KINVEY MICROSERVICES PLATFORM ENABLES ANY APP EXPERIENCE

Quickly and securely deliver app experiences your users will love

AT A GLANCE

To deliver innovative and successful apps that get used and not ignored or deleted, developers need to go beyond just adapting existing data views to smaller screens and different programming languages. They need to deliver engaging, proactive, and intelligent app experiences for customers, employees, and partners.
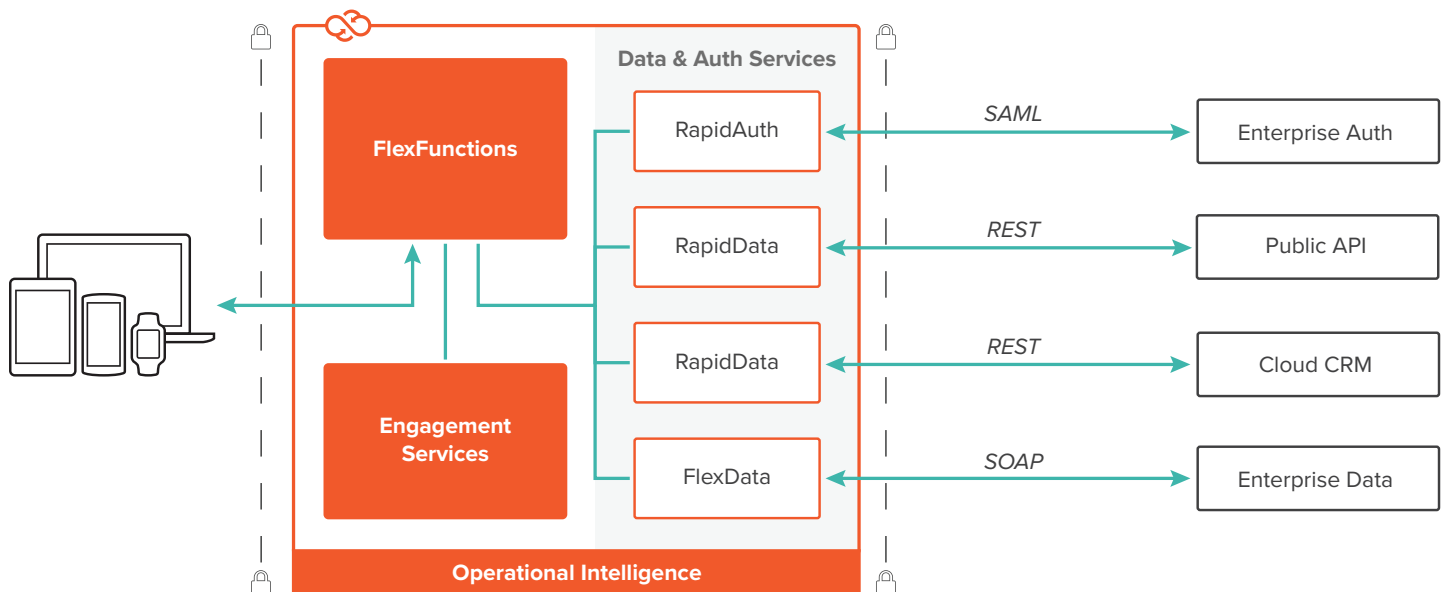
Successful development teams must have the flexibility to use any authentication services, access any data, and provide any user experience they need to deliver apps that not only get used, but achieve the business value that inspired the app in the first place.

Kinvey's serverless microservices platform delivers fully integrated no-code and low-code services that allow developers to quickly and securely develop and run backend services for their applications that enable rich user experiences leveraging enterprise security and data systems. Developers can also add ANY user experience function needed via no-code and low-code functions, tapping into the node.js ecosystem or accessing public APIs in a secure manner. The Kinvey microservices platform accelerates delivery of engaging app experiences and, because it is serverless, you can deliver innovative and engaging apps at a fraction of the time and cost.

KEY BENEFITS

- Securely leverage any enterprise data or auth source
- Create innovative and engaging user experiences, quickly
- Easily access node.js ecosystem and public APIs
- No infrastructure to build, scale, or maintain
- Plug and play execution for any NPM library

MICROSERVICES OVERVIEW

The microservices platform extensions are flexible and enable the creation of these new app experiences via both no-code Rapid Services and low-code Flex Services. Now, developers can integrate to any data source, use any authentication service, and perform any user experience functions with no- or low-code - the only limitation is their imagination.

Rapid Services are no-code configurable modules that can be set up instantly to deliver controlled and secure access to standard enterprise authentication systems, internal systems of record, or cloud services.

Rapid Services include:

- **RapidData**: Data integration services for SAP, Salesforce, SharePoint, NoSQL, and REST
- **RapidAuth**: Auth integration services for SAML, OAUTH, OpenID Connect, Active Directory, and LDAP

Enterprise application architectures are inherently complex, with a myriad of proprietary systems in addition to systems with standard interfaces. Flex Services are low-code microservices that enable integration with these proprietary data and authentication systems and user experience functions. Flex Services can be used to deliver sophisticated mash-ups, cross-channel experience linking, and other advanced engagement experiences. Flex Services run on the Kinvey Flex Services Runtime, a serverless container-based runtime that is painless to use with no need to worry about infrastructure setup, deployment, scaling, or maintenance. Flex Services can also run on customer's PaaS or internal network.

Flex Services include:

- **FlexData**: Data integration functions for any data source, utilizing the vast library of modules from the NPM ecosystem
- **FlexAuth**: Authenticate users by connecting to any non-standard or proprietary identity source
- **FlexFunctions**: Event-based and triggered functions to initiate actions for invoking mobile application logic

Kinvey provides a robust set of tools for easily creating, deploying, and managing your Flex Services:

- **Open source Flex-SDK** for quick creation of Flex Services, without the need for the typical scaffolding code to create and manage microservices.
- **Reference Catalog** providing fully-functional Flex Services for popular systems including MySql, DB2, Microsoft Dynamics, REDOX and more
- **Command Line Interface** (CLI) for deploying and managing Flex Services on the Flex Runtime, enabling easy integration into CI/CD tool chains for agile development processes
- **Plug and play execution for any NPM library** giving developers a simple way to tap into the NPM ecosystem and add new capabilities quickly