

DEFER JAVASCRIPT

USER GUIDE



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1. Defer JavaScript Extension Overview

Defer Parsing of JavaScript is listed as one of the most impactful factors of speed improvement for websites that you can implement among many website optimization tips.

When customers visit your website, they do not expect to wait so long for loading pages because this makes them impatient and leave your website after waiting in vain. Therefore, [Defer JavaScript Extension](#) is developed to effectively reduce loading time by automatically putting JavaScript files to the end of page after loading all HTML and CSS. As a result, you will keep customers stay on your site as well as engage more customers and your sale is of course on the way to boost up!

2. How Does Defer JavaScript Extension Work?

To configure the module, follow these below instructions:

Step 1: Go to **Admin Panel** → **System** → **Configuration**.

Step 2: On the left side of the page, find **BSS COMMERCE** → select **Defer JavaScript**.

After these two steps, you can see your admin screen as this image:

Defer Javascript

General Configuration		
Enabled	Yes ▼	[STORE VIEW]
▲ Choose 'yes' to enable defer javascript module.		
Exclude controllers	+ Add Match	[STORE VIEW]
▲ Listed controllers will be unaffected by defer javascript. Use: {module}_{controller}_{action}		
Exclude path	+ Add Match	[STORE VIEW]
▲ Listed paths will be unaffected by defer javascript. Use: {module}/{controller}/{action}/... (Example: catalog/product/view/id/1)		
Exclude Home Page	No ▼	[STORE VIEW]
▲ Home page will be unaffected by defer javascript		
Defer Iframes	Yes ▼	[STORE VIEW]
▲ Choose 'yes' to defer load iframe.		
Show Controllers And Paths	Yes ▼	[STORE VIEW]
▲ Help you show controllers and paths of page (table show in end of page).		
Put Javascript In HTML Body Tag	Yes ▼	[STORE VIEW]
▲ Choose 'yes' to put all defer javascript in end of HTML body tag.		
Help exclude javascript	- Add attribute nodefer after <script for prevent defer. - Example: From: <code><script type="text/javascript">...</script></code> To: <code><script nodefer type="text/javascript">...</script></code>	

2.1. Enable Defer JavaScript

You can easily enable or disable BSS Defer JavaScript module by selecting “**Yes**” or “**No**” in the **Enable** box.

2.2. Manage Controllers, Paths, Homepage and Iframes

There may be some pages you do not want them to be affected by Defer JavaScript. Therefore, to exclude impact of BSS Defer JavaScript from some pages, you can fulfill these pages' information into **Excluded** boxes:

- ✓ Exclude controllers and paths: By clicking **Add Match** button and then write down your wished paths or controllers you can disable defer JavaScript on these paths or controllers page.
- ✓ Exclude Homepage: you can disable this module on Homepage through only a click. Select “**Yes**” in the **Exclude Home Page** box, you can disable the module on your homepage.

Exclude controllers	Add Match	[STORE VIEW]
	▲ Listed controllers will be unaffected by defer javascript. Use: {module}_{controller}_{action}	
Exclude path	Add Match	[STORE VIEW]
	▲ Listed paths will be unaffected by defer javascript. Use: {module}/{controller}/{action}/... (Example: catalog/product/view/id/1)	
Exclude Home Page	No	[STORE VIEW]
	▲ Home page will be unaffected by defer javascript	

Please remember that, when you click **Add Match** button, you have to fill in the controllers/ paths which you want not to be affected by our module. You should not leave it blank as below picture:

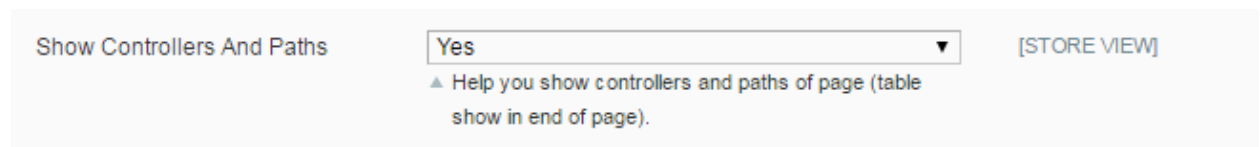
Exclude controllers	<table border="1"> <thead> <tr> <th>Matched Expression</th> <th></th> </tr> </thead> <tbody> <tr> <td><input type="text"/></td> <td>Delete</td> </tr> <tr> <td></td> <td>Add Match</td> </tr> </tbody> </table>	Matched Expression		<input type="text"/>	Delete		Add Match	[STORE VIEW]
Matched Expression								
<input type="text"/>	Delete							
	Add Match							
	▲ Listed controllers will be unaffected by defer javascript. Use: {module}_{controller}_{action}							

Don't leave it blank

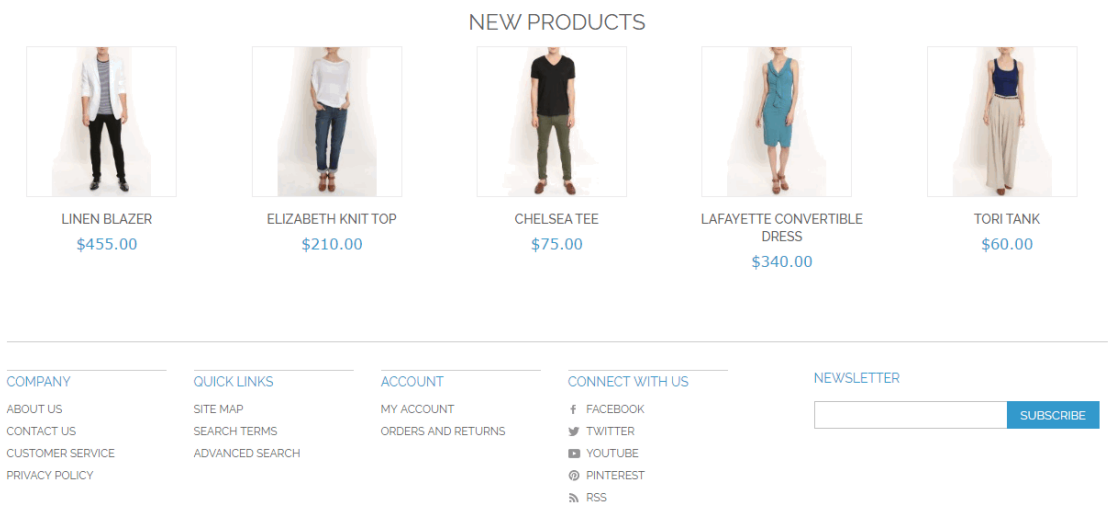
If you do not fill it up, the system will automatically set all pages in your website affected by our module.

You can click on **Delete** button in the right side of the box to close the created blank box.

If you want to disable Defer JavaScript function in some pages, however, you do not know the controllers/ paths to fulfill the **Exclude Controllers** box or **Exclude Paths** box, **Show Controller and Paths** will help you solve the problem. When you select “Yes” like this:



You can see the information you need in the table shown in the end of frontend page. For example:



Controllers and Paths in the end of page

Module	Controller	Action	Path
cms.	index		index/defer-parsing-js/

In **Defer Iframes**: Choose Yes to enable this function, otherwise choose No to disable it.

(If your webpage has some embed code of other sites, it means that the browser has to load JavaScript files of these pages along with your site. This thing will cause defer score of your website decrease or the site does not perform fast enough for better customer experience. Therefore, using Defer JavaScript will help you to defer these Iframes effectively by loading Iframes of these embed sites only when your site finishes loading completely.)

2.3. Put JavaScript in HTML body tag

You can choose Yes in **Put JavaScript in HTML body tag** to put all JavaScript to the end of HTML body tag, following the standard of w3c.

Put Javascript In HTML Body Tag	<input type="text" value="Yes"/>	[STORE VIEW]
	<p>▲ Choose 'yes' to put all defer javascript in end of HTML body tag.</p>	
Help exclude javascript	<p>- Add attribute nodefer after <script for prevent defer.</p> <p>- Example:</p> <p><i>From:</i> <code><script type="text/javascript">...</script></code></p> <p><i>To:</i> <code><script nodefer type="text/javascript">...</script></code></p>	

In addition, we give you an instruction to stop deferring a JavaScript by adding attribute **nodefer** in **<script>**tag. See the example in the image above to understand correctly.

After finishing configuration process, you can click on “**Save Config**” button to save all of your settings with Defer JavaScript.

3. Contact Us



Free 3-month
Support



Free Lifetime
Update



Free
Installation

Any questions or concern about us, feel free contact:

Website: <http://bsscommerce.com>.

Support: support@bsscommerce.com.

Skype: support.bsscommerce

BSS Support team is always ready to aid you with any issue related to our products. Additionally, we also give you Website development and Administration Support.

We do offer:

1. Free installation services for commercial products.
2. Free updates within offered support period.

Our duties:

1. Responsibility for resolving product bugs.
2. Help with technical queries.
3. Technical support in installation and product usage.