



TRANSFORMING BUSINESS
THROUGH **TECHNOLOGY**

G-Cloud

Service Description



Azure Application Development & Data Engineering Services

Service Overview

Core's Azure Application Development & Data Engineering Services provide public sector organisations with a comprehensive, end-to-end capability for designing, building, and modernising cloud-native applications and data platforms on Microsoft Azure. This service is designed to help organisations transform legacy systems, unlock the value of their data, streamline integration patterns, and adopt best-practice engineering approaches that enhance security, performance, automation, and long-term sustainability.

Service Description

Our service encompasses the full lifecycle of Azure-based solution delivery, beginning with discovery, architecture definition, and solution design before moving through development, testing, deployment, optimisation, and handover. Solutions are engineered using a wide range of Azure services, including Azure SQL for secure and scalable data storage, Azure Data Factory for orchestrating advanced data pipelines, Databricks for high-performance data engineering workloads, Azure Functions and Logic Apps for event-driven integrations, and Azure Key Vault for centralised secrets management.

Each solution is crafted to align with governance, compliance, and security requirements, ensuring that platforms are robust, maintainable, and future-ready.

Our engineering team delivers modern application development using cloud-native architectures, API-driven integrations, and modular design patterns that reduce technical debt and support agile transformation. Data engineering workloads are designed to enable organisations to ingest, transform, analyse, and visualise their data effectively leveraging Power BI to surface meaningful insights and automated CI/CD pipelines to maintain consistency across environments.

Throughout delivery, we provide documentation, enablement, and knowledge transfer to equip customer teams with the understanding required to operate and extend the solution.

As part of our service offering, we support organisations in harnessing the capabilities of Microsoft Fabric within their modern data platform strategy. Our team integrates Microsoft Fabric to provide a unified experience across data engineering, analytics, and business intelligence.

Service Components

The service includes the design and development of custom Azure application architectures, where our engineers carefully shape solutions that reflect organisational requirements and Microsoft best practice. The service covers application development, application modernisation, cloud migration, support, and security reviews as part of the service offering. The service encompasses serverless and microservices architectures, delivery aligned with DevOps practices, and comprehensive data and analytics capabilities, including warehousing, data lakes, and reporting. It facilitates API-led integration through Azure platform services such as API Management (APIM) and supports messaging via Service Bus.

We build advanced data pipelines using Azure Data Factory, supporting the ingestion, transformation, and movement of large or complex datasets across operational and analytical platforms. Where deeper data modelling or high-performance processing is required, we use Databricks and Python-based data engineering approaches to create scalable and optimised data workflows.

We design, configure, and harden Azure SQL environments to support secure data storage, ensure high availability, and optimise query performance. Application and data workloads are wrapped in automated CI/CD pipelines that manage deployments, environment configuration, and testing activities, ensuring consistency and reducing risk. We also integrate Power BI to deliver advanced dashboards and reporting outputs that help organisations interpret and act upon their data.

Where solutions depend on external systems, we deliver integrations using API gateways, GIS connectors,

and custom logic, ensuring interoperability across diverse environments. Security is embedded throughout delivery, with role-based access controls, encryption, and the use of Azure Key Vault to protect credentials, keys, and sensitive configuration items.

The service further incorporates full lifecycle documentation, DevOps guidance, and structured migration pathways for organisations seeking to modernise legacy workloads or evolve towards cloud-native operations. The Service offers comprehensive Azure application migration solutions for transitioning on-premises applications to the Azure platform, including the development of web, mobile, and API applications.

Typically, a high-level plan is provided with every proposal, and this is developed into a more detailed implementation plan, agreed with the customer.

Commercial Model

Engagements can be delivered as fixed-scope projects, agile delivery sprints, or flexible call-off engineering capacity depending on organisational needs. The service may also be combined with Core's Smart Projects framework for ongoing platform development, or with Core's Managed Azure Service for long-term operational support, monitoring, and optimisation. Pricing is based on the scale and nature of the workload, the engineering disciplines required, and the delivery model selected.

Benefits

This service enables organisations to adopt secure, scalable, cloud-native applications that are designed for long-term value. Data engineering workloads become more reliable and efficient through structured pipelines and modern tooling, while automation and CI/CD practices increase deployment stability and reduce operational overhead. Integrated analytics and reporting capabilities allow organisations to make informed decisions based on accurate, timely data. Built-in governance, RBAC security controls, and best-practice architecture patterns ensure compliance and protect sensitive assets. By applying reusable engineering patterns and cloud-native design principles, the service accelerates innovation and gives organisations the flexibility to evolve and expand their digital estate with confidence.

About Core

We have a long and distinguished record of supporting organisations with cloud first strategies, implementing successful, efficient, and safe migrations to the Cloud, driving value, productivity and security.

As a Microsoft Solutions Partner with more than three decades of experience delivering Microsoft solutions, we understand how to unleash potential and unlock value for our customers who have invested in Microsoft technology. We help improve the transition from E3 to E5 licensing, enabling enhanced security and mobility capabilities for our customers, without the need for third-party solutions.



Your organisation deserves reliable, trustworthy, and responsive expert IT support so you can focus on what you do best. With our 35-year history, your business is in capable and experienced hands. In 2001, Core deployed the first installation of SharePoint in the UK and have continued to deliver and support Microsoft products and solutions, leading businesses to superior levels of productivity, security, and growth. From the early operating systems and intranet solutions to the advanced productivity and security tools that organisations adopt to seek efficiencies, Microsoft solutions now touch tens of millions of lives daily; and Core helps to optimise solutions for your desired outcomes.

Core is a Microsoft Advanced Partner and has been delivering Microsoft solutions for nearly three decades; transforming, enabling, and securing our customers with the evolution of Microsoft business technologies across the UK. Our focused expertise and experience, along with our long-standing relationship with Microsoft, means that when our customers invest in world-class transformation products, they are delivered by our team of leading experts, and managed personally, with competence.



Customers

We put our customers first, taking responsibility for our actions.



One Core

We recruit, develop, and retain the best talent in a supportive environment to best serve our customers.



Responsiveness

We are flexible, approachable, and responsive to our customers' needs.



Expertise

We are professional and constantly strive to achieve excellence for our customers, peers, and partners.

Core works in a spirit of partnership. We find that this helps us achieve the best outcomes for our customers, which supports our target of building long term, positive and trusting relationships with our customers. This includes offering as much value as possible and finding new way to maximise on your investment. We are proud to be:

- Winner of CRN MSP of the Year 2023. 2023 and 2024 Best Company to Work For (sub £100m) – CRN
- Cyber Essentials Plus and ISO 27001 Certified.



WINNER
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