Client-Side Interoperability through FDC3 and Interop.io:
A New Era of Seamless Integration with Luxoft

by Denis Ezhov, Senior Software Developer,
and Alexander Chernushevich, Chief Programmer

In Brief:

- In this informative article, Denis Ezhov and Alexander Chernushevich delve into the significance of client-side interoperability in software development, emphasizing how the FINOS-backed FDC3 standard and Interop.io, as the Lead Maintainer of the FDC3 standards, are revolutionizing the integration of diverse applications.

- We explore how Luxoft, embracing the FDC3 standard and Interop.io, unites front-end technologies like React and Angular for streamlined, efficient development of desktop-like applications.

- The authors shed light on Luxoft's ground-breaking projects in the financial sector, where we have revamped and structured pre-existing projects, establishing reusable components specific to the client's systems, ensuring smooth integration.

Our digital universe is a network of interconnected applications and systems. Integrating these applications effectively is crucial for businesses aiming to optimize their operations and offer a cohesive user experience. Luxoft is a significant player in this realm - a global technology services and consulting partner assisting businesses in overcoming the complexities of multi-application integration.

The Promise of Client-Side Interoperability

Traditionally, server-side interoperability was the prevalent methodology for integrating various applications and systems. Though effective, it often entailed intricate data interchange and format conversions, complicating the integration process.

The advent of client-side interoperability presents an exciting alternative, simplifying the integration of applications and systems at the client's application level, bypassing the need for complex data and messaging format conversions. This advancement is driven by the FINOS-backed FDC3 standard and Interop.io, which are playing a central role in standardizing interoperability across the board.

Exploring the FDC3 Standard and Interop.io

FDC3 - Financial Desktop Connectivity and Collaboration Consortium - is part of the FINOS library. Its objective is to standardize interoperability on the financial desktop. By creating a standard, FDC3 simplifies the integration process. When a new application is integrated into the user interface and both adhere to the FDC3 standard, integration can often be achieved swiftly, sometimes even without coding – it's as simple as configuring settings.

Interop.io, the Lead Maintainer of the FDC3 standards, is a pioneer in desktop integration. It offers seamless discovery with plug-and-play deployment and integration of FDC3-enabled apps. This sophisticated platform allows financial firms to experience unified desktop environments, with diverse applications working in harmony.

Luxoft and Interop.io: Collaborating for a Shared Vision

Luxoft, as a technology partner, is dedicated to creating solutions that adhere to the FDC3 standard and utilize Interop.io. Our teams worldwide have been implementing several projects based on Interop.io's platform.

Our teams have undertaken significant projects in the financial domain, restructuring large projects and creating reusable approaches and components tailored to the client's systems and infrastructure.

Guiding Seamless Integration and Collaboration

Luxoft's substantial experience with Interop.io and its commitment to the FINOS-backed FDC3 standard distinguishes it in the industry. Luxoft experts are skilled at leveraging Interop.io's flexibility to foster collaboration between different teams, making it a scalable solution suitable for increasingly complex systems.

Luxoft has also established a Center of Excellence for clients on client-side interop. The center runs a series of internal workshops and serves as an architectural consulting single point of contact for all system integrations within a client's user interface.

The Journey Ahead

The future of client-side interop is promising, with Luxoft at the forefront. With our teams refining their knowledge of platforms like Interop.io and standards like FDC3, the integration process will only become smoother and more efficient.

While Interop.io already provides a suite of tools supporting client-side interop, Luxoft teams are working to enhance core functionalities even further. By standardizing solutions, all projects can utilize each feature, enhancing communication between applications and collecting data based on their unique needs.
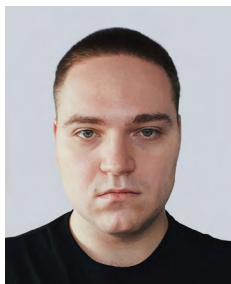
Luxoft is Leading the Way

Client-side interoperability is transforming the integration of applications and systems, simplifying the procedure. Standards like FDC3 and platforms like Interop.io provide a framework for seamless interaction of different software components.

Luxoft stands at the forefront of this technological shift, with its firm commitment to the FINOS-backed FDC3 standard and extensive experience with Interop.io. Luxoft's teams excel in providing architectural consulting and training in this client-side interaction domain, solidifying the company's position in this expanding field.

Interested in leveraging this potential for your business or project? Connect with a Luxoft specialist. We can offer a tailored approach to using FDC3 and Interop.io, ensuring a unified, integrated application experience. Get in touch with Luxoft today to start your journey towards seamless software integration.

About **the author**

Denis Ezhov
Senior Software Developer,
Luxoft

A seasoned software developer, Denis joined Luxoft in 2021, bringing with him extensive experience from the Financial and Security sectors. Having started his career in 2012, Denis has consistently demonstrated his proficiency with a wide array of front-end and back-end technologies, including React, Vue, Angular, NodeJS, Java, ROR, C#, and PHP. His niche lies in front-end development, with a particular emphasis on UI/UX (User Interface/User Experience), and he leverages his deep understanding of modern technologies and design principles to deliver top-tier solutions.

Alexander Chernushevich
Chief Programmer,
Luxoft

Alexander's diverse IT career began in 2006 as a full-stack developer, leading him to roles across multiple industries. With a track record of successful projects under his belt, he joined Luxoft as Chief Programmer. Alexander's unique expertise lies in integrating back-end solutions and pioneering new technological client-server solutions. Notably, he has become adept at using Interop.io, an Electron-based framework, to develop sophisticated desktop applications. Currently, Alexander plays a crucial role in building a global infrastructure based on Interop.io, employing the latest front-end and back-end technologies. He also takes great pride in mentoring new teams, ensuring they are equipped to create systems capable of supporting diverse ideas and initiatives.

If you'd like to find out more visit
luxoft.com or consult one of our experts
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About Luxoft

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