

Azure Application Testing and QE Services



Why customers choose Kyndryl with Microsoft

Our Customers

We work in partnership with thousands of customers, dedicated to ensuring that each achieves its peak digital performance

>4,000

global
customers

Including

of the Fortune
100; more than
half of the Fortune
500

~60%

Providing undisputed leadership



6.1M mainframe
installed MIPS



3.5M LAN
ports managed



300K network
devices managed



5,200+ WAN
devices managed



67K+ VMware
systems managed



14K+ SAP
instances managed



3.5+ exabytes of customer
data backed up annually

Modernizing and managing the world's mission-critical systems

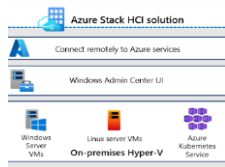
Enterprise AI Services



Azure VMware
Solution (AVS)



Mainframe
Modernization



Azure Stack
HCI + ARC

SAP on Azure



Digital Workplace
Services (DWS)



Cyber Incident
Recovery



Kyndryl Services



Cloud

Delivering seamless advisory, migration, modernization, and management services integrated with Microsoft Cloud



Core Enterprise & zCloud

Manage mission-critical workloads seamlessly by modernizing mainframes to handle high-volume, always-on computing with Microsoft AI Cloud



Digital Workplace

Accelerate hybrid work and enable collaboration from anywhere with strategy, design, architecture and implementation of Copilot for M365



Application, Data & AI

Providing full application platform hosting and expert assistance for application modernization and GenAI on Microsoft Azure



Network & Edge

Provides unified Network Services for Microsoft Cloud and data center connectivity



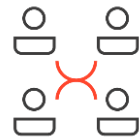
Security & Resiliency

Providing full application platform hosting and expert assistance for application modernization

Kyndryl advances the vital systems that power progress



Kyndryl brings talent, expertise, and a proven service design to help you co-create solutions that deliver innovative customer experiences



Rich experience and deep expertise through our **people**, best-practice **frameworks** & **IP**



Reliable services across hybrid/multicloud environments with **minimal business disruption**



Innovate with **Kyndryl Bridge** digital integrations & co-create with designer-led **Kyndryl Vital** teams

kyndryl bridge

An open integration platform delivering IT solutions by leveraging Kyndryl's core strengths, data-driven insights and expertise

kyndryl vital

Our designer-led co-creation experience that brings partners and customers together to solve complex business problems

Kyndryl offers an integrated portfolio of services to help you unlock the full value of your applications



Application Testing for efficiency and growth

Testing of Apps Migration/Modernization, or new Development, or live in Production

Key goals

- Enhanced Efficiency: Automation of monotonous tasks
- Improved Scalability: Test cases executed 24 hours a day
- Increased Test Coverage: QA testers covering an extensive range of scenarios
- Reduced Time-to-Market: Accelerating development / release cycles
- Consistency and Cost-effective: Tests executed same way every time, ensuring consistency & reducing costs

Your challenges

- Complex, high-cost legacy infrastructure and networks
- Skilled resources
- Test plan and artifacts management
- Reusability of test scenarios / test cases
- Selection of automation tools
- Insufficient automation



How Kyndryl helps you

- Automation expertise to simplify the automation of application testing
- Increased coverage of the testing scenarios
- Reusability of test scripts
- Execution of automation tools
- Staffing flexibility and access to varied test skills
- Insightful analytics and feedback
- Increased return-on-investment (ROI)

Wherever you are on your digital transformation journey, we'll meet you there

Kyndryl offers solutions to address common application testing automation challenges

Experts in delivering

application testing
automation projects of
various sizes and
complexities across cloud
and hybrid environments

Consistent and repeatable

delivery experience
derived from expertise in
executing similar projects
utilizing standard and
repeatable processes

Broad range of technologies and tools

to deliver client
engagements, including
cloud-native and third
party



Thought leadership and innovation to

solve customer
challenges based on
numerous client
engagements
delivered

Agile delivery and continuous improvement to

maximize lessons
learned, minimize risks
and manage costs

Cloud-first apps demand cloud-native testing strategies

Built-in Azure testing services shorten set-up time and give real-time insight across every release stage.

Organizations are adopting Azure testing tools to better respond to:

- Cloud migration mandates that require elastic, pay-as-you-go test capacity
- The need for end-to-end visibility across DevOps pipelines
- Built-in security and compliance controls that reduce audit risk and protect data





Kyndryl's testing services deliver full-spectrum coverage across the Azure ecosystem—helping you accelerate releases, improve quality and reduce tool complexity, no matter where you are in your cloud journey.

kyndryl.

Full-spectrum testing services for the Azure ecosystem

Fast, secure, and scalable testing across the entire Azure application life cycle

Meet testing needs across every Azure workload

- Simplify testing with deep integration into Azure DevOps and native services like Playwright, Load Testing and Chaos Studio
- Accelerate release cycles with built-in test orchestration, versioning and diagnostics
- Improve quality with test automation across UI, API, performance, security, accessibility and compliance
- Reduce tool sprawl by replacing fragmented testing pipelines with Azure-native observability and analytics
- Ensure coverage for hybrid and cloud-native architectures, including AKS, App Service and serverless apps
- Scale elastically to match changing workloads, environments and release cadences

Kyndryl supports every stage of your Azure application testing life cycle



Functional and non-functional testing

Validate application behavior, reliability and failure response across scenarios



Security, accessibility and compliance testing

Ensure security, accessibility and regulatory compliance in every release



Performance and data testing

Test scalability, speed and stability under peak load conditions



UI and UX testing

Verify cross-platform usability, layout consistency and user experience



API, localization and internationalization testing

Validate API functionality, translations and region-specific content delivery

Functional and non-functional testing

- We validate core workflows through automated testing and ensure applications work reliably across platforms and devices
- We simulate failure conditions, such as outages and resource limits, to test resilience, uncover risks and improve system stability
- Whether migrating, modernizing or building new, we ensure quality and performance every step of the way

Use cases

- Functional testing
- Fault injection
- Dependency failure experiment
- Resource manipulation experiment
- Network disruption experiment

Azure services used:

- Azure Boards
- Azure Test Plans
- Visual Studio
- Playwright
- Azure Repos
- GitHub Copilot
- Azure Key Vault
- Azure Pipelines
- Azure Artifacts
- Azure Compute Fleet
- Azure Kubernetes Service
- Azure DevTest Labs
- Azure Blob Storage

Customer deliverables:

- Automated functional and regression test strategy with reusable test cases
- Traceability mapping across requirements, tests and defects using Azure Boards
- Fault injection and failure scenario execution using Azure Chaos Studio
- End-to-end test data management and traceability via Azure Boards and Pipelines

Security, accessibility and compliance testing

- Our approach covers dynamic vulnerability scanning, accessibility validation and regulatory alignment integrated into Azure-native pipelines
- This ensures your apps are resilient, inclusive and audit-ready by design

Use cases

- Penetration testing
- Dynamic application security testing (DAST)
- OWASP Top 10 checks
Accessibility validation (WCAG 2.2)
- Compliance testing: SOC 2, ISO 27001, PCI DSS, HIPAA

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Customer deliverables:

- Security testing with dynamic analysis, OWASP top 10 checks and penetration tests
- Accessibility validation aligned with Web Content Accessibility Guidelines (WCAG) 2.2
- Compliance testing mapped to SOC 2, ISO 27001, PCI DSS and HIPAA frameworks
- Traceability and audit reporting through Azure Boards and Pipelines integrations

Performance and data testing

- We help you prove that your Azure-hosted applications can scale and stay fast under any workload
- By combining realistic load profiles, boundary-value scenarios and robust test-data management, we uncover performance limits early and deliver clear guidance to optimize cost, capacity and user experience

Use cases

- Performance test
- Load testing
- Stress testing
- Test data management
- Boundary value
- Error guessing

Azure services used:

- Azure Boards
- Azure Test Plans
- Azure Repos
- GitHub Copilot
- Azure Load Testing
- Azure Key Vault
- Azure Pipelines
- Azure Artifacts
- Azure Compute Fleet
- Azure Kubernetes Service
- Azure DevTest Labs
- Azure Blob Storage

Customer deliverables:

- Performance, load and stress-test design and execution in Azure Load Testing
- High-volume test-data generation and boundary-value coverage for critical transactions
- Real-time telemetry dashboards in Azure Monitor with latency, throughput and resource metrics
- Optimization report with tuning recommendations and cost-performance trade-off analysis

UI and UX testing

- We verify that every screen, click and gesture delivers a seamless experience across browsers, devices and operating systems
- By automating UI flows in Playwright and executing them in Azure-hosted simulators, we quickly surface layout breaks, usability issues and visual regressions so users receive a consistent, high-quality interface everywhere they interact

Use cases

- Cross browser and cross platform testing using simulators
- Automated UI testing
- Mobile OS compatibility testing

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Customer deliverables:

- Automated UI test suite in Playwright integrated with Azure Test Plans
- Cross-browser and cross-platform compatibility matrix with detailed pass-fail results
- Mobile operating system compatibility report with screenshots and performance metrics
- Usability defect dashboard in Azure Boards with prioritized remediation guidance

API, localization and internationalization testing

- We automate functional, contract and performance tests for REST and GraphQL APIs, integrating them directly into Azure pipelines for rapid feedback
- We also verify localization and internationalization by checking language packs, cultural formats and right-to-left layouts—so your applications are ready for global users from day one

Use cases

- Automated API testing
- Localization testing

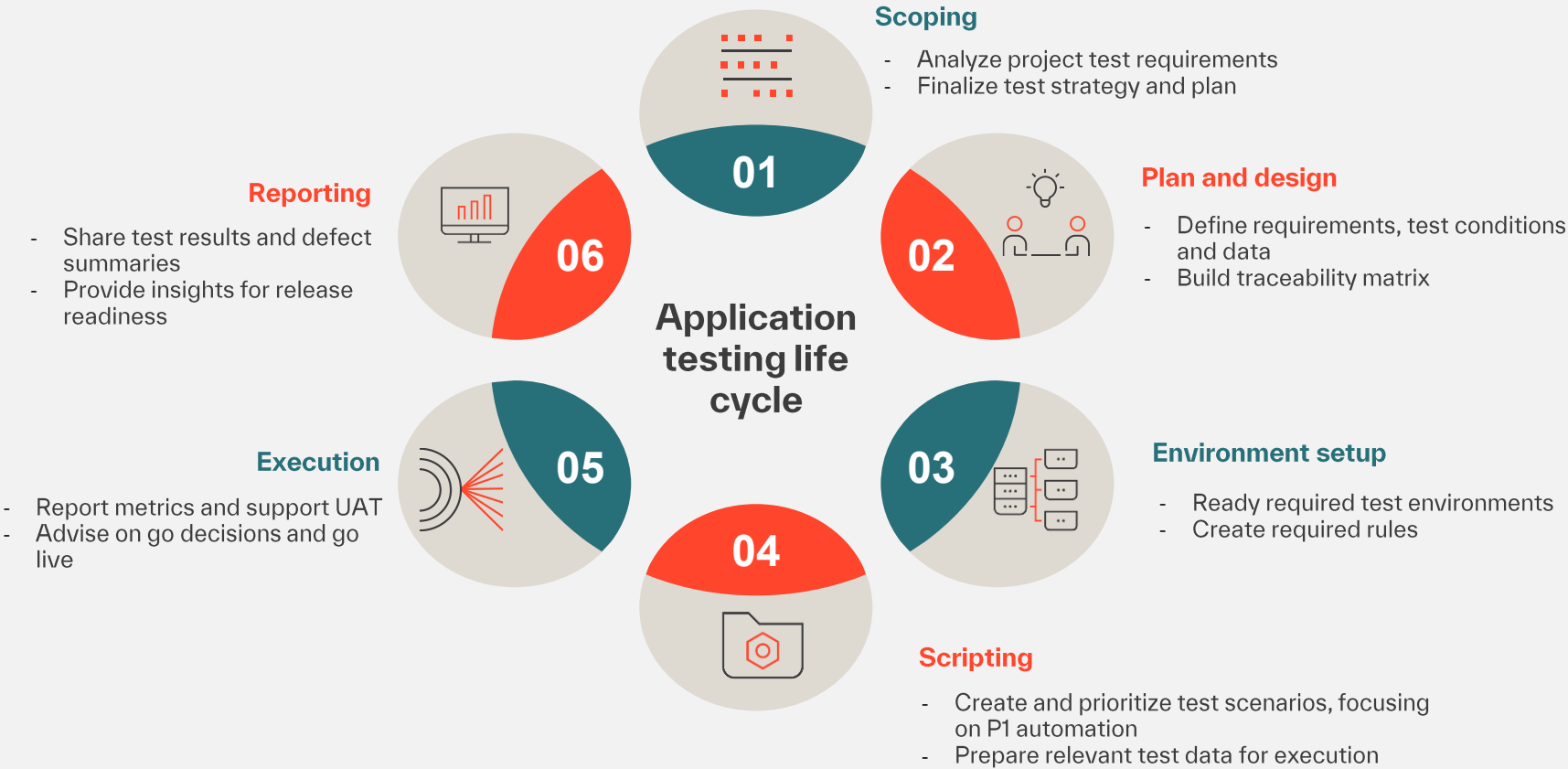
Azure services used:

- Azure Boards
- Azure Test Plans
- Azure API Management
- Azure Load Testing
- Azure Repos
- Azure Pipelines
- Azure Key Vault
- Azure Cognitive Services Translator
- Azure Kubernetes Service
- Azure Blob Storage

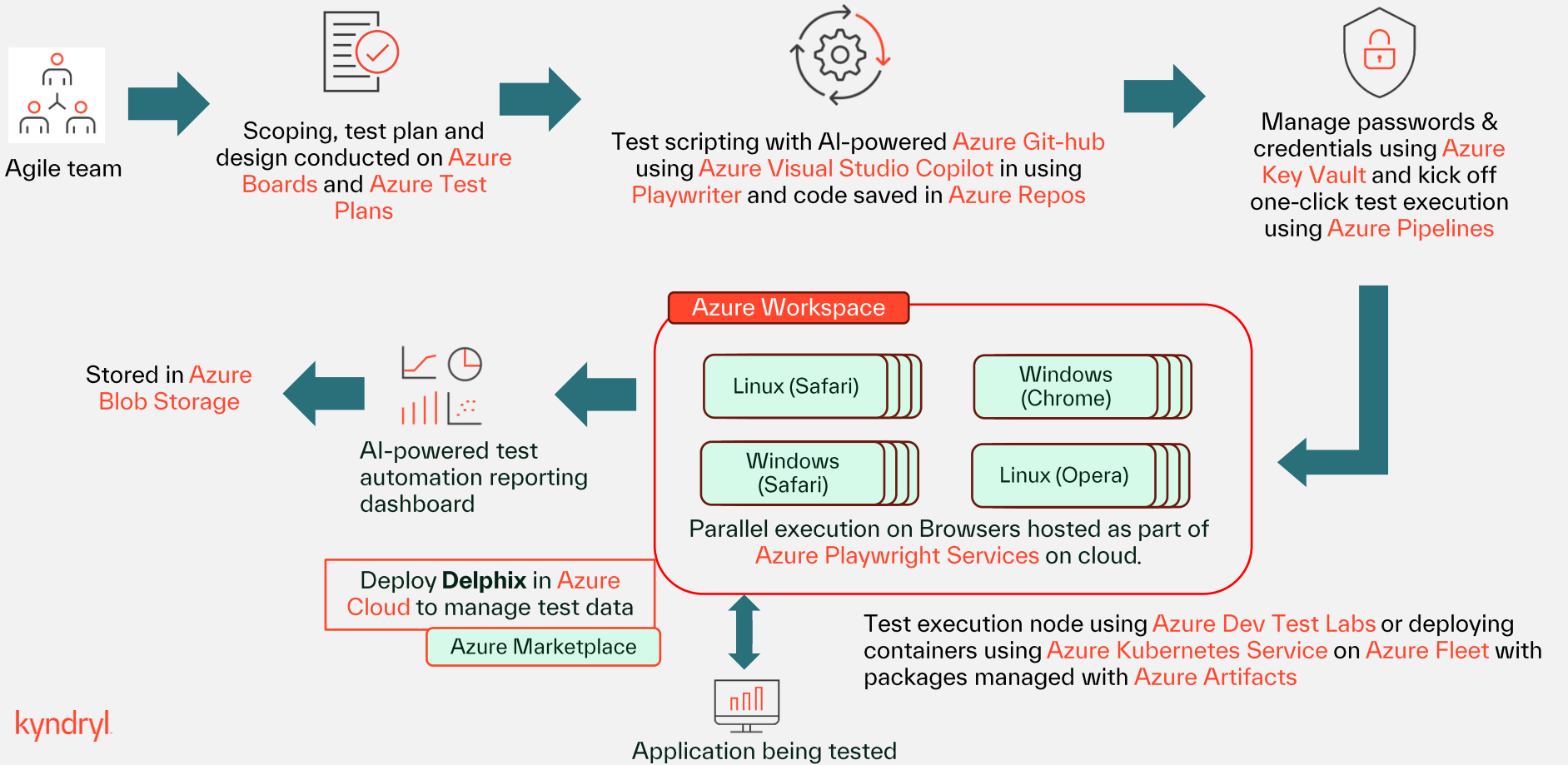
Customer deliverables:

- Automated API test suite in Azure Test Plans with schema and contract validation
- Localization test packs covering strings, dates, currencies and cultural conventions across target locales
- Internationalization readiness assessment for Unicode, encoding and resource-bundle compliance
- Continuous integration and continuous delivery execution with defect dashboards and coverage metrics in Azure Boards

Kyndryl's application testing life cycle activities



Azure Services used in Automated Functional Testing Lifecycle



Benefits of Kyndryl's Azure testing services

We help you accelerate quality assurance, reduce release risk and unlock the full value of Azure-native testing tools across every stage of your application life cycle.



Accelerate testing with built-in Azure tools like Load Testing, Test Plans and Playwright for faster and smarter validation



Ensure governance and audit readiness through integrated traceability, version control and role-based access



Improve quality outcomes with end-to-end test coverage across functional, performance, compliance and security scenarios



Eliminate tool sprawl by centralizing test execution, data and reporting within the Azure DevOps ecosystem



Scale testing efficiently with elastic Azure resources and pre-configured environments via DevTest Labs



Leverage deep expertise in hybrid, multi-cloud and regulated workloads for enterprise-grade test automation

Thank you