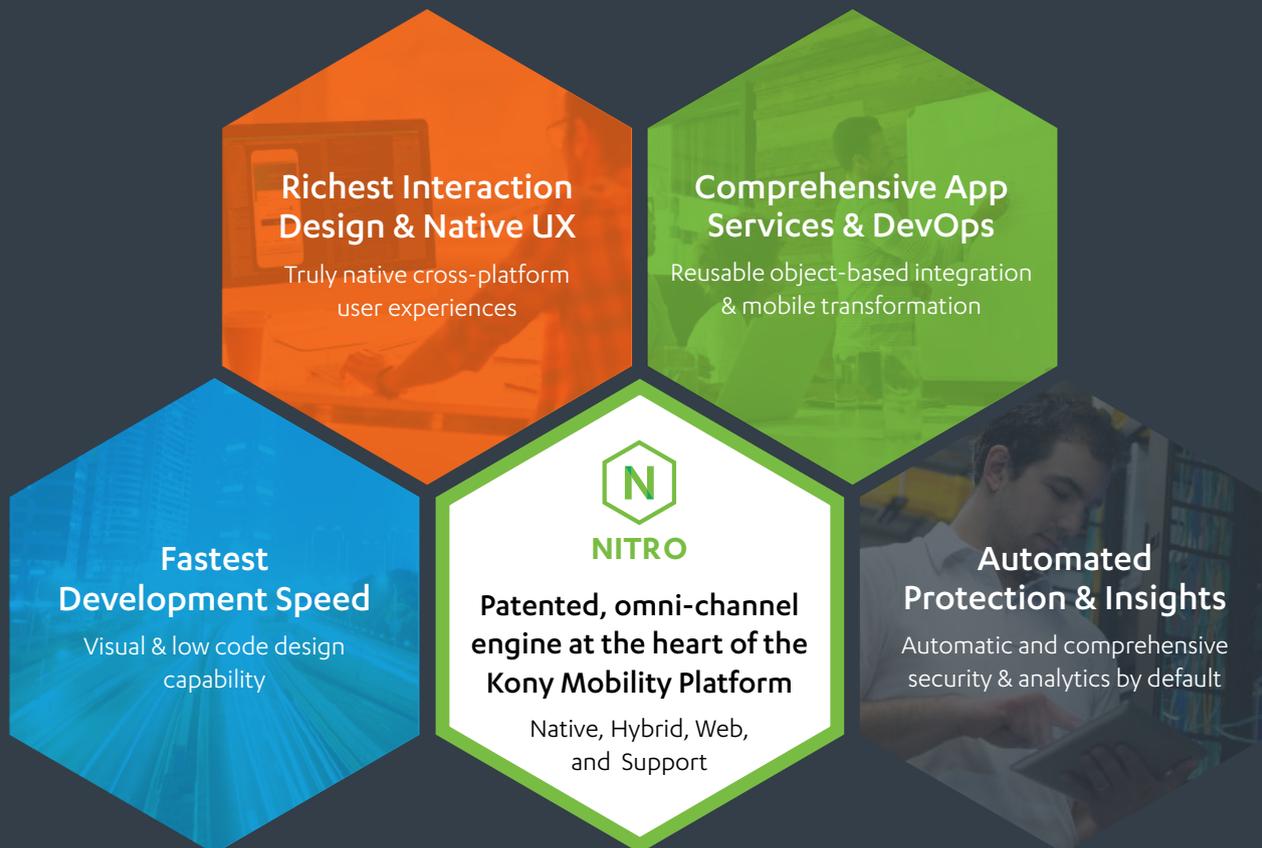# The Kony
Mobility Platform

kony

Mobilize the Enterprise

The Kony Mobility Platform

The platform for omni-channel app creation.

The Kony Mobility Platform is an open and standards-based, integrated platform for the next generation of mobile app development. Kony's platform, powered by The Kony Nitro™ Engine, supports the entire application software development lifecycle (SDLC) and enables organizations to go from idea to omni-channel app in just a few weeks.

Richest Interaction Design & Native UX
Truly native cross-platform user experiences

Comprehensive App Services & DevOps
Reusable object-based integration & mobile transformation

Fastest Development Speed
Visual & low code design capability

NITRO
Patented, omni-channel engine at the heart of the Kony Mobility Platform

Native, Hybrid, Web, and Support

Automated Protection & Insights
Automatic and comprehensive security & analytics by default

Powered by

konynitro
ENGINE

The Kony Nitro™ Engine is the patented, omni-channel engine at the heart of the Kony Mobility Platform—supporting the full-range of devices and channels on the market with the best of native, web and hybrid approaches.

CHOICE

Patented omni-channel framework for native widgets & APIs. Open web standards support including Cordova, Angular + 3rd party frameworks.

SPEED

Rapid low-code visual tooling. Drive reuse via a powerful component model on the frontend and backend.

POWER

Mix 100% of native APIs directly with omni-channel UX & logic. Scales up to enterprise needs with digital app factory approach.

Fastest Development Speed

Enterprises need ways to quickly iterate to maintain business relevance and improve the customer experience. Speed with the highest levels of adoption are the holy grail for any application and this is especially true in any digital transformation. Unlike traditional IT projects, Mobile applications are never truly "finished". Most organizations find themselves having to update their app once every six months and in the case of many B2C apps, even more frequently. At Kony we believe there are four elements to truly delivering great mobile apps:

1. Automation and Prototyping
2. High Fidelity User Experiences
3. Commonization and Reusability
4. Integration and Assembly

Automation and Prototyping

Your organization, like most of the companies that Kony partners with, requires that all user types have a stake in the ideation, prototyping, design, and development of applications. With Visualizer®, the world of Omni-channel application creation is opened up to a broad set of users, through Visualizer's unique approach to development and design. With tools like the WYSIWYG canvas and design toolsets, designers can easily create nuanced application visual designs without compromise. These application designs can then be advanced into highly engaging application interactions using the low code, intuitive flow tools such as Action Editor, along with App Preview. Application prototyping does not end with the design and interaction – using Visualizer's unique low-code integration tools such as mapping editor, the design and interaction can be hooked into data from the enterprise with only a few clicks.

Kony Visualizer allows organizations to ideate quickly throughout the ideation and prototyping process with Kony App Preview, the native application preview and collaboration toolset. With Kony App Preview, stakeholders around the world can more easily collaborate throughout the entire app software development lifecycle.

Richest Interaction Design & UX

Omni-channel applications put the user at the center of the user experience. Data has shown that a poor user experience will result in high rates of abandonment of applications, and lower rates of value added transactions. Kony's next generation Visualizer application canvas enables designers, business users, and developers to create next generation user experiences that adhere specifically to the human interface guidelines of each of the supported device platforms. Applications built with Visualizer can take advantage of all of the low level native drawing capabilities, and can leverage the native hardware capabilities, without compromise.

Commonization and Reusability

The re-use of common components and assets as well as microservices across channels, applications and platforms is critical to realizing organizational efficiency. Kony Visualizer provides Enterprise grade capabilities to define such components centrally and use them across any number of applications and device types.

Such components can consist of simple assets, user interface elements, and application component functionality definitions.

Comprehensive App Services & DevOps

One of the biggest challenges in the creation of any mobile application is gaining access to data from your backend systems, and then being able to transform or optimize that data set for a mobile device. Integration with API Management provides a simplified interface to back-end data sources. From the API interface, mobile applications need to be able to take what might be a large data set, and parse through only what is relevant for display on a much smaller form factor and in an environment that is often characterized by limited or intermittent network connectivity.

Integration and API Management

Kony's MobileFabric® greatly simplifies your backend integration and eliminates maintenance costs by providing an open and extensible framework to integrate seamlessly with your existing IT investments. MobileFabric provides additional API management functionality allowing you to control access to the backend system via a management portal and API gateway features such as versioning and throttling.

Microservices & Model Driven Application Development

Kony MobileFabric uses a microservices deployment model where each MobileFabric service including

object services is deployed as a separate entity that can be configured, published, updated, and managed independently. As part of the MobileFabric Object Services functionality, traditional mobile backend services are enabled via a model-driven application development (MDAD) approach for the accelerating the development of applications, providing:

- 60% improvement in developer productivity
- Effective design, reusability and object level testing
- Controlled extensibility
- Dynamic runtime configuration
- Improved support end-to-end diagnostics/analytics

These benefits don't just apply to the initial release of the app, subsequent releases are also three to four times faster, and new apps can be delivered more quickly and more efficiently.

Mobile Transformation Services

Mobile applications require a number of mobile-specific services to ensure security and optimize performance. MobileFabric provides the following transformation services out of the box to accelerate development times:

- Identity management
- Orchestration
- Off-line data synchronization
- User engagement (with push messaging)

Automated Protection & Insights

The security of user and customer data is the number one priority for most organizations and, for a number of years, Fortune 50 companies have relied on Kony's solutions to deliver critical apps and handle sensitive data securely.

In a recent audit report by Cigital Security (a leading security consultancy) they commented

> *There are too many layers for an attacker to even begin justifying an attack on this software unless it contained some high value reward. Assuming that this reward existed, it would take an attacker far longer to compromise the software than the time provided even to make a dent in the armor...*

Security is at the core of everything we do. Providing automated protection of apps built on the platform.
- Source Code Protection Library (to protect source code and business logic)
- Code & Control Flow obfuscation
- White Box Cryptography
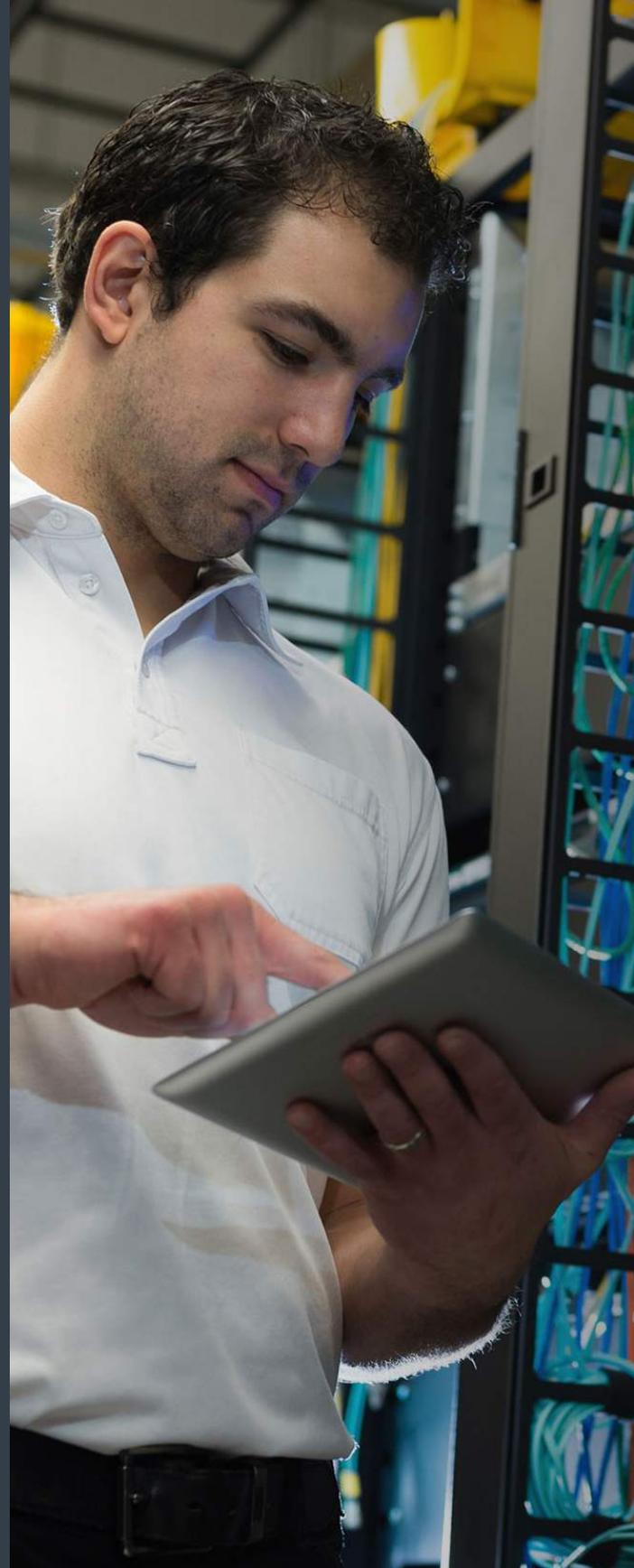- Binary Protection against static and runtime attacks

We have incorporated security enabling technologies...
- APIs built for security - FIPS 140-2 compliant crypto libraries
- Securely perform Authentication, Authorization, User & Session Management, Input Validation, etc. features to prevent man-in-the-middle attacks (MITM).

...and passed a number of security certifications and compliance standards
- PCI DSS certified, SSAE 16 SOC 2 compliant
- HIPAA compliant
- ISO 27001:2013 certified
- STIG/SRG compliance with DISA

Security is and will always be at the very core of Kony's solutions. Kony allows you to quickly and easily ensure the apps you deploy are protected, adhere to industry regulations, and align to your existing governance policies.

Kony Visualizer®

Front-End Design and Development

An integrated, intuitive development environment for prototyping and building fully native mobile and web applications across phones, tablets, wearables and desktops— all from a single code base and powered by The Kony Nitro™ Engine.

Kony MobileFabric®

Securely build and manage APIs and Microservices

Kony MobileFabric is a unified, open standards-based mobile infrastructure service that easily integrates and supports backend systems with best-in-class protection and comprehensive analytics.

Kony Apps

Pre-built Enterprise apps powered by the Kony Nitro™ Engine

Kony Apps offer businesses a best-of-both-worlds mobile app solution: built-in best practices, proven business process workflows, and enterprise integrations that make it easy to get up and running fast, plus configuration options designed for cutting-edge customization.

To learn more contact us at:

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