

Regression Intelligence

Intelligent insights for accelerated product development, enhancement, and production monitoring

Business Challenges

Enterprises today are challenged to innovate faster and deliver top-notch digital experiences that meet the high expectations of their global user base. But frequent product updates and continuous release cycles can introduce both functional and performance regressions that are difficult to detect and address within aggressive release schedules. Mobile and web application teams often struggle to:

- Identify and quickly resolve regressions following code changes or system updates
- Understand the impact on digital user experience
- Pinpoint root causes of performance issues

An intelligent approach is needed to deliver aggregation and regression insights at the velocity and scale required for success in today's digital economy.

Solution

HeadSpin Regression Intelligence gives you a powerful comparison tool for analyzing degradation across new app builds, OS releases, feature additions, locations, and more.

- **Compare digital experience KPIs** across test sessions and get **AI-powered insights** for addressing functional or performance degradation
- Build a rich ontology with **custom session tags** for fine-grained cohort analysis
- **Automate build-over-build** comparisons and easily check regression results to **pass or fail a build**
- **Plot trend lines** and monitor performance over time
- Create **custom alerts** based on criteria such as geo-location or device SKU for alerts when regressions are observed in different markets or on different devices
- Set up a proactive regression **Alert Watcher**



A user-friendly interface enables you to easily compare aggregate metrics across builds, locations, and devices.

Real World Results

In migrating their app to Azure, this multinational company faced challenges with:

- Data latency in the new deployment architecture
- Being reactive rather than proactive—issues identified only after they occurred

With HeadSpin, they were able to:

- Automate tests on bare metal devices across **31 locations** worldwide
- Execute approximately **10,000 end-to-end test cases** covering diverse user scenarios
- Ensure exceptional **end-user experience** and stability of app services
- Increase **engineering velocity**
- Identify issues before they **became pervasive**

75% ↓
Reduction in time-to-market for new feature releases

100% ↓
Reduction in UX degradation issues

Learn more about **how our customers** are deriving value from HeadSpin solutions.

Regression Intelligence

Features

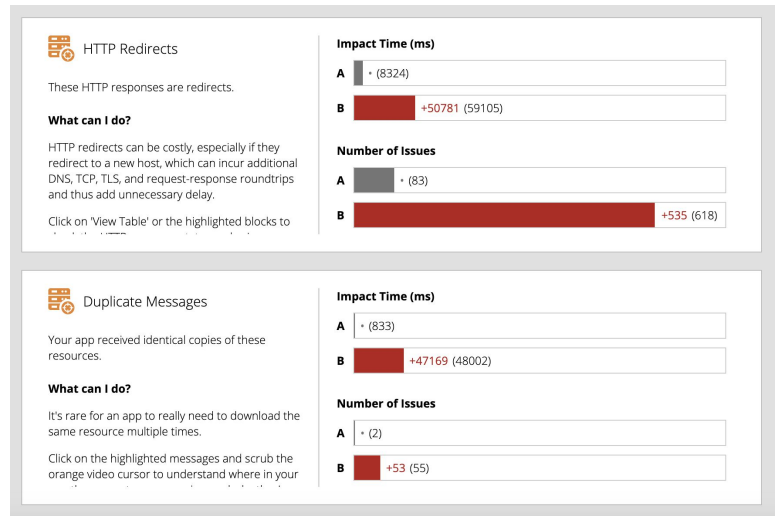
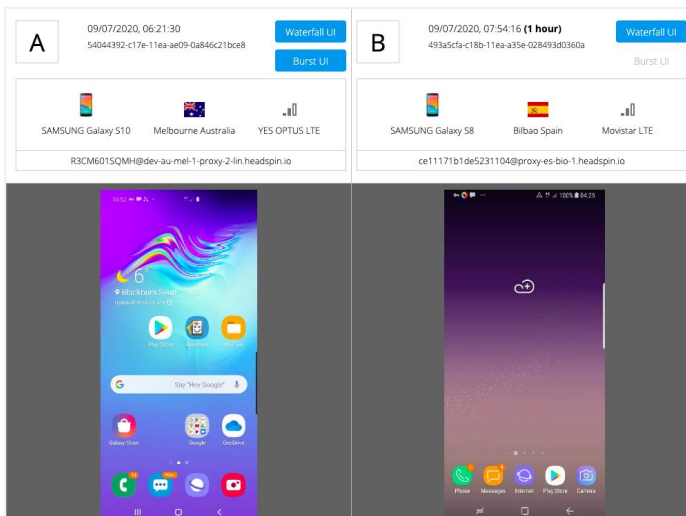
Poor application performance leads to lower customer satisfaction and brand dilution. It is essential to thoroughly perform regression testing of mobile and browser apps to detect and resolve performance, functionality, and localization issues on a proactive basis rather than doing so post release.

✓ Build-over-build regression

Headspin's **AI-powered** Regression Intelligence integrates into your **CI/CD processes** so you can detect degradation issues automatically for every build of your app.

✓ Location-to-location comparison

With HeadSpin's Regression Intelligence you can **compare user experience KPIs** across real devices in over a hundred global locations to identify network, API, **cloud or edge-based issues**.



Address root causes of degradation across builds, geos, and devices with AI-based insights and recommendations.

Impact



Increased efficiency



Enhanced user experience



Greater customer satisfaction



Lower development costs

Learn how you can do all this and more with HeadSpin. **Contact us today.**