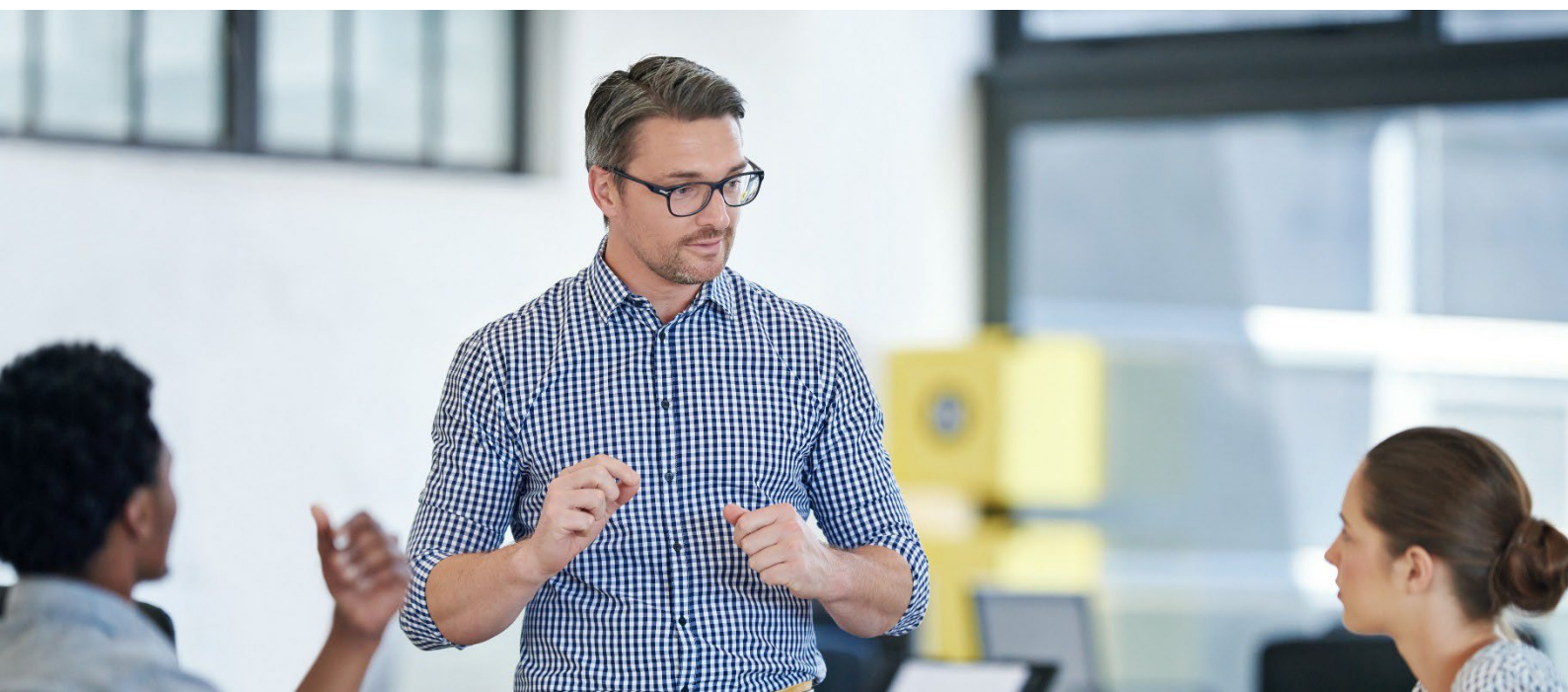


IBM Public Sector Solution for Accelerated Application Development for Cloud- Native Applications on Azure

IBM is a world-leader in developing and deploying cloud-native applications that run on industry leading cloud hyperscaler platforms such as Azure. We specialise in the integration of containers, existing hybrid-cloud applications and architectures using enablement tools from Azure and other vendors to provide best in class performance, reliability and security.





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IBM Accelerated Application Development for Cloud-Native Applications on Azure



Service Overview

Features	• Design, build, test, implementation of cloud-native applications on Azure • Design, implementation of integration including Azure ExpressRoute, Azure API Management • Leveraging microservices with serverless and container based OpenShift or Kubernetes infrastructure • Rapid ideation & definition of MVP using Design Thinking approaches • IBM Garage Method for Cloud based on Agile DevSecOps principles • Experience based reference architectures & patterns using Azure Architecture Framework • Large scale, Azure build factories, including agile at scale, SAFe • DevOps open source pipelines for Continuous Integration, Continuous Deployment (CI/CD) • Enterprise implementation of DevSecOps practices & governance • Service Integration and Management services (SIAM), IT Service management (ITSM) • Leveraging the best of GenAI, ITIL, Agile, LEAN and DevOps disciplines • Delivery includes IBM and third party GenAI capabilities such as IBM Watsonx, Amazon Bedrock, Microsoft Copilot, a range of assistants and developer tools including IBM Sidekick/Consulting Assistant, ChatGPT, Amazon Q and a range of LLMs.
Benefits	• Create highly scalable, reliable and secure Cloud-native services and applications • Quicker delivery – accelerated application transformation plus cloud engineering • Reduced project and on-going infrastructure and operations costs • Fast starter-UK Government specific expertise creating DevSecOps pipelines • Improved application availability and operability • Enhanced solutions through depth of expertise surrounding large SME supply-chain • IBM Garage Method for Cloud accelerates hybrid cloud build, deployment • Improved Cloud Economics, flexible and scalable applications delivered on cloud • Flexibility, Productivity and Agility of containers and container orchestration • Leveraging the best of ITIL, Agile, LEAN and DevOps disciplines

Key
Differentiators

- Red Hat Openshift - Enterprise-grade, container-based platform with no vendor lock-in
- IBM Garage Method for Cloud accelerates hybrid cloud deployment
- Enhanced solutions through depth of expertise surrounding large SME supply-chain
- Accelerated application development/delivery effort with containers and container orchestration
- IBM Watsonx included three core components and a set of AI assistants to help sale and accelerate the impact of AI with trusted data across your business.

IBM Accelerated Application Development for Cloud-Native Applications on Azure

Addressing Business Needs

We work in partnership with you to address your business needs, leveraging our deep industry and technical expertise, tools, and approach to deliver Digital ready solutions for a range of business needs.

IBM's Accelerated Application Development for Cloud-Native applications on Azure accelerates the creation of a future-ready business, optimising cost and reducing technical debt.

IBM provides the skills, methods and tooling to modernise legacy and mainframe applications, aligns IT with business requirements, reduces operating costs to free up capital for innovation and enhances the overall application security posture.

How do we accelerate the development of cloud-native applications on Azure?

Our Clients often struggle with a lack of deep applications and cloud services knowledge, capabilities and tools which impacts their ability to successfully create and modernise applications.

IBM can help you to accelerate your application development from legacy to cloud-native with a range of IBM's AI and market leading application modernisation services such as microservices, IoT, cognitive, social media integration and blockchain.

Cloud security-enablement based on industry- leading practices, regulations, and compliances.

Speed of modernisation is not keeping up with business objectives

Our Clients face challenges with scalability as the complexity of their application landscape prevents them from integrating old and new.

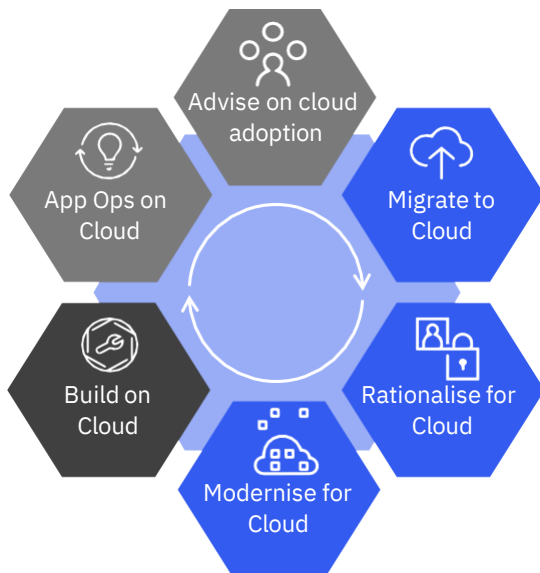
IBM provides needed skills and demonstrates new ways of working by co-creating, co-executing and co-operating with client teams. Our modernisation approach can efficiently transform applications to cloud-native applications and data to enable customer-centric innovation and deliver exceptional client experiences.



IBM Accelerated Application Development for Cloud-Native Applications on Azure

Service Definition

We provide a full cloud-native accelerated application development service that drives value from your journey to the cloud



Cloud-native application development on Azure

Cloud-native application development on Azure integrating AI, IoT, Data and Insights components and services.

Developing cloud-native applications on Azure involves:

- Rapid ideation & definition of an MVP using Design Thinking, co-creating and evolving to distributed agile application development at scale.
- Use of experience-based reference architectures and design patterns covering multiple cloud scenarios
- Integration of enterprise subsystems and best of breed external services to generate higher quality user experiences and outcomes
- Enterprise implementation of DevSecOps practices and governance with built-in instrumentation for manage
- End to end testing including functional, security, performance, and operations

An efficient Factory approach is used to accelerate the application development using the IBM Garage Method for Cloud and the associated acceleration automation toolsets.

IBM Accelerated Application Development for Cloud-Native Applications on Azure

IBM Approach



We bring the benefit of having worked with the world's largest organisations, transforming complex, critical services. Our approach is based on robust methods, processes and personalised engagement.

We focus on your business needs and developing trusted long-term relationships, underpinned by industry-leading experience and capabilities. We want you to get the best out of every engagement and to deliver outcomes that matter for your organisation.

Our enhanced experience of accelerated cloud-native application development on Azure combined with our deep technical expertise enables us to meet all your cloud transformation needs now and in the future.

IBM Garage Method for Cloud enables the development of digital, cloud-native application on open technology stack using one or more cloud platforms for a rapid time to market, business aligned co-creation, cost efficient realisation and creation of ready to scale apps.



IBM Garage Method for Cloud
More information on the IBM Garage
Method for Cloud is available at
ibm.com/garage

IBM Accelerated Application Development for Cloud-Native Applications on Azure



IBM Approach

Why IBM?

IBM are partners with Azure as a Global Gold Partner and Cloud Solution Provider.

The principles of how we think and act in our delivery to clients include:

- Building long-term client relationships based on innovation, trust and service excellence
- Using Design Thinking and agile approaches to help frame and execute our client's change programs
- Infusing cognition and emerging technologies into our clients' enterprises and core processes
- Exploiting hybrid multi-cloud-based solutions to underpin evolving client processes
- Developing and deploying world-class talent
- Using consistent, modern methods and tools – constantly reviewing and refining to accelerate the value we deliver
- The ability to thrive and succeed in engagements driven by globally dispersed, multi-disciplined teams using our suite of collaboration tools is at our core.

IBM Accelerated Application Development for Cloud-Native Applications on Azure Innovation



Garage Method for Cloud

The IBM Garage Method for Cloud™ is a collection of practices and workflows that have been curated to help organisations rapidly design, build, deploy, and scale innovative solutions.

The Method uses Enterprise Design Thinking, Lean Startup, and agile DevOps concepts to enable continuous design, delivery, and validation of new functionality.

We co-create, co-execute, and co-operate with you to embed a high-performance culture, innovate by design with speed, and scale from MVP to industrial strength to deliver:

- Up to 75% reduction in design time
- Up to 33% improvement in time to deploy MVPs
- Up to 2x faster delivery of new applications to market

Garage Method for Cloud Toolkit

The IBM Garage Method for Cloud toolkit is a suite of integrated tools and assets with a scalable, flexible architecture supported by an analytics engine and automation that helps our clients accelerate their AWS transformation journey.

This toolkit supports our client's cloud transformation journey by the acceleration of cloud adoption with automation for greater efficiency and deeper analytical insights for improved decision-making ability, delivering benefits such as:

- Up to 40% reduction in time and effort to process new sources of information.
- Up to 25% reduction in errors from manual activities related to migration.
- Up to 25% reduction in time and effort required for migration activities.

IBM Accelerated Application Development for Cloud-Native Applications on Azure Value from Accelerated Cloud-Native Application Development



IBM Services can help to accelerate innovation, achieve faster time-to-market and drive revenue growth.

Deploy faster - Provide a superior customer experience, deployable on any cloud improving your time to market.

Reduce defects and speed time to market.

Automate - IBM Automation with Watson can reduce app management costs.

Change culture and embed new capabilities - Modernise your workforce and introduce new ways of working through the IBM Garage Method for Cloud, eliminating application defects.

Enhanced solutions through depth of expertise surrounding large SME supply-chain

Innovate while balancing speed-to delivery, cost and risk - Optimise the application development process utilising IBM's unique, tools reducing your total cost to develop new applications.

Fast starter - UK Government specific expertise creating DevOps pipelines.



About IBM

Supporting Government

We help government organisations in the UK and worldwide deliver and transform essential public services – our teams are passionate and proud about helping you to make a real difference to people’s lives.

Government Services Supported by IBM

	Defence and Intelligence
	Public Safety and Policing
	Healthcare
	Life Sciences
	Tax and Revenue Management
	National Infrastructure
	Social Care
	Education
	Works and Pensions
	
	

The problems we solve for clients are complex and cannot be satisfied with technology alone. They require a partner that can also offer deep industry expertise and a relationship of trust.

IBM combines the portfolio, people and sense of purpose necessary to meet today’s enterprise demands. Every day, we support and manage complex delivery for government clients where the impact of delivery has wide-reaching impact on citizens and national services.

We bring access to the industry experience, insight and technology capability to deliver and operate secure, scalable, optimised and available services for government.

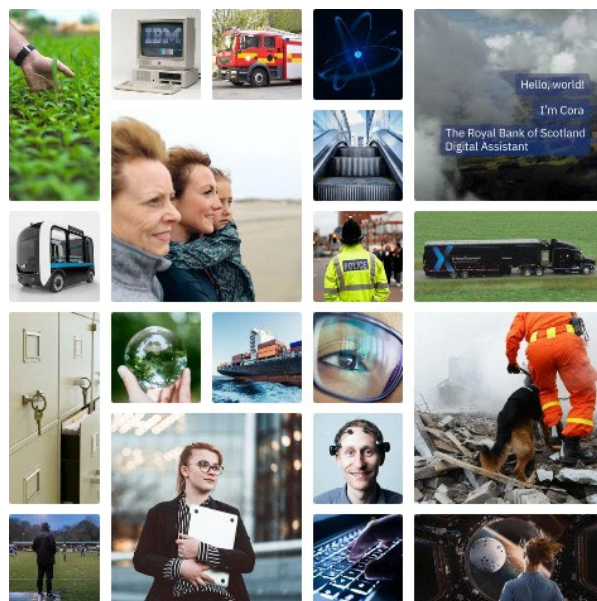
We support you by bringing:

- Industry expertise – Professionals who understand and are passionate about delivering quality public services and can bring industry insights and apply innovation to your business processes
- Trust and security capabilities – Protecting valuable data and insights and deploying new innovations responsibly
- Innovative technology – Expertise in areas such as AI, blockchain, 5G, Automation, IoT, cybersecurity and quantum, delivered in a Hybrid Cloud environment
- Experienced Services professionals to support strategy, innovation and deliver transformation and change to processes, applications, and cloud infrastructure
- Global alliances – valuable partnerships with the world’s leading vendors

About IBM

This is IBM in the UK

We have worked together with organisations in the UK for over 100 years, with a rich history of joint innovation and achievements, built on trusted relationships.



Cloud

Together, IBM and Red Hat are working to deliver the world's only **next-generation hybrid multicloud platform**



Economy

IBM has been **integral to the UK economy for >100 years**, and is one of its largest tech employers



R&D

In the UK alone, IBM **invests £170 million in R&D** each year



Quantum

IBM Q, **the world's most advanced quantum computing initiative for commercial use**, is being used by CERN



Environment

IBM's **focus on sustainability** began in 1971 with our first environmental policy



Changing the world

IBM was awarded **World Changing Company of the Year 2019** by Fast Company



Royal recognition

29 UK IBMers received **honours from the Queen** for contributions to tech and society



Diversity

IBM **won the Global Diversity Award 2019** and the ENEI's **Gold Standard**



Graduates

IBM is committed to developing future talent – we are Target Jobs' **Graduate Employer of the Year 2019**



Volunteering

IBM dedicates **>20,000 volunteering hours every year** for a better society



Tech talent

IBM runs P-TECH schools in 18 countries, helping **>100,000 students build skills for careers of the future**



Inventors

IBM UK is home to many Master Inventors, with **>250 patents filed last year alone**

We are Here to Help

This document provides an overview of our service with context about how our services can support you and how we work. You can also find out more about us and our work at ibm.com.

However, every organisation faces unique challenges and our specialists are available to answer your questions and discuss how our services can be tailored to your needs. You can reach us by email, and we are here to help.

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www.ibm.com