

# Defer JavaScript Extension Magento 2 – User Guideline

---



- ❖ By: CynoInfotech Team
- ❖ Platform: Magento 2 Community Edition
- ❖ Email: [cynoinfotech@gmail.com](mailto:cynoinfotech@gmail.com)

## Introduction

Defer JavaScript extension in Magento 2 is used to Decrease loading speed of the website. On all pages JavaScript should put in the header section and that takes more load time. But using Defer the parsing of JavaScript extension move all JavaScript bottom of page. That means when the page is loaded first HTML and CSS and then defer the parsing minimizing JavaScript is executed. The result of using defers parsing JavaScript extension increase the Google page speed score.

## Features

- ❖ Defer JavaScript extension is used to decrease loading speed of page.
- ❖ Move all JavaScript at the bottom of the page.
- ❖ Admin section controller.
- ❖ Simple configuration.
- ❖ Improves Store Performance

# Defer JavaScript Extension Magento 2 – User Guideline

---

## Settings

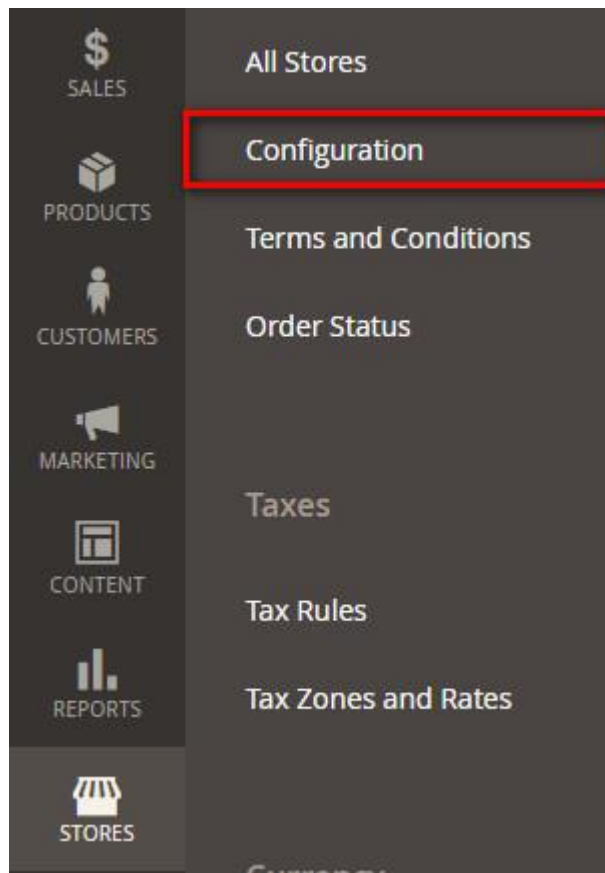
Settings Options

- ❖ Enable or Disable
- ❖ Enable or Disable for Home page
- ❖ Exclude controller
- ❖ Exclude path controller

## Configuration

Here is easy way we teach to How to set Magento 2 Defer JavaScript Extension in website.

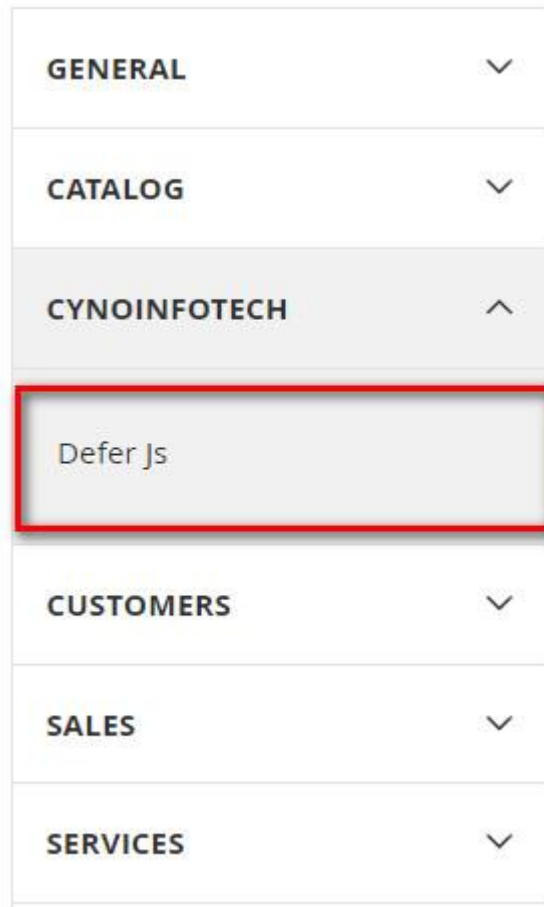
- ❖ First of all login in admin panel of Magento 2 website.  
Than go to stores of admin panel and select configuration.



# Defer JavaScript Extension Magento 2 – User Guideline

---

Click on CynoInfotech and select Defer JS



# Defer JavaScript Extension Magento 2 – User Guideline

---

Choose enable or disable mode of extension.

**Enable**  
[store view]

Yes

Enable/Disable Extension

**Home Page**  
[store view]

Yes

Home page will be affected by defer js Select Yes / unaffected Select NO

## Exclude Controllers [store view]

Expression	Action
<input type="button" value="Add"/>	

Controllers will be unaffected by defer js.  
Use Like: {module}\_{controller}\_{action}  
Ex : catalog\_category\_view

## Exclude Paths [store view]

Expression	Action
<input type="button" value="Add"/>	

Paths will be unaffected by defer js.  
Use Like:( Example: gear/bags.html )

# Defer JavaScript Extension Magento 2 – User Guideline

GTmetrix page speed result: Before

▼ Inline small CSS	A (92)	◆	CSS	HIGH
▼ Optimize the order of styles and scripts	A (92)	◆	CSS/JS	HIGH
▼ Defer parsing of JavaScript	<b>Before</b> A (95)	▲	JS	HIGH
▼ Minify HTML	A (97)	◆	CONTENT	LOW
▼ Optimize images	A (99)	▲	IMAGES	HIGH
▼ Minify CSS	A (99)	◆	CSS	HIGH
▼ Avoid bad requests	A (100)	◆	CONTENT	HIGH
▼ Avoid landing page redirects	A (100)	◆	SERVER	HIGH
▼ Enable gzip compression	A (100)	▲	SERVER	HIGH
▼ Enable Keep-Alive	A (100)	◆	SERVER	HIGH
▼ Inline small JavaScript	A (100)	◆	JS	HIGH
▼ Leverage browser caching	A (100)	▲	SERVER	HIGH
▼ Minimize redirects	A (100)	▲	CONTENT	HIGH
▼ Minimize request size	A (100)	◆	CONTENT	HIGH
▼ Put CSS in the document head	A (100)	◆	CSS	HIGH
▼ Serve resources from a consistent URL	A (100)	▲	CONTENT	HIGH
▼ Serve scaled images	A (100)	▲	IMAGES	HIGH

# Defer JavaScript Extension Magento 2 – User Guideline

GTmetrix page speed result: After

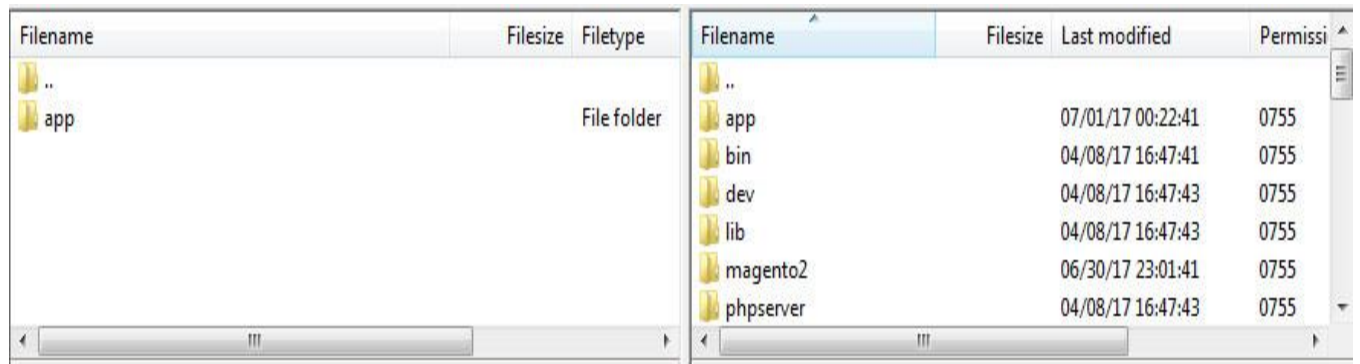
▼ Inline small CSS	A (92)	⬇️	CSS	HIGH
▼ Minify HTML	A (98)	⬇️	CONTENT	LOW
▼ Optimize images	A (99)	⬆️	IMAGES	HIGH
▼ Minify CSS	A (99)	⬇️	CSS	HIGH
▼ Avoid bad requests	A (100)	⬇️	CONTENT	HIGH
▼ Avoid landing page redirects	A (100)	⬇️	SERVER	HIGH
▼ Defer parsing of JavaScript	<b>After</b> A (100)	⬆️	JS	HIGH
▼ Enable gzip compression	A (100)	⬆️	SERVER	HIGH
▼ Enable Keep-Alive	A (100)	⬇️	SERVER	HIGH
▼ Inline small JavaScript	A (100)	⬇️	JS	HIGH
▼ Leverage browser caching	A (100)	⬆️	SERVER	HIGH
▼ Minimize redirects	A (100)	⬆️	CONTENT	HIGH
▼ Minimize request size	A (100)	⬇️	CONTENT	HIGH
▼ Optimize the order of styles and scripts	A (100)	⬇️	CSS/JS	HIGH
▼ Put CSS in the document head	A (100)	⬇️	CSS	HIGH
▼ Serve resources from a consistent URL	A (100)	⬆️	CONTENT	HIGH
▼ Serve scaled images	A (100)	⬆️	IMAGES	HIGH

# Defer JavaScript Extension Magento 2 – User Guideline

---

## Installation Guide

- ❖ Download extension zip file from the account and extract it
- ❖ root of your Magento 2 installation and merge app folder
- ❖ folder structure --> app/code/Cynoinfotech/Deferjs



After this run below commands from Magento 2 root directory to install module.

- ❖ Run `:cd <your Magento install dir>`
- ❖ `php bin/magento cache:disable`
- ❖ `php bin/magento module:enable Cynoinfotech_Deferjs`
- ❖ `php bin/magento setup:upgrade`
- ❖ `rm -rf var/cache var/generation var/di var/cache`