

Defer JavaScript

Introduction:

Defer JavaScript by Shreeji web Technologies helps in defer parsing of JavaScript for Magento 2 to speed up the store's page load time and improve the user experience to enrich your customer shopping experience and significantly grow sales.

Benefits:

- Effective defer parsing of JavaScript for Magento 2 in order to increase the site speed.
- Solves render-blocking JavaScript problem.
- Improves on-site experience.
- Boost the rankings in search engine results.
- No more issue of the full page cache.
- Increased rendering time improves the Google Page Speed score.

How to configure:

For configuring the extension, Go to

Admin → Stores → Configuration → SWT →

Defer Parsing of JavaScript

Where you can find to enable the extension.

Scope: Default Config ? **Extension Configuration** Save Config

- GENERAL
- CATALOG
- SECURITY
- CUSTOMERS
- SALES
- YOTPO
- ENGAGEMENT CLOUD
- SERVICES
- SWT
- Defer Parsing Of JavaScript

Configuration

Enabled [store view]

After enable of Defer parsing you can check on Google page speed tool. It will boost Your Magento2 site.

Before Implementation of Defer JavaScript

If you check any low-speed Magento 2 website in [Google Page Speed](#), you can see the recommendation for Defer Parsing of JavaScript which is having the low grade as shown in below image.

The screenshot shows the Google PageSpeed Insights interface. The 'PageSpeed' tab is selected. A red box highlights the 'Before Defer JavaScript' text above the 'Defer parsing of JavaScript' row. The table below shows the following data:

RECOMMENDATION	GRADE	TYPE	PRIORITY
Minify JavaScript	F (6)	JS	HIGH
Defer parsing of JavaScript	F (9)	JS	HIGH
Optimize images	F (3)	IMAGES	HIGH
Leverage browser caching	A (90)	SERVER	HIGH
Minify CSS	A (91)	CSS	HIGH
Specify image dimensions	A (99)	IMAGES	MEDIUM
Avoid bad requests	A (100)	CONTENT	HIGH
Avoid landing page redirects	A (100)	SERVER	HIGH
Enable compression	A (100)	SERVER	HIGH
Enable Keep-Alive	A (100)	SERVER	HIGH
Inline small CSS	A (100)	CSS	HIGH

Additional text on the right side of the screenshot:

What do my scores mean?
Rules are sorted in order of impact upon score
Optimizing rules at the top of the list can greatly improve your overall score.
Not every recommendation will apply to your page
The recommendations are meant to be generic, best practices; some things will be out of your control (eg. external resources) or may not apply to your page.
[Learn more about PageSpeed/YSlow scores and how they affect performance.](#)

Need optimization help?

After Implementation of Defer JavaScript

After implementation of Defer JavaScript in Magento 2 store, you can see the better grade in Google Page Speed for JavaScript as shown below. The improvement of grade helps in improvement of website load time.

▼ Serve resources from a consistent URL	B (86)	◆	CONTENT	HIGH
▼ Avoid bad requests	A (99)	▼	CONTENT	HIGH
▼ Specify image dimensions	A (99)	◆	IMAGES	MEDIUM
▼ Minify CSS	A (99)	◆	CSS	HIGH
▼ Avoid landing page redirects	A (100)	◆	SERVER	HIGH
▼ Defer parsing of JavaScript	A (100)	▲	JS	HIGH
▼ Enable compression	A (100)	▲	SERVER	HIGH
▼ Enable Keep-Alive	A (100)	◆	SERVER	HIGH
▼ Inline small CSS	A (100)	◆	CSS	HIGH
▼ Inline small JavaScript	A (100)	◆	JS	HIGH
▼ Leverage browser caching	A (100)	▲	SERVER	HIGH
▼ Minify JavaScript	A (100)	▲	JS	HIGH

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Need optimization help?

Read our [how to guides](#) and [optimization explained articles](#) for additional direction on improving your page performance.