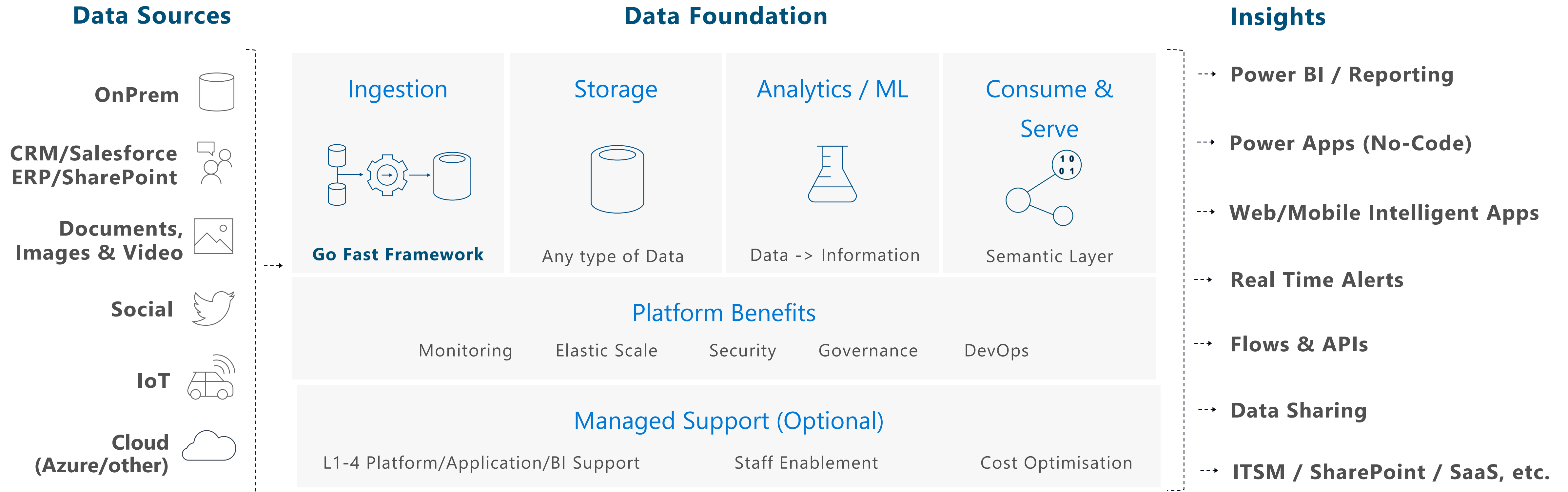
Data Science

ML enablement: explore your data to create additional revenue streams with the power of Data Science



We Specialise in Modern Data Platforms

A PaaS architecture, ready for Advanced Analytics, and capable of handling any type of data





Benefits of a Modern Data Platform

Our proven methodologies accelerate the adoption of Advanced Analytics in your organisation



Remove Data Silos

Consolidate your data across the organisation and extract insights from any type and size of data source.



Lower Operating Costs

Only pay for what you use with PaaS elastic scale, on-demand compute and infinite storage.



Self-Service Analytics / ML

Ability to make critical business decisions based on valuable, timely insights and quicker time-to-market.



Data Management & Governance

Your platform comes with enterprise security, cost controls, scalability and data management tools.



Machine Learning on databricks®

A massively scalable, PAYG Compute engine built on Azure for Data Engineers and Data Scientists



Removes Data Silos

Azure Databricks allows quick querying of data in a Data Lake with Notebook-style queries in 5 different languages



Unifies Data Science, Engineering & Business

Databricks improves collaboration between all stakeholders with a common interface and multiple language choices



Very Versatile

Databricks can be used for large transformations, machine learning or data exploration (self-service analytics). Use Tensorflow, scikit-learn or any other framework that you already know.



Massively scalable compute

Databricks is built by the same team who invented Apache Spark and is designed for distributed, parallel Machine Learning and compute.





Our Approach

Our tried and tested Agile approach involves the business users from the start in a rapid feedback loop to quickly add value

Discovery Workshops

We hold workshops with the business to work backwards from the problem & understand requirements

Feedback and Enhance

We capture feedback from the users of the platform to improve and enhance the solution

Handover & Documentation

We provide extensive system documentation as well as guides on how to maintain and manage your new platform



Strategy & Roadmap

We put together a plan on where you are and where you need to be, as well as how to get there

Solution Design

We propose a solution using modern cloud technology that adheres to your architecture guidelines

Implementation & Testing

We use agile sprints, daily stand ups and a quick feedback loop during development to ensure the outcome matches the expectation



Managed Support Service

Data-Driven goes beyond the development and implementation of Modern Data Platforms by offering our managed support to ensure the smooth running of the solution for your users.

We offer support of all levels of operational support from basic Level-1 triage through to advanced analytics support with a blended support team of cloud engineers, BI developers and data engineers.

Managed Support Service	
Support Mode	On Demand (X number of hours per month, as required) - L1, L2, L3 & L4
Support Time Availability	Up to 24x7 - This can be varied as required depending on in-house skills and budget
Support Type Activities	Sysadmin Support, Data Issues, Bug fixes, Minor Enhancements, etc
Technical Skills in Support Team	Data Engineer, Azure Engineer, Databricks, Power BI, Power Apps, Account Manager
Support Communication Tools	Jira Service Management (ITMS) / Email / Phone / OpsGenie



Reduce your Cloud Spend with Automated Cost Governance

CostBot allows companies to reduce their cloud consumption costs while setting up an effective and automated governance process with real-time cost controls to manage their cloud resources more efficiently. [Read More Online](#)



Lower Operating Costs

Only pay for what you need. CostBot monitors your cloud resources in real-time and finds any that are oversized or unused.



Understand your Expenses

Better visibility of your cloud consumption and easy tools to evaluate and analyse your monthly spend by cost group or even project.



Manage Budgeting & Forecasting

We'll help you understand your environment, usage, and expenditure. Manage, reporting, budgets and alerts automatically.



Improve Governance & Accountability

Get recommendations for cost controls and best practices to ensure the right people are accountable for costs and embed cost awareness on your team.



Customer Success Stories

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Enabling Self-Service and Advanced Analytics

Customer Success Story – Data Foundation – [Read Online](#)



Transport for NSW

Transport for NSW (TfNSW) manages one of the largest fleets of vehicles in Australia, including Buses, Ferries, Light Rail, Trains and Metro. The real-time data generated by these vehicles provides valuable analytical opportunities to improve transport services by measuring service performance and optimising routes, however, the sheer volume of data presents data management challenges.

Data-Driven partnered with TfNSW to deliver the Operational Data Lake (ODL) platform on Azure to enable self-service and advanced analytics capabilities previously not possible.

The Challenge

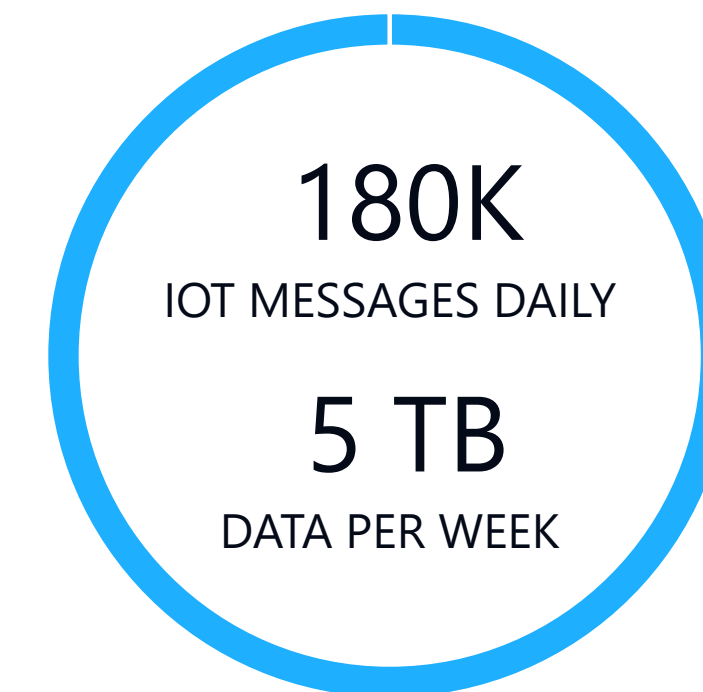
Historical GTFS transport data has always been too large and costly to store efficiently and analyse. Each TfNSW vehicle sends its' location every 10 seconds which results in a huge stockpile of data containing valuable insights.

In the past, this data was not stored which made insights from past vehicle trips almost impossible to obtain and ruled out the ability to predict trip delays or optimise trip routes. It also made it difficult to report on and analyse service performance and reduced the ability to improve customer services.

The Solution & Business Value

The Data Foundation solution by Data-Driven was the perfect starting point as it was designed to be highly scalable and extensible whilst providing an analytics platform for citizen data scientists and business users. The DevOps-first mindset meant it was easy to extend for new use-cases.

This met TfNSW's vision to build the Operational Data Lake (ODL); a unified, next-generation data and analytics platform, leveraging native Azure services to enable the continuous collection/curation of diverse transport operational data sets, allowing self-service analytics and machine learning to gain further insights to improve transport customer services.



“TfNSW needed a solution to capture real-time data for every vehicle in motion across the state. This solution just gives us that so that we mine nuggets from this data.”

[Sandeep Mathur](#)

TfNSW Program Manager



Reducing Azure Spend & DevOps Improvement

Customer Success Story – Cost Optimisation – [Read Online](#)



Clinic to Cloud

Clinic to Cloud is a cloud-based medical software that provides Australian healthcare teams with greater visibility and control - to ultimately improve patient care. Clinic to Cloud has invested in technology which help clinicians reduce costs, increase access to information and provide improved patient care.

The Challenge

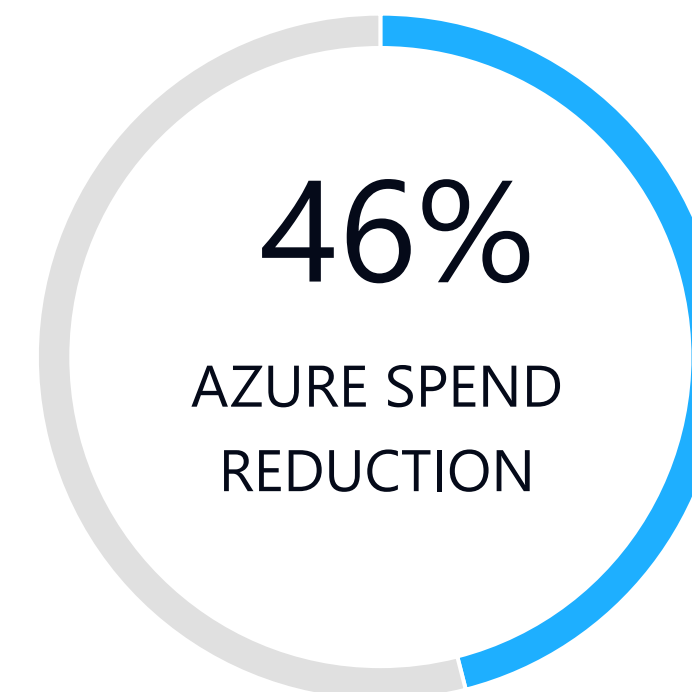
After a period of increased growth and additional customers the costs on the Azure platform increased significantly as more developers worked on the system.

This resulted in a large Azure bill each month which increased over time. In addition to this the DevOps solution needed to be updated to match recent platform enhancements.

The Solution & Business Value

We identified under-utilised resources and recommended a series of actions to remove or scale down services in order of benefit and risk.

Over a 2-week period we implemented and measured the changes to ensure the system performance remained unaffected. This resulted in **a 46% reduction in Azure spend** and better awareness amongst the development team of their actions regarding costs.



“Data-Driven did a comprehensive audit of our Azure infrastructure and DevOps processes. They identified and improved several areas, saving our company thousands of dollars each month in subscription costs.”

Rafic Habib,
Clinic to Cloud CEO



Modern Data Platform Offer 6-week Pilot

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Pilot Pricing and Deliverables

Our typical 6-week engagement involves delivering the Data Foundation platform and ingesting the data from 1 data source of choice with a Power BI report to demonstrate end-to-end flow in a customer-ready environment

Go Fast Data Foundation Pilot	Price (ex)
Fixed-Price & Timeboxed	\$50,000

Deliverables

- E2E Data Foundation on Azure with 2 Environments – Dev and Prod deployed with DevOps
 - Framework for Ingestion, data pipelines and storage
 - Ingestion of 1 Data Source of choice
 - Easy to plug in Machine Learning in future
 - Data integration via Sharepoint
- Power BI report (Business requirements to be confirmed by the client)
- Workshops + Strategy Roadmap for next phase
- As Built Documentation and Handover + Training for IT

Possible Add-Ons

- Machine Learning PoC component (with or without MLOps)

Resources/Roles included:

- Technical Lead / Data Architect
- Business Analyst
- Data Engineer
- Project Manager



Modern Data Platform – 6-week Pilot

A DevOps-driven, enterprise data foundation using secure, highly-scalable technology on the Azure cloud ready for self-service analytics and ML



Sprint 1

- Discovery Workshops
- Identify Data Sources
- Setup Source Control
- Provision Azure Services
- Ingestion Pipelines
- Data Preparation

Sprint 2

- Delta Lake
- Implement DevOps
- Monitoring & Budgeting
- Example BI Report
- Analytics

Sprint 3

- UAT
- Productionsation
- Documentation
- Handover

Deliverables / Outcomes

- Requirements Doc
- Architecture Doc

- Dev Environment
- Ingest data
- Source Control

- Delta Lake
- Budgeting Capability

- Example Report

- DevOps
- Operational Data Lake

- Prod Env. via DevOps
- As-Built Documentation
- Presentation of Roadmap

- Indicative timeline may change depending on client's feedback & priorities
- Does not include ML use-case but it will be consider within the architecture

Contact Us

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Founders of the Sydney



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