

## IP Streaming Engineering for a **connected device** experience

For a leading US broadcasting company



This case study highlights the collaborative work done for a US-based industry leader of media streaming services, by HCL.

HCL created a positive impact with a substantial increase in streaming capabilities for the client across connected video and audio devices thereby resulting in increased overall productivity and improved customer satisfaction index.

## **BUSINESS AND TECHNICAL IMPERATIVE**

- Merging the development track of 6 different connected devices into 2 tracks, saving 45% development effort
- Managing multiple refactoring and master builds and adhering to the better-quality product timelines set by the client
- Reducing the total cost of ownership of common core libraries
- Automation solution reused across 12 connected device platforms



## SOLUTION HIGHLIGHTS



Involvement across all the areas and components with end-to-end responsibility of development and testing on multiple platforms and back-end API services



Key involvement across all the refactor builds including master releases



Continuous execution on regression/smoke sprints in local and cloud via performance testing and using Testdroid in parallel



Performance testing of mobile applications

## BENEFITS DELIVERED



Saved 40% test design effort by HCL's proprietary API factory solution and automation solution



Executed 3000+ functional test cases and identified ~450 defects



More than 1400 hours saved through test automation and achieved ROI



Provided an end-to-end automation-based connected device solution



High level of customer satisfaction for more than 2 years





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**HCL**