Infinity DataFlow

Infinity DataFlow enables logic based programming & data manipulation for limitless integration possibilities.

Workflows Driven by Reactive Principles

In order to deliver enterprise-grade solutions, we know that integration is vital. However, in real-world scenarios, not every existing system has an open interface from which to extract or input data.

Previously, this has led to issues in accessing the required data to build effective solutions. That's why we developed Infinity DataFlow - a dynamic workflow creation tool which enables complex data manipulation based on pre-defined logic.

Examples of triggers that workflows that can be built on include; key strokes, mouse clicks, results of an API call, incoming messages and push notifications. Once intercepted, data may be used within the flow itself or passed to secondary flows depending on the complexity of required outputs.

In addition to transforming & processing data, Infinity DataFlow is also capable of manipulating JSON to add further reactive functionality. This is achieved by XPath & JSONPath searching, XSLT transformations and an SQL-like query language.

Over the next few years, we believe reactive programming will become an increasingly important aspect of modern application development based on the increasing need for interoperability & data management.

Importantly, Infinity DataFlow enables our team of expert developers to build integrations or in-application actions based on data that would have previously been inaccessible - such as triggering events on emails to specific address or an update to database

Development techniques that can be represented graphically, such as flow-based and reactive programming principles will become a core tennant of future applications due to their versatility and ease of maintenance.

A Flow-Based JavaScript Alternative

Infinity DataFlow is a cutting edge flow-based programming tool developed to integrate seamlessly into the CommonTime technology stack. This means that the Infinity ecosystem is able to take full advantage a the non-blocking, event driven model, ideal for running locally or in a cloud environment.

In addition to the unlimited number of flows that can be created by the available nodes, we believe there are two key advantages to building aspects of our enterprise-grade systems with Infinity DataFlow; enhanced integration capabilities & the ability to provide continuous software upgrades.

Not only are the CommonTime development team able to tap into data sources that do not typically enable integration, but also monitor, review and update the way data is handled without requiring users of a mobile (or desktop) application to upgrade software. Such an approach both facilitiates agile maintenance of systems and removes a number of traditional barriers to software management.