



# The Experts in Cost-efficient, Modern Data Platforms



2022 Microsoft Partner of the Year  
Australian Finalist  
Advanced Specialization  
Analytics on Microsoft Azure





# Who We Are

Data-Driven is a Microsoft Gold Partner specialising in building modern data platforms for our customers to allow advanced analytics and self-service reporting.

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

Microsoft  
Partner



2022 Microsoft Partner of the Year  
Australian Finalist

Advanced Specialization  
Analytics on Microsoft Azure

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/Governance

Assess your current data estate/analytical requirements and define a strategic roadmap to get you from where you are to where you want to be.

## Advanced Analytics

Our Modern Data Platform enables you to unlock additional insights and find the value in your data with self-service reporting and advanced analytics

## Cost Optimisation

We specialise in designing and implementing Modern Data Platforms with cloud cost management and governance in mind.

## Modern Business Apps

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



## We only do Data & Advanced Analytics on Azure

We specialise in Microsoft Azure and are experts in Data, AI and Advanced Analytics. As a Consultancy we do not spread ourselves too thin or try to be a “jack of all trades”.



## We Build Cost-Efficient, Modern Data Platforms

We know how expensive Big Data and ML can be so we built a tool, CloudMonitor, to keep your platform costs low. We build cost management into the Data Platform during development.



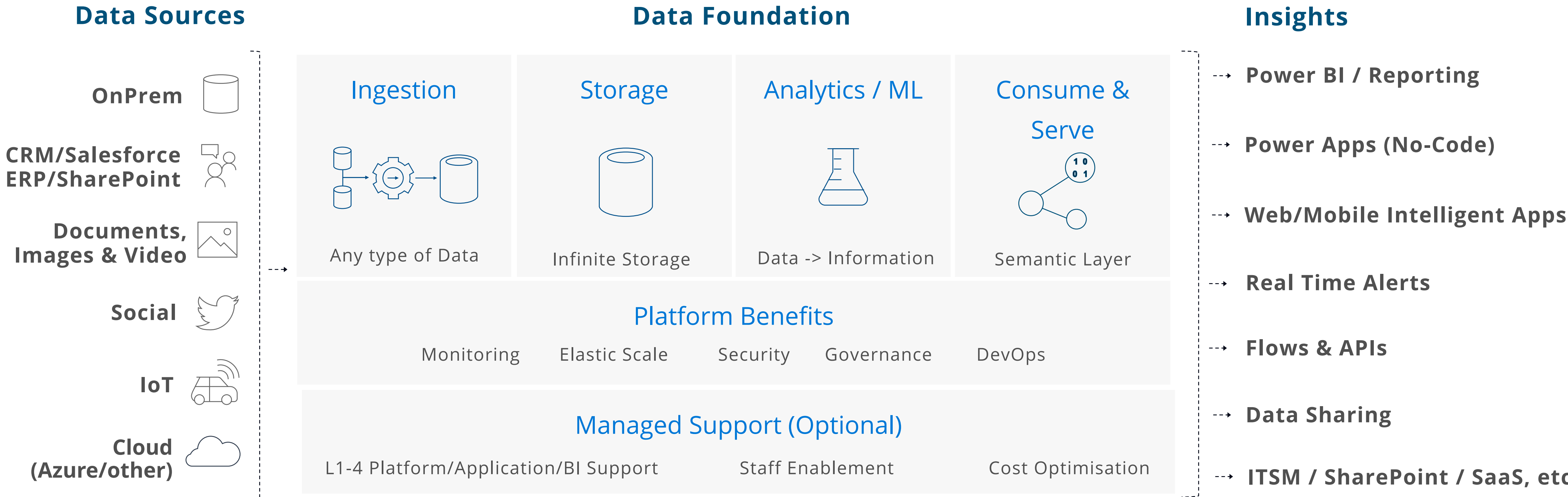
## Outcomes Focused

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.



# We Specialise in Modern Data Platforms

An Azure PaaS architecture, ready for Advanced Analytics and self-service reporting, capable of handling any type of data and future use-cases.





# Our Delivery Methodology

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

## 1 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

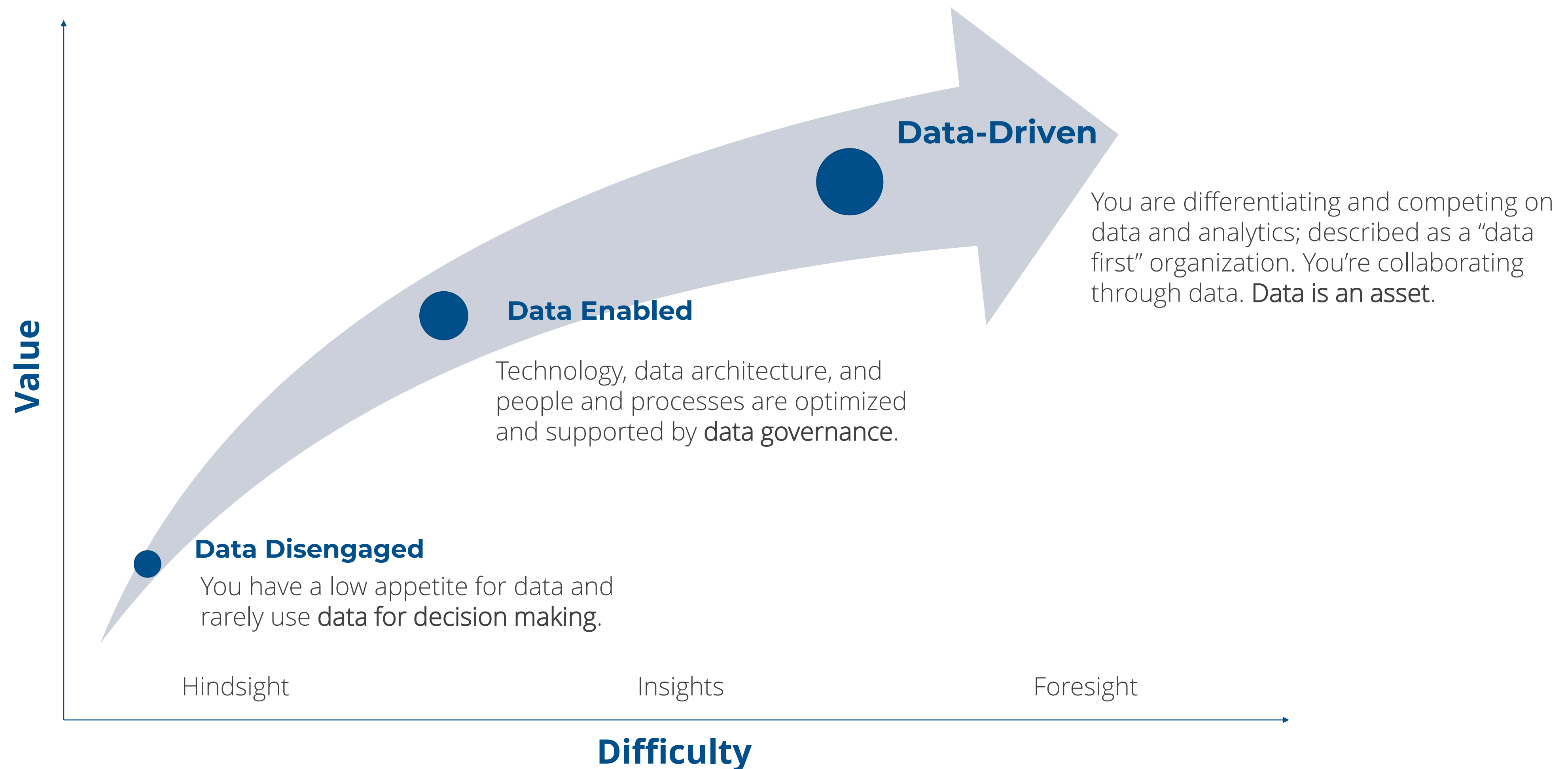
We propose a solution using modern cloud technology that adheres to your architecture guidelines

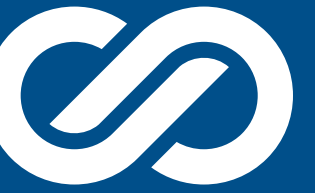
## Implementation & Testing

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

# The Data Journey to being Data-Driven

Where do you find yourself on the curve of the data maturity level?





# Our Clients - Azure Data Platforms

Happy Customers from Small Businesses to Big Enterprises to State and Federal Government



Transport  
for NSW



Health



Planning,  
Industry &  
Environment

sentis



Government of **Western Australia**  
Department of **Communities**



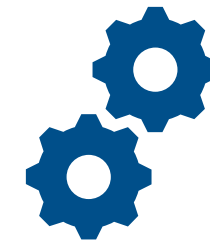
# Our Solutions

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



## Data Strategy & Governance

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



## Azure Foundation

Hands-on Azure Infrastructure review, recommendations and implementation to accelerate your cloud adoption following CAF



## Data Foundation

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



## Managed Support Service

Customisable managed support to ensure the smooth running of the applications for your users



## Cost Optimisation

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



## CloudMonitor

Azure Cloud Cost Management and Governance tool to help you keep your cloud consumptions cost under control



# Data Strategy & Governance

Review your data strategy and landscape: by focusing first on People, Process and Technology

1. Build Business and User Context

2. Understand your current Data Landscape

3. Build a Target State Roadmap and Plan

Strategy

Data Products

Current State

Future State

Review

Phase Steps

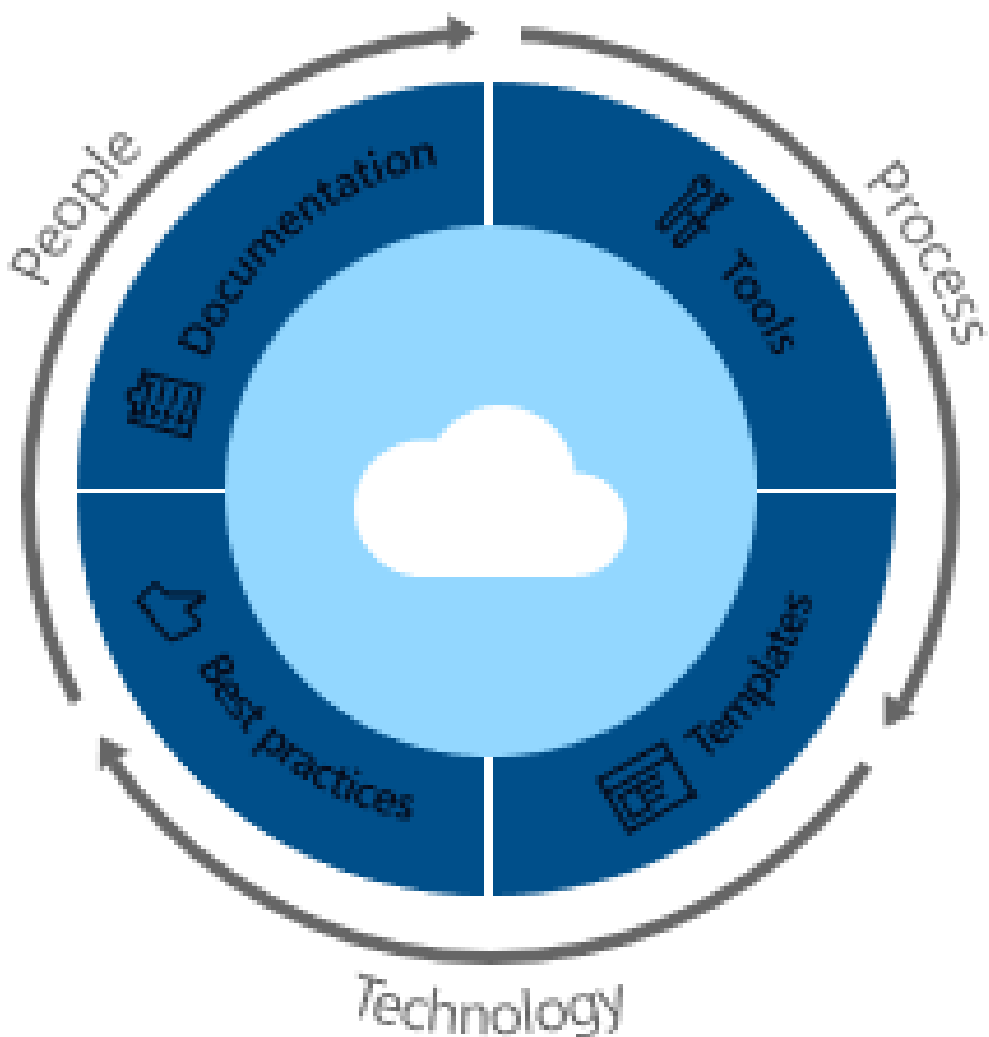
- ✓ Substantiate Business Drivers
- ✓ Identify key customer pain points
- ✓ Build High-Value Use Cases for Data Governance
- ✓ Confirmation of Scope
- ✓ Nominate Key Stakeholders and set up engagement sessions

- ✓ Determine Data Product definitions
- ✓ Data products grouped by teams
- ✓ Data flow charts

- ✓ Interviews/Surveys with appropriate teams
- ✓ Creating Current-State mapping
- ✓ Understand key components of data governance
- ✓ Gauge your organisations current data culture

- ✓ Formulate an Actionable Roadmap and Right Sized plan

- ✓ Review and Communicate





# CAF Azure Foundation: 1-Week Assessment

Azure Infrastructure hands-on review and recommendations to accelerate your cloud adoption

Data-Driven will perform an Azure infrastructure and configuration audit and review using the Microsoft Cloud Adoption Framework (CAF) and aligned with the Landing Zone deployment for Azure, then providing recommendations to improve your infrastructure setup and accelerate your company's Azure adoption.



## Workshop

- ✓ Workshop with relevant stakeholders to understand the current application deployment in Azure and the existing Azure infrastructure



## Audit & Review

- ✓ Assess the following key cloud configuration principles:
  - Performance efficiency
  - Operational excellence
  - Security
  - Reliability
  - Cost optimization review



## Documentation

- ✓ Detailed documentation of the current Azure Infrastructure configurations
- ✓ Recommendation with the level of business priority and complexity.



## Final Presentation

- ✓ Presentation of the current findings
- ✓ Presentation of the recommendations and explanation of the priority levels and complexity
- ✓ Identify next phases



# CAF Azure Foundation Assessment Benefits

Best practices to ensure a secure and scalable cloud infrastructure to support your business needs



## Optimal Application Performance

Find the right balance between speed, scalability, cost and performance for your business applications.



## Cost-Optimized Deployment

Take control over your Azure usage and improve your application's deployment processes.



## Fit for Purpose Azure Service Configuration

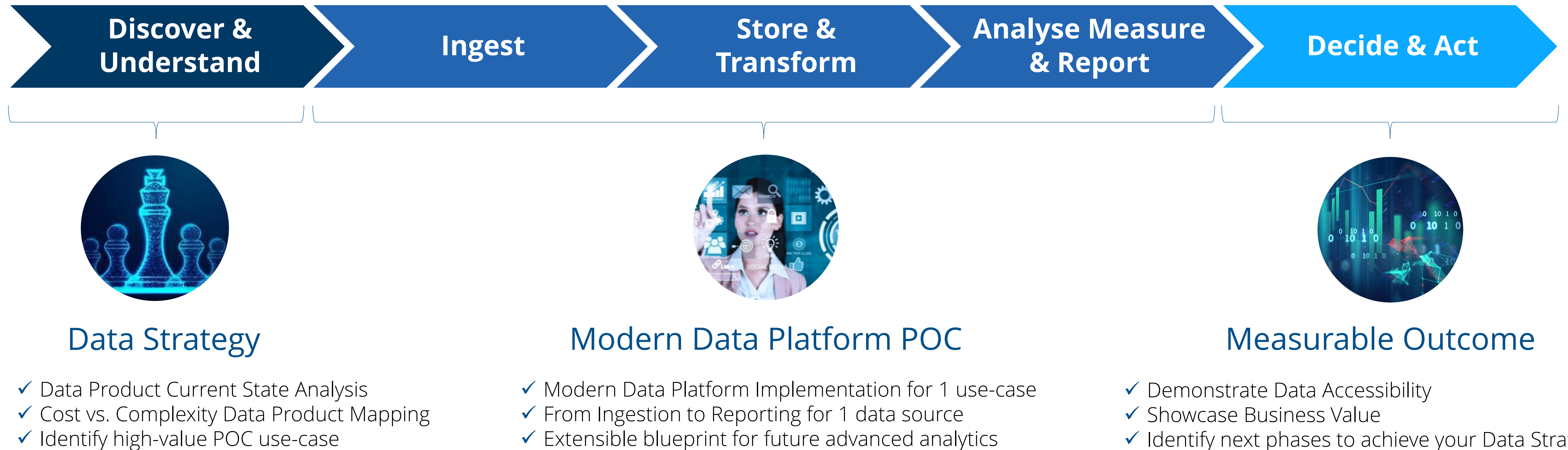
Your platform is built on best practices and ensures the most secure and reliable platform possible.



# Data Foundation: 4-Week PoC

## Transform Your Data Into Actionable Insights with a Modern Data Platform

Data-Driven offers a 4-week PoC that delivers a modern, scalable, data platform adding value from the outset. We differentiate ourselves by focusing on your overall Data Strategy and engaging your business to identify the best use case before implementation.





# Benefits of a Modern Data Platform

Our proven methodologies and tested solution framework 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.

# Azure Managed Support Service

Data-Driven goes beyond the development and implementation of Modern Data Platforms by offering our managed support:

- ✓ Monitoring and Alerting.
- ✓ Break/Fix – Bug Fixing
- ✓ Optimization Opportunities
- ✓ Cost Management
- ✓ Optimal Performance
- ✓ Best Practices Configuration
- ✓ Deployment Management





# Azure 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 up to 24x7 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.

Service	Details
Support Mode	On Demand - # of Hours available per month Depending on your business requirements
Support Time Availability	Up to 24 hours
Support Services	<ul style="list-style-type: none"><li>✓ Azure Services (Infrastructure, configuration, maintenance)</li><li>✓ Data Pipelines</li><li>✓ Synapse</li><li>✓ Databricks and Delta Lake</li><li>✓ Data Governance - Azure Purview</li><li>✓ Visualization - Power BI Integration, development &amp; maintenance</li><li>✓ Data Lakehouses, Data Lakes, Data Warehouses</li><li>✓ Data Modelling</li><li>✓ Networking Solutions</li><li>✓ Deployments</li><li>✓ Cost Optimization</li></ul>
Technical Skills in Support Team	<ul style="list-style-type: none"><li>✓ Azure Cloud Engineer</li><li>✓ Data Engineering</li><li>✓ Data Architect</li><li>✓ Data Platform Engineer</li><li>✓ Databricks</li><li>✓ DevOps</li><li>✓ Power BI</li></ul>

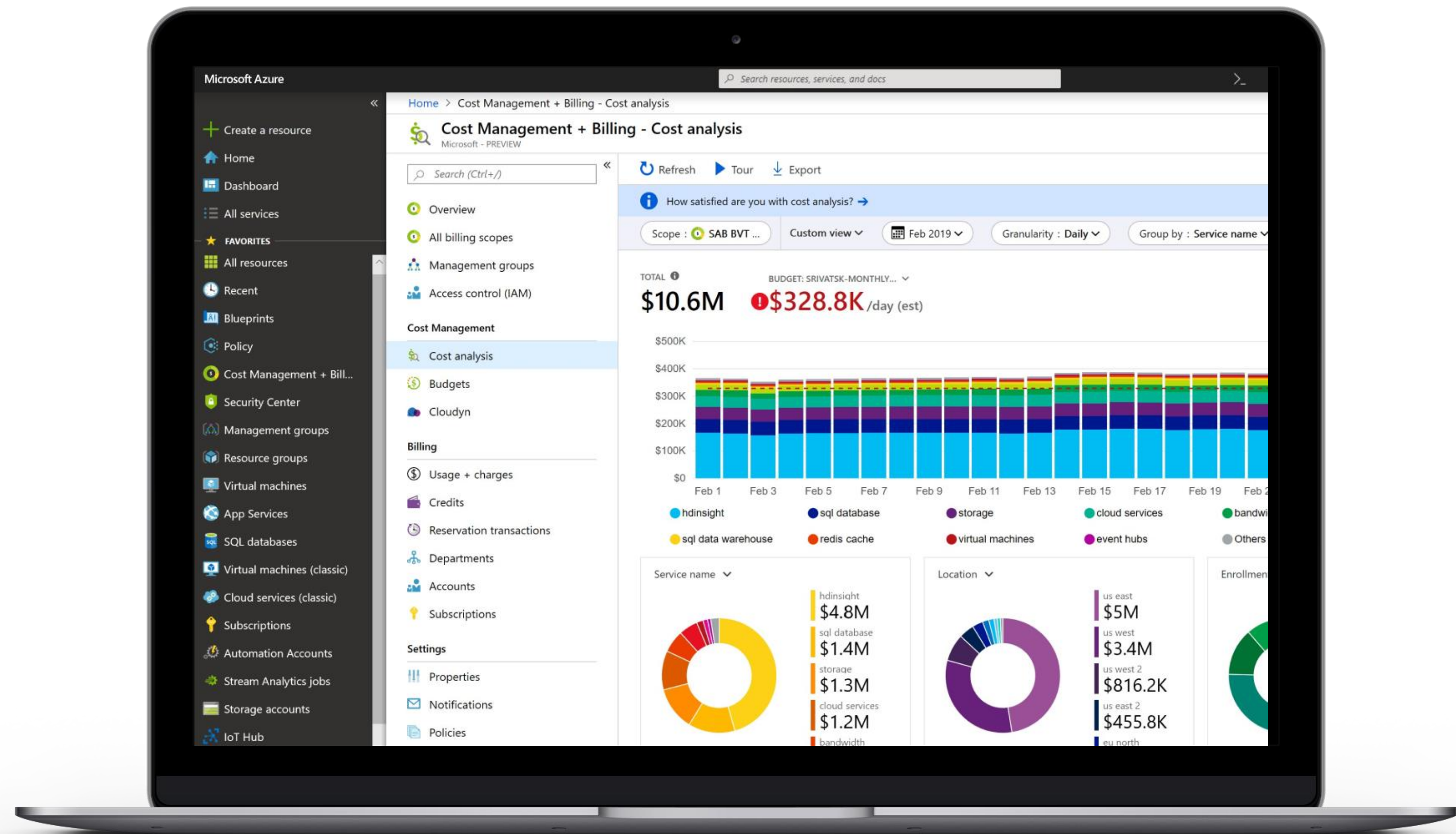
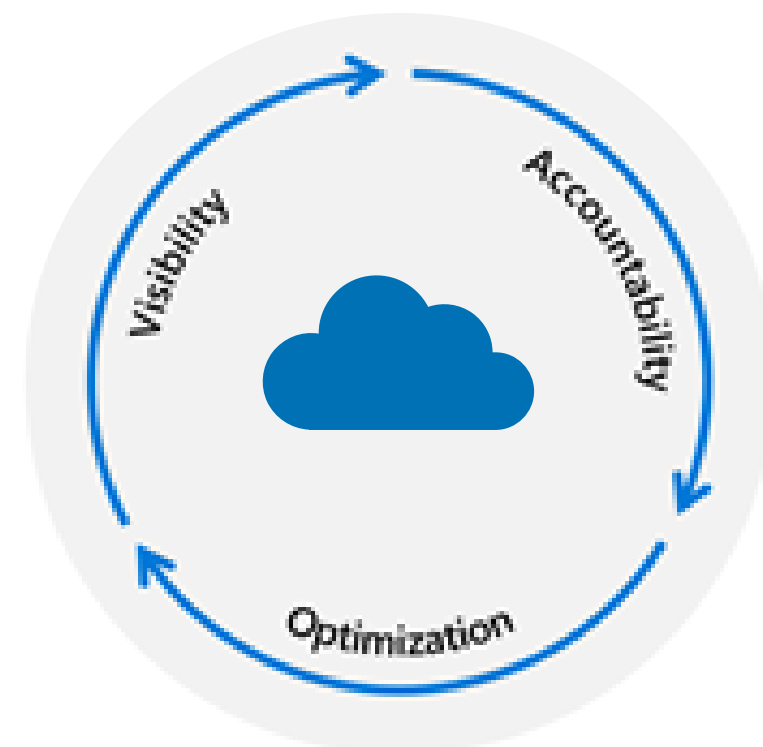


# Azure Cost Optimisation Assessment

Find out how much you can save on your Azure expenditure

Our objective is to help you reduce your Azure spend by “right-sizing” resources to match their workload, removing unused resources, and improving your cost management process.

Our assessment includes a workshop for stakeholders and a detailed evaluation of your Azure footprint and architecture.





# Cost Optimisation Benefits

Our proven methodologies will help you minimise your costs and right-size your Azure resources.



## Reduce your Costs & Increase Profit

Only pay for what you need by following our recommendations to save money with quick wins.



## Gain control of your Costs

You can't control what you can't see. We'll help you understand your environment, usage, and expenditure.



## Improved Cost Governance & Accountability

Get recommendations for cost controls and best practices to ensure the right people are accountable for costs.

## Reduce your Cloud Spend with Automated Cost Governance

CloudMonitor 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.



### Lower Operating Costs

Only pay for what you need. CloudMonitor 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.



# What Makes CloudMonitor Different?

We do things a bit differently compared to the other cloud spend management tools on the market:

- 1 Your cost data stays inside *your* organization**  
Cost data is highly sensitive and confidential. Other tools extract your data and give you access to their SaaS app. With CloudMonitor, *you* own your cost analytics and it lives inside of *your* Azure cloud.
- 2 Map your Business Units/Projects to flexible Cost Groups**  
Allocating costs and chargeback is essential and it needs to be done by Business Unit or Cost Centre. CloudMonitor uses native Cost Groups (i.e, no tagging) as logical groupings of costs by business function.
- 3 Customize Power BI reports to suit your business**  
Our reports cover most cost scenarios; however, you can easily build your own reports on top of the CloudMonitor cost analytics in Power BI to suit your business requirements and IT spend reporting needs.
- 4 Easier procurement/security with Microsoft Marketplace**  
Stay on the freemium version or purchase your CloudMonitor subscription directly from Microsoft in the Azure Marketplace. There's no 3<sup>rd</sup> party vendor contracts, SOWs or procurement headaches.
- 5 Executives Reports and Dev Workflow**  
Capture "Created By", "Created Date", "Owner" and conversations about resources so you have a full history for each resource. Key actions like Resource reviews, dismissing cost anomalies and recommendations are logged permanently in the audit trail.



[Read More Online](#)



# Customer Success Stories

 data-driven



# 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

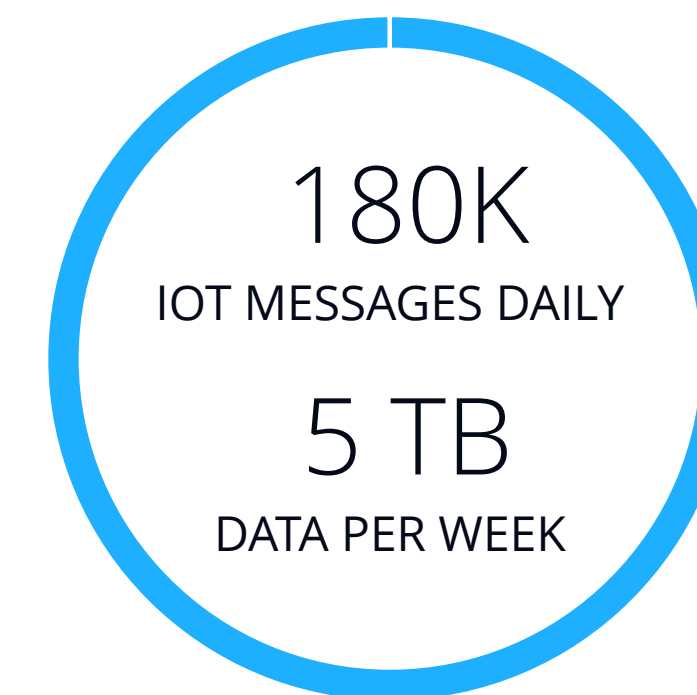
Historical GTFS transport data has always been too large and costly to store efficiently and analyse. Each TfNSW vehicle sends its' location every 10 seconds which results in a huge stockpile of data containing valuable insights.

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

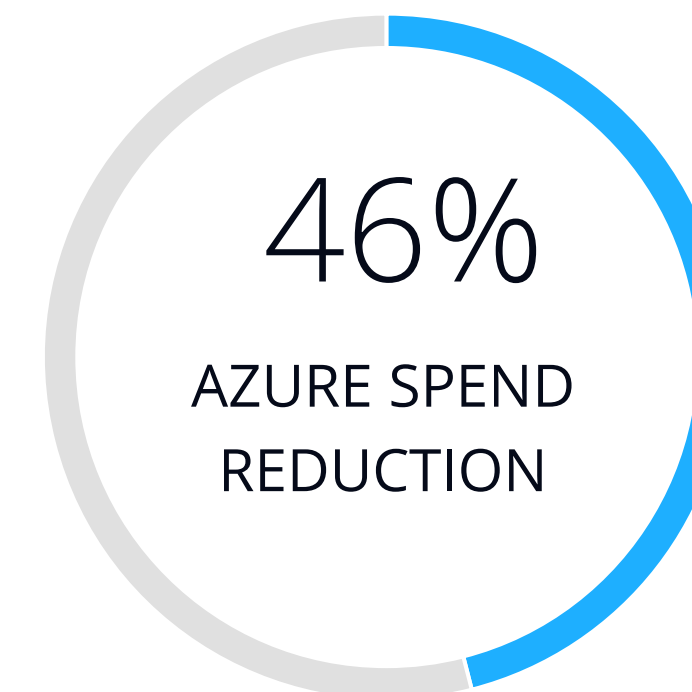
After a period of increased growth and additional customers the costs on the Azure platform increased significantly as more developers worked on the system.

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

# Contact Us

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Founders of the Sydney



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