

# CASE STUDY:



## Lakeridge Health Website Receives Dramatic Gains After Performance Audit

### THE CHALLENGE:

The customer had brought their new website online. It was functional, tested and approved.

However, when placed into production under a full traffic load, performance was unacceptable.

As a quick-fix, caching was employed creating acceptable load times. This however delayed how quickly the customer could deploy new content (1 to 4 hours). There also remained the fact that occasional web requests would take up to 120 seconds to render.

The challenges were:

- Improve performance so that they could drastically reduce their load times.
- Make content changes faster to deploy.

### SOLUTION:

It was agreed that the site required a performance audit in order to determine where the actual issues were manifesting.

Three Wise Men completed the analysis, identifying that the vast majority of the site was performing well, however when building the pop-up menu structure several hundred

requests were made to the content server introducing considerable delays in page render time.

Once identifying the method being used, Three Wise Men re-worked this area of the site and cut down the number of requests by a factor of 10.

### RESULTS:

The audit and subsequent re-working of the site reduced un-cached render time from up to 120 seconds to under 3 seconds. This resulted in considerable improvement in the performance of the site.

And as a result, cache times could be set considerably lower, allowing new content to be published almost immediately instead of being hours behind.

### TECHNOLOGIES:

- ✓ PHP
- ✓ XML
- ✓ Three Wise Men CMS

### Success Model Profile:

High trafficked corporate site sees 40 times gains after performance audit.

### Goals / Objective:

- ✓ Make website load quickly
- ✓ Reduce time to get new content online

### Website:

[www.lakeridgehealth.on.ca](http://www.lakeridgehealth.on.ca)



### Three Wise Men

Software Development  
and Consulting

[www.threewisemen.ca](http://www.threewisemen.ca)

1077 Boundary Rd., Unit 211  
Oshawa, ON L1J 8P8

Durham Voice/Fax:  
905-436-2319  
GTA:  
416-848-0709