

Here you can find some links from our presentation at JandBeyond 2016 in Bachelona. They include components for Joomla! and tools for evaluation. This should help you to find bottlenecks on your website and eliminate them.

Please note that the results depend strongly on the specific website and its structure.

The checklist to find out what's going on.

Step number one -> the stats

Is your website running fast? How many elements to load? Is the output compressed and minified?

Check your project with some of the most popular tools:

- Webpagetest
- <http://www.webpagetest.org>
- Pingdom Speedtest
- <http://tools.pingdom.com/fpt/>
- Google PageSpeed Insights
- <https://developers.google.com/speed/pagespeed/insights/>

Step number two -> check your Joomla!

- Is everything up to date?
- Joomla itself, components, plugins, modules and the template-framework.
- What is loading and do you really need it?
- Modules and Plugins can cause a heavy load with many db-querys, unwanted re- re- redirects or internal errors.
- Take a look at the Joomla! system informations
- PHP- and MySQL-Version up to date? Any Errors?
- Activate the debug-mode and take a look in your Joomla! frontend. Especially the runtimes and memory requirements are interesting. Any modules that block the loading-process?
- Existing options for an optimization?
- Some plugins offer support for an CDN, minify, compression or an extra cache.

Step number three -> check the webspace / server

- Take a look to the error-logs (Apache / PHP)
- Some (internal) errors can slow down your website
- Can you use an internal CDN directly from your Hoster?
- Is the latest PHP-version running?
- PHP 7 is much faster than the older versions without cache.
- Are there any free subdomains to use for the (internal) JCHOptimize-plugin CDN?
- They must direct to the original directory of your running website. JCH will only emulate an CDN, but will use the original path's.

Step number four -> use the tools

- Deactivate modules, plugins and components you don't use.
- Try to activate an advanced caching system like Jotcache
- Optimize the output with something like JCH and activate minify and a compression
- Take a look to your htaccess and insert rules to use the browser cache

Step number five -> ready or not

- Clear your browsercache, reload your project and check if everything is running fine
- Use the Joomla! Debug System to check the loaded elements again
- Back to step one and test your site again ;-)

Links:

- JCH Optimize (minify, optimizer and cdn)
- <https://www.jch-optimize.net>
- JotCache (advanced cache for Joomla)
- <http://www.jotcomponents.net>
- Webpagetest
- <http://www.webpagetest.org>
- Pingdom Speedtest
- <http://tools.pingdom.com/fpt/>
- Google PageSpeed Insights
- <https://developers.google.com/speed/pagespeed/insights/>

If you found that listing helpful please let us know.
You have additions that we forgot to mention?
Great! Please let us know that we can improve this list. :-)

Contact: info@deweso.de