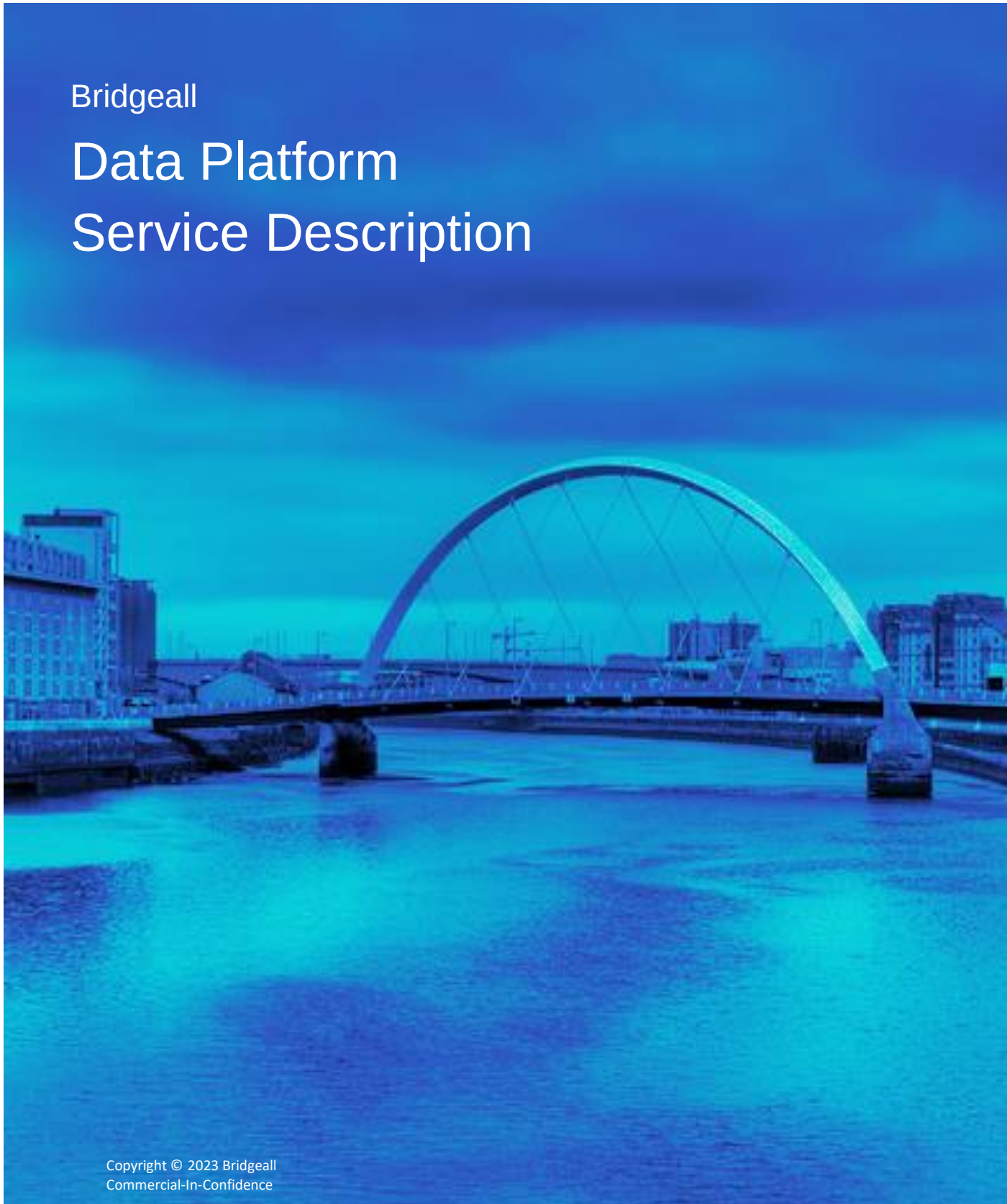




Bridgeall

Data Platform Service Description



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1. Service Description

At Bridgeall we provide a full range of advise, audit, consultancy and implementation services to help you deliver a great data strategy. We focus on helping you define and meet the objectives that matter to you and provide the most value to your organisation.

We are a Microsoft solution provider for Data & AI on Azure showcasing our qualifications and experience helping customers adopt these solutions.

We provide a full range of advisory, design, implementation, integration and support services. These include but are not limited to:

1.1. Data platform proof of concept

We provide a proof of concept for what a data platform in Azure might look like. We identify a use case and build a proof of concept, getting the data into Azure and then to your reports. To demonstrate the effectiveness of this route vs the cost and help you plan out a full migration.

1.2. Data platform implementation

No matter where you are on your data platform journey, we help organisations, review, assess, implement and support their data platforms in Azure. We can work on migration projects from on-premise or other systems as well as helping you to optimise the data platform you already have. Contact us for more information.

1.3. Azure data platform

At Bridgeall we are a Microsoft partner and specialize in the use of Microsoft data services. Depending on the size, complexity and budget restraints will depend on our proposed approach to data solutions for your data platform.

1.3.1. Azure Synapse Analytics

Azure Synapse Analytics is the flagship data solution and is key to any Azure data platform. It is where you can store, transform your data and build clear links with your reporting tools. Azure Synapse Analytics allows you to store raw unprocessed data in Azure data lake storage (ADLS v2) and then allows you to easily transform and run analytics on this data using pyspark.

Azure Synapse Analytics is a highly scalable and flexible solution, it offers two different SQL offerings with different processing capability and price Dedicated pool vs serverless SQL pool.

1.3.2. Azure Data Factory

Is the link from your data platform to your data sources. It offers the ability to connect to and extract data from your different systems and data sources, including on-premises data. Azure data factory allows you to pull this data out and includes the ability to manipulate and clean this data as it comes in using a low code data flow capability.

1.3.3. Microsoft Fabric

Microsoft Fabric is a new offering from Microsoft that combines Power BI with the power of the Azure data platforms into one unified easy to use platform. It is low code and helps you manage everything in one place, designed to help more people build better data pipelines and improve the quality of data reaching their BI reports. Fabric supports; data modelling, data analytics, data ingestion and machine learning.

2. Examples of data platform projects

2.1. Sandstone Property – A unified data platform

Sandstone property is an Edinburgh based property management company. They have a number of VIP customers they were providing manual reporting on their housing, occupancy and P&L. This process took a lot of manual effort and involved combining data from different systems using Excel on a monthly basis.

Bridgeall were brought in to provide an automated process to replace the Excel process and provide a reliable data platform with clean enhanced data that supports future reporting requirements.

“We had a labour intensive process for reporting to our clients and internally.

We used bridgeall to create a database from multiple sources which would then generate reports.

Bridgeall understood the brief and completed the database . along with some bespoke reports, to time & budget”

Bill Adams, Group Finance Director, Sandstone Property

2.2. REMT – Building a Cloud Data Warehouse and Master Data Management Strategy

The Royal Edinburgh Military Tattoo (REMT) is dedicated to putting on spectacular performances each and every year with an annual audience of around 220,000 against the stunning backdrop of Edinburgh Castle. The Tattoo is an iconic Edinburgh institution and a sell out year after year after year.

REMT like many businesses had data stored in different systems and had a requirement to bring these together. Bridgeall were engaged to create a data management strategy. This strategy was broken down into a few key parts with the end result was the delivery of a digital solution that delivered against each of the requirements.

Phase 1

The vision was to create a data management strategy that delivered a single source of truth for customer data stored within a cloud data warehouse. This cloud data warehouse would take data from different sources and consolidate them into a single location. This enables a wide range of activity including reporting and integration of various systems.

Phase 2

During the first phase the only way REMT were accessing the customer data was via Power Bi and Power Query. The second part of this project was to provide users with access to their data stored within the data warehouse via the web portal.

We created an identity provider model that linked website users to their data profiles within the warehouse. We integrated a single sign on process into the new website using Azure B2C services. They had specific requirements on the look-and-feel of the sign-up / sign-on pages, which required us to build on the standard journey presented by Azure B2C to perform checking operations on an Azure SQL database (using Azure Functions).

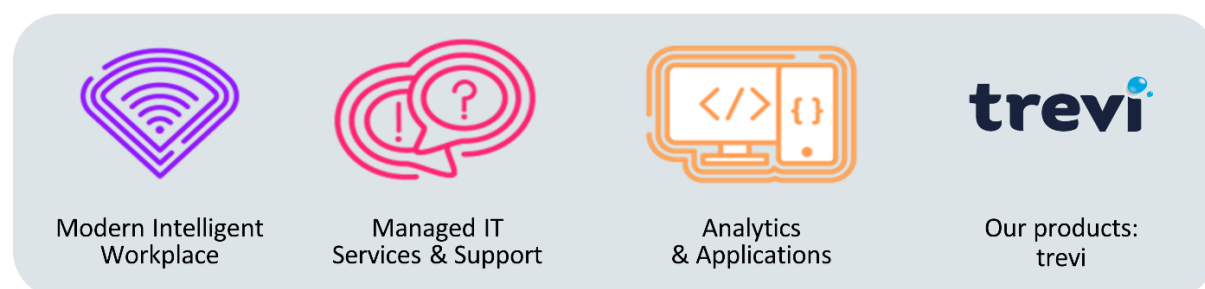
As part of the same project we also designed a secure web API to allow the website designers to interact with the Data Warehouse.

The end result is that REMT had a fully functioning data warehouse that took data from a range of different sources. This was completely secure and scalable within Azure. The data was then made accessible to users using a secure single sign on approach to simplify the customer journey and improve the customer experience. REMT are able to run reports and build solutions all running from their cloud data warehouse.

3. About Bridgeall

Since 2002, Bridgeall has successfully delivered hundreds of projects to private and public sector organisations. Our focus is on providing an exceptional service to our customers by delivering class-leading digital solutions. We are ISO 9001, ISO 27001 and Cyber Essentials Plus certified, demonstrating our focus on quality and governance in everything we do.

As well as having our own software solutions for the water market (Trevi), we split our services up into our 3 main business units; Managed IT Services & Support, Modern Intelligent Workplace and Applications & Analytics.



We are a one-stop-shop for all things Microsoft with certified consultants across the full stack and cloud solutions including Azure, Dynamics 365, Data & Analytics, Microsoft 365, SharePoint, Power Apps and Power Platform, working with the likes of:



Microsoft

Bridgeall takes great pride in our achievements in recent years of being a 10 x Microsoft Gold Partner. With Microsoft's new Cloud Partner Program, this changed the accreditation approach to focus on key solution areas. As a result, we have achieved the designations required to qualify as an accredited Microsoft Solutions Partner in the following key areas.



Modern Work

Azure Data & AI

Azure Infrastructure

Azure Digital & App
Innovation

In addition, we are a Tier 1 Cloud Solution Provider (CSP), meaning we have unique access to Microsoft licensing and can offer specialist licensing advice and pricing.

Being a CSP partner, Bridgeall can also offer our clients flexible pricing and billing options, as well as the ability to bundle multiple services together under a single contract.

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Document Properties

FIELD	DATA
Version	0.1
Date	[Publish Date]
Author	Author
Owner	
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Revisions

REVISION DATE	RELEASE	CHANGE SUMMARY	CHANGED BY

Approvals

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