

## CASE STUDY

# OPTIMIZING FLASH CONVERSION

## A COMPLETE CONVERSION SOLUTION

Because Adobe is phasing out Flash, the client needed to convert its legacy learning content to the more modern format, HTML5. The company reached out to Raytheon Professional Services (RPS) for help with the conversion effort and to optimize their existing media assets and courses with consistent user experiences across a variety of mediums.



**Raytheon**

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## SITUATION

The client, a multinational pharmaceutical company, needs to convert the Flash elements in their existing courses to HTML5 because Adobe is no longer updating or supporting Flash. This means that by mid-2020, Flash will no longer work properly across a number of devices and browsers including Chrome, Internet Explorer, Edge and Firefox. In addition, the client also needs to repackage and extend the life of existing eLearning assets to maintain a consistent user experience for both desktop and mobile device utilization.

## CHALLENGE

Learning content transformation was required for more than a 1,000 courses. The converted courses needed to be enabled on interactive multi-device displays to ensure learners can access learning content from any device, anytime, anywhere. In order to meet the customer's needs, and complete the project prior to Adobe's deadline, it would require the optimal blend of preplanning, asset validation, readiness and cost-effectiveness.

## SOLUTION

RPS employed its strategic approach to learning content transformation, first investing the time up front to gain an understanding of the company's unique learning challenges and goals.

Our proprietary business tool, designed specifically to assist with Flash content migration, provides actionable intelligence by accurately and thoroughly scanning every course for Flash objects and other assets. The structured data, collected through the process, is transferred to a team of curriculum architects to create a robust strategy. The result is a strategy and plan of action that leads to decisions to convert, refresh, replace or retire the processed courses.

The tool is built on an advanced set of algorithms that automate and transmit data-driven analytics. This allowed RPS and the customer to identify and categorize course media assets to better understand the predefined course data structures and optimize treatment and handling of course artifacts.

It also provided an early glimpse and general overview of the work needed, helping prioritize the eLearning courses for transitioning, and led to the creation of an approach and batching schedule that streamlined the work process.

This allows us to more efficiently and effectively adapt reusable media assets. The structured data compiled also let us focus more on improving content integrity, adding speed, accuracy, consistency and reliability.

Our team of experts implemented our end-to-end conversion strategy and delivered the structure, flexibility, productivity, visibility and efficiency the client required.

Whether it's for one course or an entire learning catalog, we provide the integrated road map for proper planning, seamlessly managing your learning strategy and tailoring both content and course modality. Combining our learning expertise, our best practices honed over multiple engagements and our innovative intelligence tools allows RPS the flexibility to ramp up and scale down as necessary to meet any fluctuation in demand.

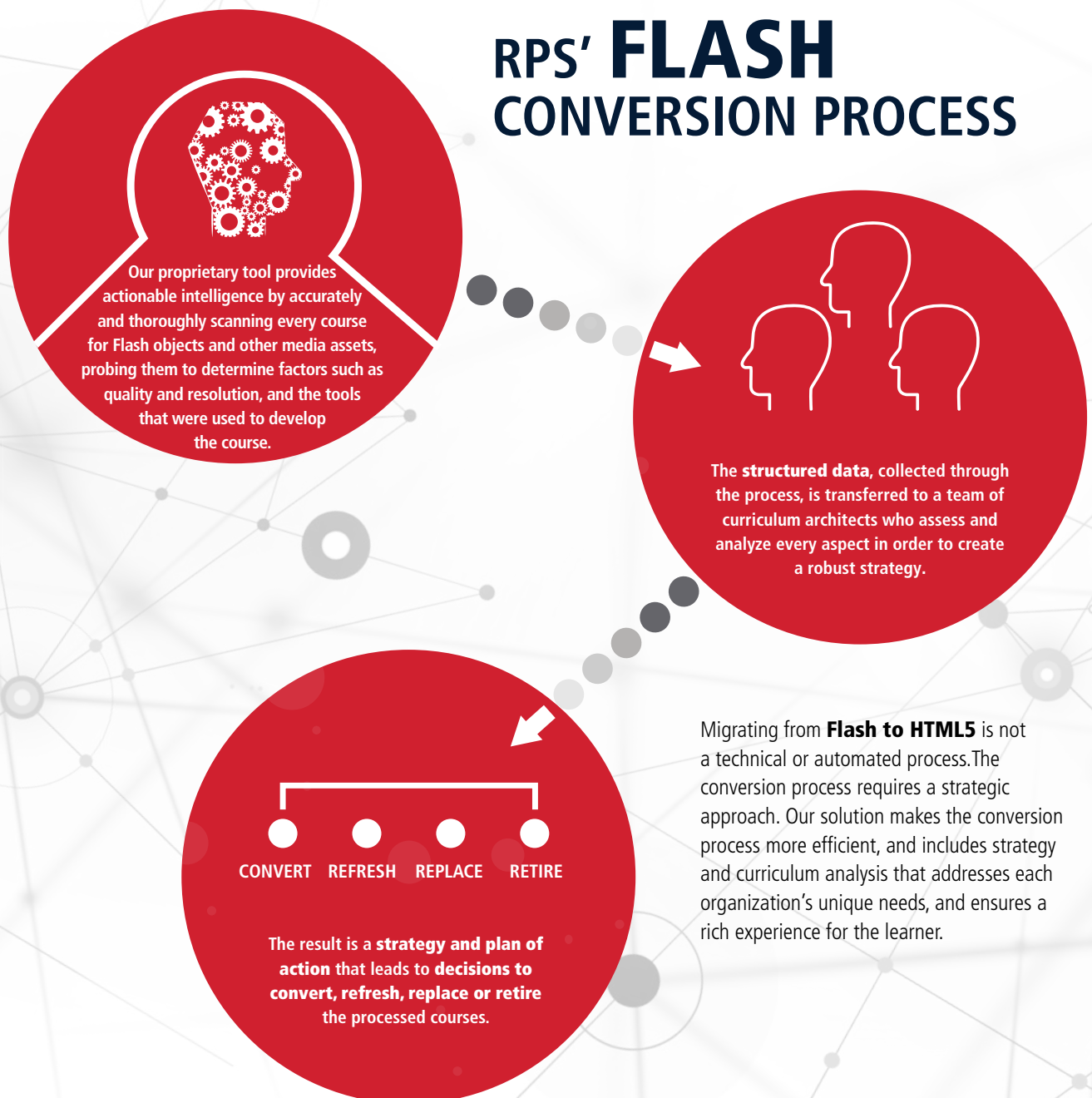
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## RESULTS

All of the client's 1,238 courses were evaluated, categorized, optimized and deployed using modern HTML5 formatting. This included graphic design and presentation, and the added ability to cross-train with the same media assets on different mediums such as desktops, tablets and smartphones.

In addition, the results of our analysis uncovered 326,983 embedded media assets, including 182,735 image files and 109,527 SWF files across six different LCMS platforms. Many of these were low quality images (46 percent), and since just one SWF file can cause issues, several files required modification to function properly in HTML5. Our experienced team responded by quickly formulating an efficient and effective action plan that provided cost certainty for our client.

## RPS' FLASH CONVERSION PROCESS



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## ABOUT RPS

Raytheon Professional Services delivers customized learning solutions that transform workforce performance. Our recognized leadership in end-to-end training reflects our ability to build learning solutions that are aligned with key business objectives, and deliver a rich learning experience. Our results are based on the strategic relationships we develop with our customers, and a deep understanding of their business challenges. RPS has on-shore, near-shore and off-shore options available to meet your organization's budgetary and security constraints.

## HIGHLIGHTS

- 1,238 courses evaluated, categorized, repackaged and deployed
- Strategy and batching schedule streamlined work process
- Courses enabled on adaptive multi-device displays
- RPS' proprietary intelligence tool added speed, accuracy, consistency and reliability with cost certainty
- Helped client analyze 326,983 embedded media assets for required modifications

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