

<http://www.webperformancetoday.com/category/standards-and-benchmarks/>

Category/Task	Sub Tasks	Status
Benchmarking	<ol style="list-style-type: none">1. Scalability : http://loadimpact.com/2. Apache benchmarking3. Jmeter4. https://drupal.org/project/blazemeter	
Performance	<ol style="list-style-type: none">1. Yslow2. google pagespeed	
SEO	<ol style="list-style-type: none">1. https://drupal.org/project/seo_checklist2. Link checker no dead links	
Code Review	<ol style="list-style-type: none">1. Coder	
Security	<ol style="list-style-type: none">1. https://code.google.com/p/skipfish/	

Results:

Benchmarking - Scalability

HI Loadimpact

Result Link: (>15 secs = 50 users)

<http://loadimpact.com/load-test/coke-hi-staging.azri.de-6d6b63222149ce22e8af38a1e24f7903>

screenshot: loadimpact_staging_before_tuning.png (in hard drive)

After tuning

url for results : (3.5 sec to 5 = 50 users)

<http://loadimpact.com/load-test/coke-hi-staging.azri.de-c3499f7ca53b45abeda2d885a60660d7>

Azri site load impact link for comparison:

<http://loadimpact.com/load-test/azrisolutions.com-5694faec1834c1bf17da5ade56e639e5>

HI Yslow: yslow_staging_before_tuning.png

HI Pagespeed: page_speed_staging_before_tuning.png

PI Load impact:

<http://loadimpact.com/load-test/coke-pi-staging.azri.de-7b6cb0865d24961b8d0138f5f29f853f>

WebPageTest.org (After tuning)

Test 1: http://www.webpagetest.org/result/130801_G2_PQ8/

Test 2: http://www.webpagetest.org/result/130801_DP_PSZ/

Moving JS to bottom:

<https://groups.drupal.org/node/8399>

Results of Apache Benchmarking:

command: **ab -n 200 -c 135** <http://coke-hi-staging.azri.de>

Results: Serves upto **135 users**.

What is Done:

- Enable advanced aggregation module for css & JS compression.
- Enable drupal core aggregation of JS & CSS
- Enable compression of cached pages
- Disable Etags (FileETags None)
- Enable Boost module and configure boost caching for anonymous users.

What can be Done:

- Sprites
- <http://www.smushit.com> for image size reduction
- complete Yslow/Pagepeed suggestions
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References

Gokul: 31-07-2013

Benchmarking : Scalability : <http://loadimpact.com/> and apache benchmarking

Performance : Yslow, remove all the UI modules and many more steps like that :P

Security : <https://code.google.com/p/skipfish/> (Fazil konw how)

SEO : https://drupal.org/project/seo_checklist, Link checker no dead links

Prajwala: 29-07-2013

I agree with Asif with respect to application.

When we give code for client IT team to install, we have to tell following things with very clear instructions

1. Proper INSTALLATION Steps document. A sample Installation steps is attached to the mail. We have to test these steps properly. For ModTracker project, Siva sir used to test these steps also

2. We have to tell the Hardware or Software requirements to run the application.

3. When we give code base as zip download, we have to make sure it is http password protected.

Regarding the performance of the application, we have to run load tests using apache benchmark/Jmeter. We can not tell any numbers with guess here. This applies to both HI and PI instances. For PI the performance mostly depends on Mysql performance.

Asif: 29-07-2013

Here are my inputs. Please cross check with prajwala and go ahead.

Before we provide code to externals, we need to ensure the following things

- Code should meet standards which can be verified (ex: coder module, vulnerability, core and modules should be up to date include all security upgrades, etc)
- Should have all db changes exported to features.
- Ensure all required optimizations are enabled such as sprites, js/css compression, enable apache related modules ,etc
- Also have all recommended suggestions from yslow, pagespeed implemented.
- Should have installer profile or a clear and easy to understand README file for setting up the instance. The README file should contain each and every software that needed to be installed and dependencies that other team need to be aware of.
- Have the RELEASE notes prepared
- We can zip the code and put it on our server for download
- Best you run load test and keep them for reference.

