

Defer Parsing of JavaScript for Magento 2

User Guide



Table of Content

1. [Extension Installation Guide](#)
2. [Configuration](#)
3. [Before Implementation of Defer Parsing of JavaScript](#)
4. [After Implementation of Defer Parsing of JavaScript](#)

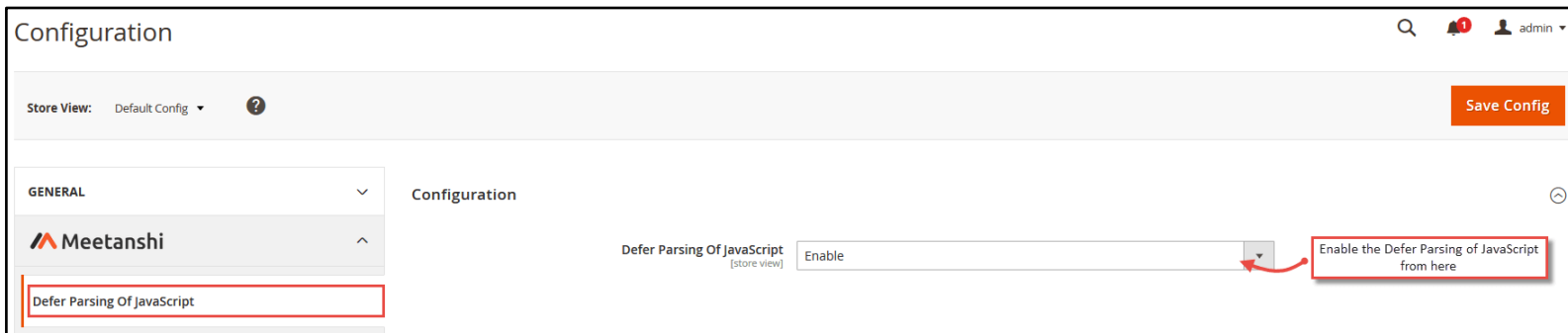
1. Extension Installation

- Create a folder structure in Magento root as app/code/Meetanshi/DeferJS
- Download and extract the zip folder and upload our extension files to the app/code/Meetanshi/DeferJS via FTP.
- Login to your SSH and run below commands step by step:
 - php bin/magento setup:upgrade
 - For Magento version 2.0.x to 2.1.x - php bin/magento setup:static-content:deploy
 - For Magento version 2.2.x & above - php bin/magento setup:static-content:deploy -f
 - php bin/magento cache:flush

2. Configuration

For configuring the extension, login to Magento 2, move to **Stores → Configuration → Defer Parsing of JavaScript** where you can find various settings to enable the extension.

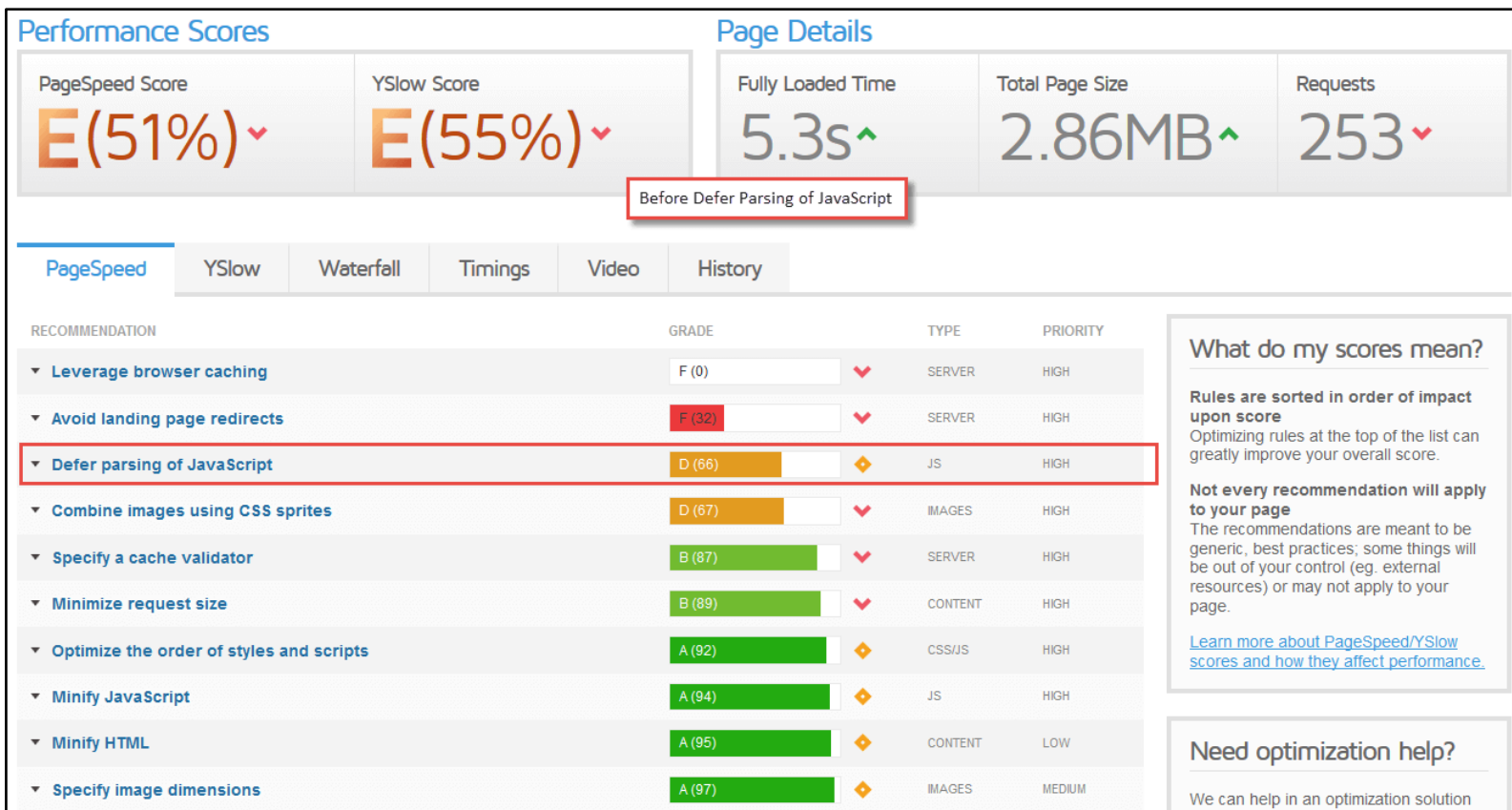
- **Defer Parsing of JavaScript:** Enable Defer Parsing of JavaScript extension.



The screenshot shows the Magento 2 Configuration interface. At the top, there is a search icon, a notification bell with '1', and a user profile icon labeled 'admin'. Below this, the 'Store View' is set to 'Default Config'. A 'Save Config' button is visible in the top right corner. The left sidebar shows the 'GENERAL' section expanded, with 'Meetanshi' selected. The main content area is titled 'Configuration' and displays the 'Defer Parsing Of JavaScript' setting for the current store view. The setting is currently set to 'Enable'. A red box highlights the 'Defer Parsing Of JavaScript' label in the left sidebar, and another red box highlights the 'Enable' dropdown menu. A red arrow points from the second box to the first, with the text 'Enable the Defer Parsing of JavaScript from here'.

3. Before Implementation of Defer Parsing of JavaScript

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



4. After Implementation of Defer Parsing of JavaScript

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

▼ Minimize redirects	After Defer Parsing of JavaScript	A (92)	🔻	CONTENT	HIGH
▼ Avoid CSS @import		A (92)	🔻	CSS	MEDIUM
▼ Specify a cache validator		A (98)	🔻	SERVER	HIGH
▼ Enable gzip compression		A (98)	📈	SERVER	HIGH
▼ Minify HTML		A (97)	🔻	CONTENT	LOW
▼ Minify CSS		A (97)	🔻	CSS	HIGH
▼ Specify image dimensions		A (99)	🔻	IMAGES	MEDIUM
▼ Remove query strings from static resources		A (94)	📈	CONTENT	LOW
▼ Specify a Vary: Accept-Encoding header		A (97)	🔻	SERVER	LOW
▼ Avoid bad requests		A (100)	🔻	CONTENT	HIGH
▼ Avoid landing page redirects		A (100)	🔻	SERVER	HIGH
▼ Defer parsing of JavaScript		A (100)	📈	JS	HIGH
▼ Enable Keep-Alive		A (100)	🔻	SERVER	HIGH
▼ Inline small JavaScript		A (100)	🔻	JS	HIGH
▼ Minimize request size		A (100)	🔻	CONTENT	HIGH