



40% development time reduction

20% performance increase

improved user experience



Rappid is a complete framework for advanced applications, and an extension of JointJS, which delivers the best of HTML 5 and SVG to give you the right tools for building outstanding products.

JointJS is a modern HTML 5 JavaScript library for visualization and interaction with diagrams and graphs. It can be used to create anything from static diagrams to fully interactive diagramming tools and application builders.

client IO is the industry leader in diagramming solutions for the web era. Since 2011 our products have been enabling organizations, including Fortune 500 companies, to build web-based workflow, BPMN and flowchart diagramming products quickly and easily.

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Award winning solutions provider HCL Technologies leverages Rappid and IBM's Workload Automation to visually manage complex tasks and activities.

INTRODUCTION

HCL Technologies helps global enterprises reimagine their businesses for the digital age. Recognized by the 2017 Brand Finance study of global 500 Brands as one of the fastest growing IT services brands globally, they solve complex business problems for their clients through innovative solutions built around Automation, Infrastructure Management, Engineering Services, and much more.

Recently HCL have entered into a 15+ year IP partnership with IBM for its Tivoli Workload Automation product (among others). IBM's Workload Automation is a complete solution for batch and real-time workload management. Available for distributed mainframe or hosted in the cloud, it can be used to drive business and IT workloads on hosted servers with virtually no cost of ownership for the central server.

CHALLENGE

HCL Products & Platforms, a division of HCL Technologies that develops and delivers a portfolio of next-generation, enterprise-grade software-based offerings, needed to develop a graphical solution to connect entities and perform actions such as scheduling, automation, tasks and backups.

Because of these complex workloads the HCL team knew that a graphical interface was extremely important. The first big question was whether to create a solution internally or use a third-party product, so the development team began comparing and testing various products on the market against the time and resources requirements for an internal solution.

SOLUTION

Exploring the source code and documentation for JointJS and Rappid the HCL developers were pleased to see that it was written in an intelligent and logical manner which they could easily understand. Their first usability test was to develop zoom implementation for internal task activities. With Rappid the entire process took less than ten minutes and worked beautifully, much to the pleasant surprise and satisfaction of the HCL team.

Soon the team realized additional powerful features of Rappid, such as the ability to render 100% on the client-side, providing a significant increase in efficiency and scaling for their solutions, as well as the possibility to completely customize layout for their clients, leading to a significant improvement in user experience. Furthermore, when the HCL Products & Platforms team contacted client.IO for support (the company behind JointJS and Rappid) they were met with friendly and knowledgeable developers who promptly took care of their needs.

IMPACT

Rappid reduced the team's development time by 40%, and the license model fit their needs perfectly because it allowed them to purchase only what they needed internally and distribute their solutions without unnecessary complications.

In addition, the latest Rappid update has improved performance by 20%, without the team having to touch their own code, and while still maintaining backward compatibility.

Multiple teams within the HCL Products & Platforms division now use Rappid, and developers regularly share how they're using it with other teams so that they all can leverage new ideas and solutions quickly and efficiently.

"Rappid is one of the easiest tools I've ever used and it works exactly how I expect it to. If someone needs a business application they should really think about how much time they'd have to spend creating what Rappid already does. For us it has been the perfect solution and I would definitely recommend it to anyone who needs this type of tool."

- Software Engineer, HCL Technologies