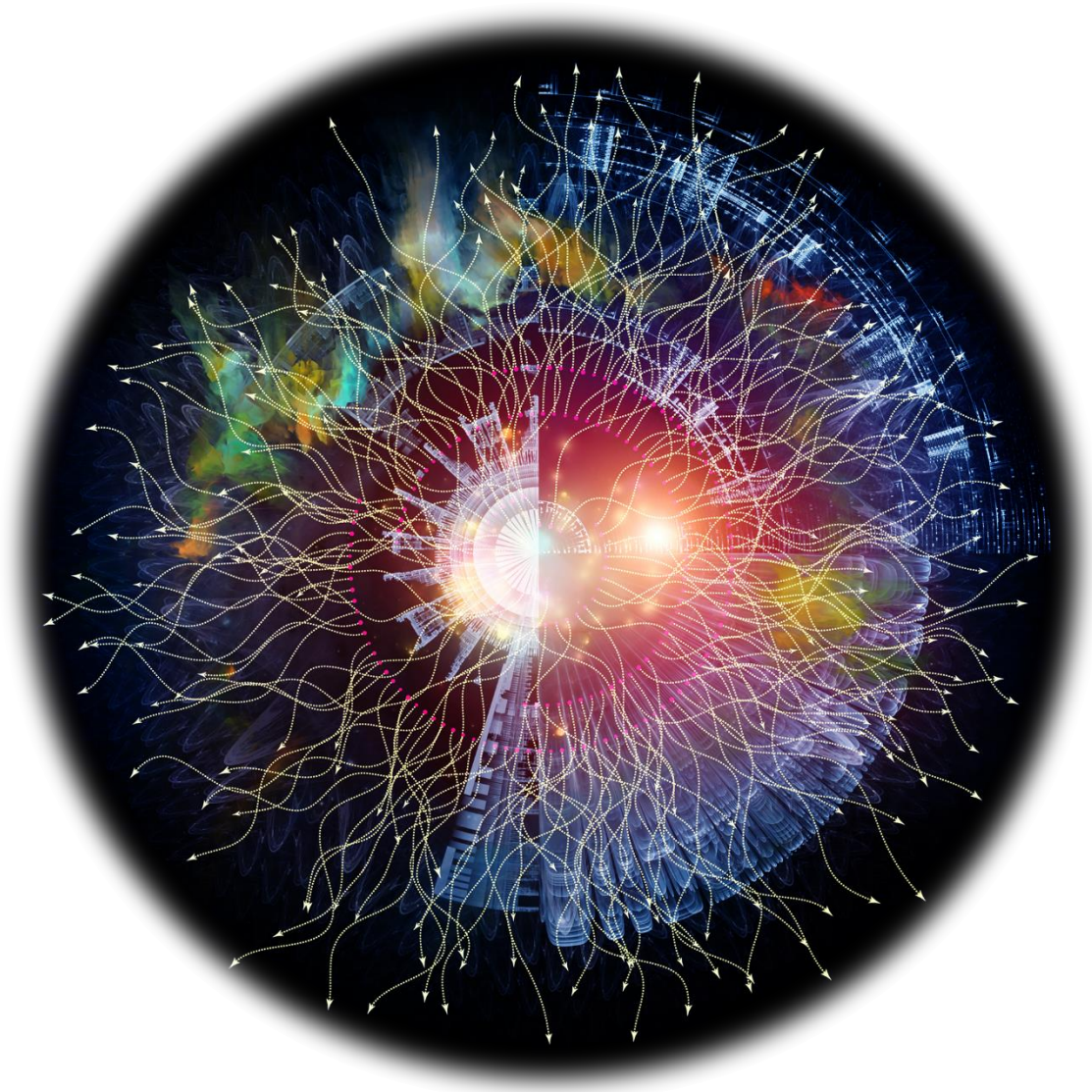




Cloud Test Automation

G-Cloud 15 Service Definition Document

January 2026

Contents

1	Deloitte Overview	1
2	Service Overview	3
3	Detailed Service Description	5
4	Contact Details	8

1 Deloitte Overview

As a leader in professional services, Deloitte LLP is committed to making an impact to our clients, our people and for society. We have over 27,000 staff based across the UK providing audit, risk advisory, tax, consulting, financial advisory and legal services to public and private clients across multiple industries. We work together to build trust, support inclusive growth, and build capability, enabled by our **breadth and depth of expertise across advisory, delivery, engineering and managed services.**

Our **public sector practice** serves Central Government, Government Agencies, Local & Regional Government, Defence, Security and Justice, Health and Social Care, Transport, Education and Housing. We also provide services to the Northern Ireland Office, Scottish Government, Welsh Government and Crown Dependencies.

Our Cloud Capability

At Deloitte, we help our clients **Imagine, Deliver** and **Run** the businesses of the future through the power of **Cloud**. We have deep Cloud architecture, engineering, operational, commercial, and business transformation expertise delivered by a team of more than 26,000 Cloud Practitioners globally. We have delivered over 2,000 cloud implementations over the past 5 years and have 60+ cloud centres of excellence supporting the delivery of cloud services to our clients.

In the UK, we have a team of over 100 Cloud managed service specialists plus the following certifications across AWS, Microsoft Azure, Google Cloud and Oracle Cloud Infrastructure (OCI):



We help our clients with all aspects of their journey-to-cloud and optimisation of their cloud and cloud-services investments. Our Cloud practice can support you to optimise your client investments, and to navigate your organisations cloud journey, providing specialist cloud architecture, engineering, and operational skills at all stages, with a large proportion of our team holding the clearances required to meet your specific security requirements.

Our AI Capability

Deloitte stands at the forefront of AI transformation and was recognised as a Leader in the 2025 IDC MarketScape for Artificial Intelligence (AI) services for the fourth consecutive time. Supported by a £3 billion investment in AI, Data, Automation, Cloud, and Cyber, we seamlessly integrate our deep AI expertise with our extensive cloud capabilities. Our UK team is part of 339K AI-fluent practitioners globally, and includes over 1,300 AI specialists and engineers, many of whom hold the necessary security clearances for public sector delivery.

Through the Deloitte AI Institute, our hub for cutting-edge research and innovation, and strategic alliances with leading hyperscalers, we empower public sector clients to optimise costs, streamline processes, and navigate their AI journey. We achieve this by leveraging our ReadyAI™ models, which provide end-to-end support for AI solution implementation, and our Trustworthy AI™ framework, ensuring responsible and ethical deployment.

Our alliances & ecosystems

To bring full value to our clients, Deloitte is a premier consulting partner with all the leading hyper-scale cloud vendors in the market including AWS, Google, Microsoft¹, Google and SAP. A selection of our partners and alliances are presented below:



What the analysts say

Don't just take our word for it. Deloitte is recognised by the analyst community as being **leaders in cloud transformation services**. This reflects the wealth of experience we have in delivering cloud services across the public sector and wider private sector combined with our out-of-the-box templates, tools and assets.

Gartner

Originating in 2021, Deloitte has been recognised as a Leader in this category for four years in a row. Deloitte was also positioned as a Leader in the **Gartner Magic Quadrant for Public Cloud Infrastructure Professional and Managed Services, Worldwide** in 2021, 2020 and 2019, the previous form of this category.

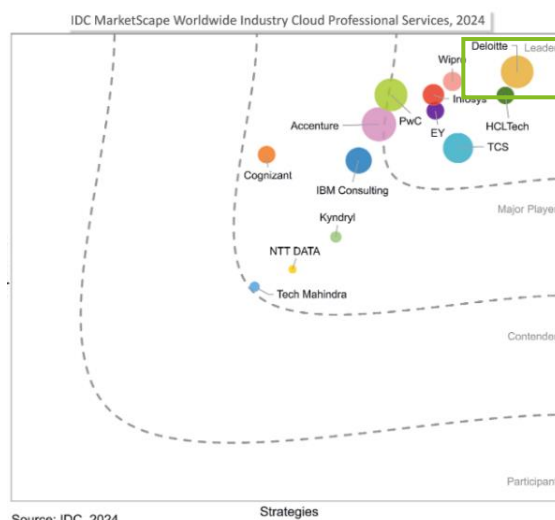


Gartner

Gartner: Magic Quadrant for Public Cloud IT Transformation Services. © Gartner inc. 2025

IDC

Deloitte has been awarded Leader status in the **IDC MarketScape: Worldwide Industry Cloud Professional Services 2024** Vendor Assessment. We have also been recognised as Leaders in **Hybrid IT Consulting & Integration Services** and **Software Engineering Services**.



Source: IDC, 2024

IDC MarketScape: Worldwide Industry Cloud Professional Services Vendor Assessment © IDC inc. 2024

Cloud Transformation

Transform Faster, Transform Smarter

Deloitte's Cloud Transformation can fast-forward your journey to the Cloud, unlocking innovation, efficiency, and growth.

[Find out more here](#)



¹ As Microsoft's Independent Auditor, Deloitte cannot have a direct or material indirect business relationship with Microsoft, such as having an alliance or being a registered partner. Nonetheless, Deloitte can provide Microsoft-related technology services and invests heavily across its global business building technical skills and capabilities to develop world-class consulting and solution delivery capabilities.

2 Service Overview

Deloitte has an Automation testing capability which brings customer return on investment that can be realised throughout multiple test cycles. We have an experienced test team which uses best practices and wide use of open-source tooling ideal for government deliveries. Our Automation team has invested in people who can deliver a much-needed capability, from a User Interface, API and mobile perspective.

Who would benefit from using this service

- Organisations wishing to leverage a reusable code base within a defined regression pack.
- Cost saving projects wishing to realise the benefit of using proof of concept, moving to proof of value.
- Delivery teams who need to execute tests on-demand or schedule using CI/CD pipeline as part of roll out.
- Cloud based architectures utilising multiple virtual environments to push code into production.
- Transformations where integrating legacy applications using micro services and APIs are key to the delivery.
- Agile deliveries that make use of multi-disciplined teams to roll out code.
- Organisations who require mobile testing capabilities and need to re-use the same automated test scripts across multiple mobile operating systems.

Features/Benefits

- Effective test reports validating the code base with overnight batch runs.
- A consistent and reliable automated test suite that reduces the manual overhead and provides accurate repeatable results.
- Re-use of Test Automation code bringing significant ROI.
- A fully featured test framework to allow for scripts to be parametrised and executed in parallel reducing the scale of effort and time required.
- An Automated regression test pack provides quality assurance for incremental releases.
- Automation enables bringing deliveries to market earlier than traditional manual execution.
- Ability to test on multiple environments.
- Ability to automate the testing of UI, API and Mobile applications.
- Integrating Automation services into CI/CD pipelines creating significant efficiencies by reducing manual overheads.
- Rapid feedback on quality of deliveries through Automated Test Reports allows management to make clear, concise decisions.
- Providing logging for Root Cause Analysis of defects identified through automation.

Example Scenarios

- An organisation amidst a digital transformation, faces the challenge of integrating legacy systems with a new platform. Deloitte's Automation services will efficiently validate integration services (APIs) before their integration with legacy applications. Our team will employ automated testing to ensure that APIs function correctly, adhere to specifications, and seamlessly communicate with other components. By automating the testing process, Deloitte will significantly reduce the time required for validation and decrease the time to

market for the product under development. Manual testing would prove time-consuming and error-prone. Automation allows for rapid execution of test cases, enabling quicker feedback and faster delivery.

- An organisation responsible for delivering a web application is facing significant delays and has a constrained budget for development and testing. The current team comprises both developers and business analysts, but their testing capacity is limited. Deloitte will assess the feasibility of an automation proof of concept. Upon business acceptance, this concept will transition to a proof of value, facilitating incremental validation of deployed code. These accelerators encompass both User Interface and Mobile test automation, customisable for potential users' devices. Implementing this suite will significantly impact project assessments and reporting metrics.

3 Detailed Service Description

The pace at which organisations look to uplift their software infrastructure continues to be a challenge for both client and vendors. These improvements mean significant returns on investment for the client when done well; and bringing the right team together will always be a significant factor in realising these benefits from both a monetary and a service offering. At Deloitte we have been at the forefront of software implementations and have developed robust techniques to ensure that the Software Delivery Lifecycle is well catered for from a quality and assurance test perspective.

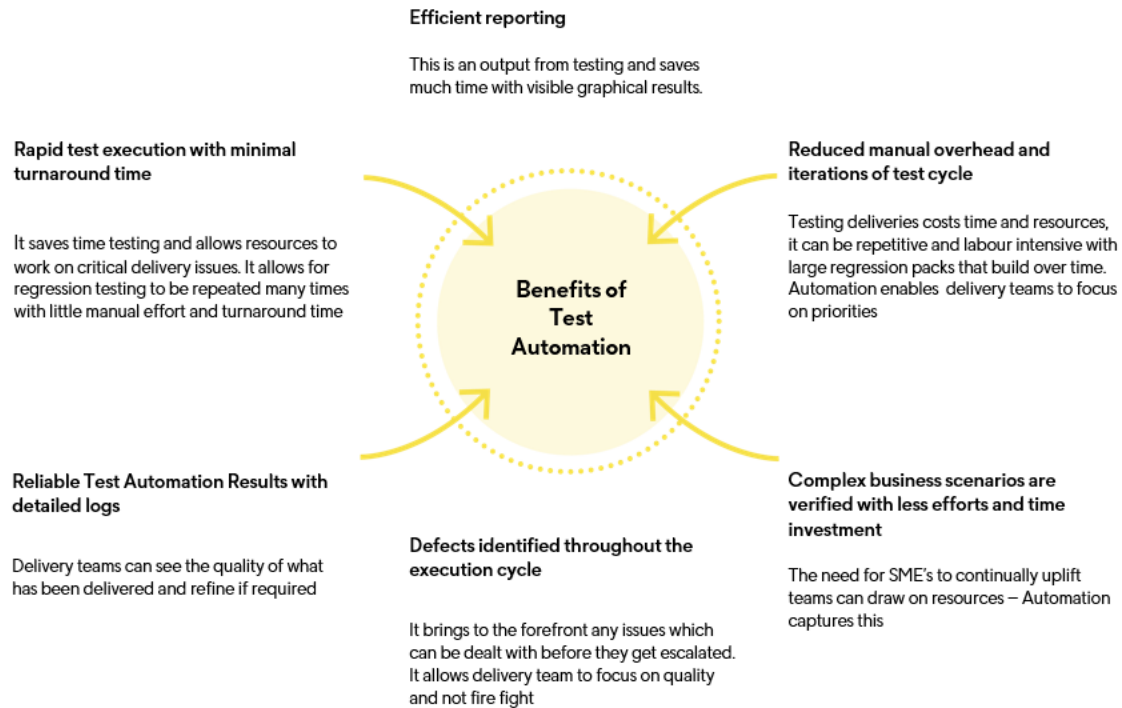
Deloitte has invested in both its people and technical ability to ensure that our offerings are linked to the latest and most trusted test ability with Gartner as a benchmark to give our customers confidence they are in good hands. Automation has played a pivotal role in delivering quality to test capabilities and we have grown this capability both in the public and private sector. Our close relationships with government organisations mean that we have a deep insight into the needs of our customers to ensure we deliver a robust, re-usable automation capability which the customer can rely on within their own teams or as part of our well-established partner service offerings.

Virtual architectures have become more common amongst new deliveries where software is also being offered as cloud-based service moving away from on-premises platforms. Our test capabilities cater for government standards using open-source software packages to test applications and can cater for both virtual and on-premises platforms. Deloitte makes use of open-source code repositories which have formed the standard of many government deliveries. This drive has come from our clients' needs where government organisations have had a desire to move to both open-source and serverless capabilities. At Deloitte we look to the future with tooling to ensure technology and capability go hand in hand.

Deloitte's cloud application testing services embed into cross-functional teams to provide technical testing solutions for a wide range of application types including serverless, event-driven and data intensive applications. We specialise in automating tests to cover user interface (UI), application programming interface (API) and unit level tests. Deloitte's Quality Assurance team creates test automation suites for functional and non-functional checks across the cloud application stack. Our mobile testing capability draws on the same technical expertise where both operating systems and browsers are the focus of attention. Deloitte understands that some functions are device specific, and we deliver quality assurance for our clients by ensuring these hardware-specific requirements are covered for the mobile application being deployed.

Mobile application testing forms a significant part of most government deliveries and at Deloitte we make use of our technical ability to ensure that mobile applications are fit for purpose and provide automated reporting feedback for project teams to make key decisions. Deloitte's mobile testing practice is an integral part of our quality and test automation service.

Our dedicated technical teams can integrate these tests into Continuous Integration / Continuous Delivery (CI/CD) pipelines for rapid feedback to delivery teams, allowing deliveries to move at pace with a fast feedback loop.



User Interface

At Deloitte, our approach to user interface testing ensures that we cover all bases for our clients. With our component-based approach, our automation test teams ensure that we are closely aligned to development teams' ways of working focussing primarily on agile methodology and, where appropriate, helping to uplift teams with a blended approach.

Our test approach makes use of CI/CD pipelines to ensure that automated application testing is both efficient and repeatable. With User Interface automated tests, we make use of open-source toolsets and libraries which are strongly aligned to government agencies' standards. This has allowed us to deliver confidence in the quality of software in a cloud-based environment where multiple Virtual Machines are used through the Software Development Lifecycle. Deloitte's focus on open-source software means that we have access to a vast array of libraries which are widely used in government projects. This dovetails well into the ethics of reduced overheads both in terms of cost and time and ultimately translates to a lower carbon footprint. Deloitte's investment in delivering automated tests for User Interface projects has grown substantially meaning that our wealth of knowledge and expertise has benefitted many organisations and has seen real returns within the government sector.

Application Programming Interface

Deloitte's Integration approach drives efficiency and increased adoption levels. We have detailed knowledge of interfaces with a repeatable process of building, testing and integrating with different systems using targeted patterns that ensure quality, performance and security along the way. We work within an automation framework allowing integration tests to be repeatable and decoupled from both the application being developed and the legacy landscape. This provides our clients with the assurance that the integrations being developed are robust and conform to agreed integration contracts. Our test ability with integration testing, specifically validating the agreed integration contract, has enabled faster turnaround of often very complex code bases that are required to work across the application landscape. There has been a consistent challenge to drive testing forwards in the integrations space and we have overcome these project dilemmas by effectively speeding up the delivery process and identifying issues earlier in the integration lifecycle. This is in part due to a resourceful technical team that have identified how to overcome these challenges and benefit our clients' deliveries, reducing overall cost and providing real return on investment. Project timelines have also been positively impacted by our automated contract testing on the integration layer which is the bridge between both the new system being deployed and the existing legacy landscape.

Deloitte's technical test team are constantly looking to drive new improvements and efficiencies which would benefit our clients. One such technique incorporates the use of simulators to process and send data to APIs. This mimics how the systems communicate with each other and makes use of data sets which target the agreed integration contract. Using simulators to mimic systems behaviour we can quickly identify defects and issues that would impact the system even before having all components deployed in a fully integrated System Integration Testing (SIT) environment.

This improves the delivery lifecycle by enabling robust developments to be integrated and has a positive impact on the overall delivery timeline. The integration defects we have identified have had a positive impact on the applications being developed, changes required to the existing legacy landscape and migrated data.

We integrate our automated API tests into CI/CD pipelines so that any new changes being made to the integration layer are tested before they are deployed into a fully integrated environment, thus flagging issues before they have an impact. Our technical test teams effectively decouple the applications allowing the integration layer to be tested independently. This has been seen on multiple government programmes where we have integrated our contract tests as part of the CI/CD pipeline, producing automated reports to validate the integration layer before moving to a fully integrated environment. This technique ultimately reduces the overall cost of the projects from both an initial deployment and from incremental releases thereafter.

Mobile Automation Testing

In this current climate of widely available handheld devices, organisations have had an increasing drive to deliver technology-based applications to cater for the wider public. This need has focused many organisations to direct their application offerings to ensure compatibility with mobile devices. Mobile applications tend to have a quicker turnaround in terms of new features and upgrades and with this in mind there has been a need to quality test mobile applications with a greater focus on more frequent and shorter delivery cycles.

Deloitte has been at the forefront of mobile test automation on mobile devices which can be seen from the widely publicised and acclaimed 'Test and Trace' programme where we worked with government departments to roll out mobile testing via handheld devices for both the public and government.

At Deloitte we have a track record in ensuring our organisations are in safe hands and we have developed a robust framework to deliver mobile test automation capabilities with well-established technologies working across government organisations in a seamless delivery capacity.

Deloitte's quality and test engineers have developed and implemented automated test frameworks based on robust cloud mobile testing platforms such as Browserstack and Sauce Labs, which are cost-efficient as it eliminates the need to maintain a physical device library. To complement these frameworks, we have combined additional cloud-based tools and technologies to ensure our mobile test automation services integrate and communicate effectively in the existing application landscape.

Deloitte's mobile automation test frameworks have been designed to support a variety of digital platforms such as iOS Mobile app, Android Mobile app, Web portals and back-end APIs. This has provided a solid backbone for mobile test architecture. Deloitte's technical test teams take a modular approach which can be built on providing a robust platform in which to test and grow automation assets. This allows us to ensure the clients' mobile test capability is highly maintainable and scalable. We work across teams, and it's pivotal that our mobile automation test frameworks are independent and self-sufficient allowing both developers and testers to utilise them. This ultimately reduces the overhead for manually testing components being produced.

4 Contact Details

Please send your requirement to publicsectorbidteam@deloitte.co.uk. Alternatively, if you wish to discuss your requirements in more detail, please send us the following information and we will be happy to contact you:

- Your organisation name
- The name of this service
- Your name and contact details
- A brief description of your business situation
- Your preferred timescales for starting the work.



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