Server Replication and Report Testing for LightHaus VCI

LightHaus extracts customer intelligence from in-store video, to bring the power of online analytics to brick-and-mortar stores. Using the LightHaus Visual Customer Intelligence system, retailers can quantify customers' behavior from the moment they enter the store. They can combine this in-store customer intelligence with point-of-sale (POS) and workforce data to measure the impact of staffing levels, marketing campaigns, in-store promotions and store layouts. With LightHaus VCI, retailers can manage their business using customer-centric Key Performance Indicators to make the most of every visitor, and turn browsers into buyers.

With LightHaus Visual Customer Intelligence, retailers can make informed decisions in real time to increase conversion rates, align promotions to the customer demographics and optimize store layout.

LightHaus

Industry	**Location**	**Employees**
Technology	Vancouver, BC	<50

Highlights

- Setup a replica of the LightHaus server offshore at Optimus' India office.

- Used virtual machines for testing the web application on different environments.

- Audited the store's video count and tested all management reports.

The Need

LightHaus' team was focused on development and needed a testing team to thoroughly assess the accuracy of the reports generated by their application. They needed a local team with a global presence that could ensure precision accuracy in these reports. The team they chose needed to have the skills, experience and wherewithal to deliver without any delay or error.

Key Challenges

- Setup a replica of the LightHaus servers offshore at Optimus' India office.
- Use virtual machines for testing the web application on different environments.
- Audit the store's video count and test all management reports.
- Meet LightHaus' aggressive timelines so that they could release their new product on time.

How Optimus Helped

Optimus provided testing support and server maintenance to the client, which helped them release their product with confidence. This was accomplished by following a well-defined process:

1. Initially, Optimus learned the process and tools used by the client, enabling a seamless transition of work from LightHaus to Optimus.

2. Optimus setup a replica of LightHaus' servers in India. The servers were required to run 24x7 uninterrupted.

3. Optimus provided support for server setup, maintenance and troubleshooting any network issues.

4. After the server was setup we performed auditing of the store's video count to assist LightHaus in achieving the accuracy in the count done by their application.

5. Virtual machines were used for testing the web application on different environments. TestRail and JIRA were used for test case management and bug reporting.

6. Optimus would complete a test cycle each month on different servers and verify all management reports.

The capturing and documentation of new test scenarios and issues at the beginning of the project assisted in reducing iterations. This allowed the LightHaus development team to visualize user scenarios, which ultimately prevented any downstream surprises and disruption in their plans.

The Result

At the end of the project Optimus had setup a replica of the LightHaus servers off-shore at our office in India. Optimus tested the web application and reports and provided valuable feedback on critical defects to LightHaus. In the end LightHaus successfully released their product in the market after Optimus had tested it in different environments.

About Optimus Information

Headquartered in Vancouver, Canada with delivery centers in Canada and India, we work as a trusted partner to medium and large businesses to solve their software and technology challenges. With a team of 150+ people Optimus Information provides global organizations with scalable, flexible and cost efficient solutions. **Optimus Information provides global reach with a local presence.**

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