HK2  
CSP (Content Security Policy)

short line

Basant Mandal  
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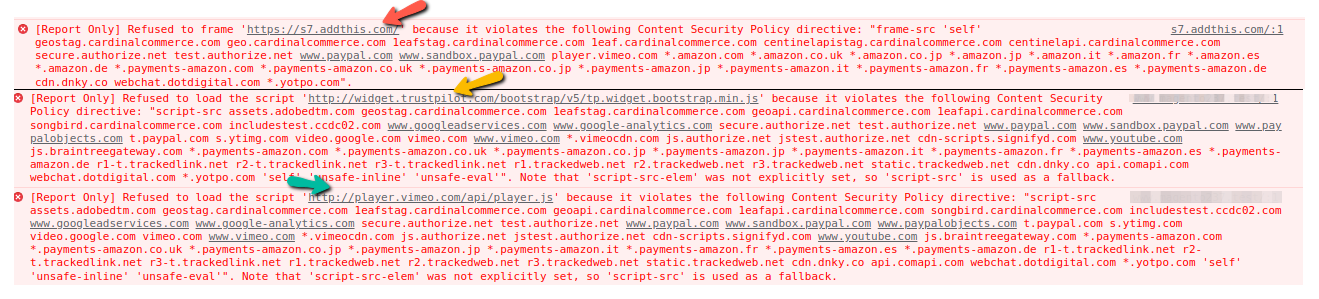
# Introduction

This Module **HK2 CSP Whitelisting** is for Magento version 2.3.5 or above & It whitelist some of the major urls like *Cloudflare, Google Analytics, Google Fonts, Fontawesome, Addthis, Googleapis, Facebook Graph, Pinterest, Vimeo, Twitter, NitroPack/NitroCDN, Trust Pilot* & ContentSquare.

One can disable Magento 2 CSP. However, Disabling results in more possibilities of attacks on the Magento store. (CSP) are a powerful tool to mitigate against **Cross Site Scripting (XSS)** and related attacks.

# When does this type of error occur?

* If you have added any external JS Script Link in your theme/module.
* If you added an external Stylesheet Link in your theme/module.
* If you added an external Iframe in your theme/module.

If you face these types of CSP Errors or the error mentioned in the screenshot?

Errors Like :-

* **Refused to Frame** <https://demosite.com>
* **Refused to Load the Script** <https://demosite.com>
* **Etc, CSP Policy Issues**
* **Violate Content Security Policy Directive**

The above errors can be sorted out by using this module. But don't forget to check whether the problematic url is listed below on the Whitelist URLs Section. If not, Please Check the **Section** - **How Does The Extension Work** else this module won't work in your case. This Module does not disable the CSP Policy, rather it whitelists some of the common urls which are mentioned below.

# Installation Guide

1. Setup :- Extract the zip folder in app/code
2. Run :- **php bin/magento module:enable HK2\_Csp**
3. Run :- **php bin/magento setup:upgrade** from your magento directory

Once Installed, You can check in **Magento Frontend - Browser Console**, Whether you are facing any more CSP Policy Issues.

**Note**:- Please check the URLs which are whitelisted below. This Module does not disable the CSP Policy, rather it whitelists some of the common urls which are mentioned below.

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# How Does The Extension Work?

You can add a domain to the whitelist for a policy (like script-src, style-src, font-src and others) by updating the csp\_whitelist.xml present in **/app/code/HK2/Csp/etc/csp\_whitelist.xml.** Please only create rules for URLs that you have verified as safe & safe for your Magento Store. Ensure that you use a unique "id" (e.g. the URL) for each entry within its group.

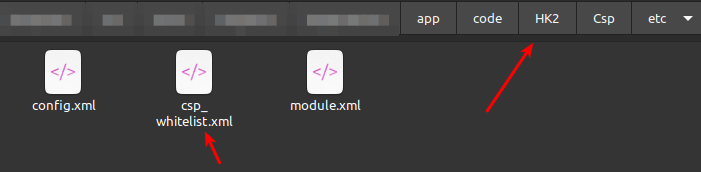
Below screenshot describes Policy Name & Description.



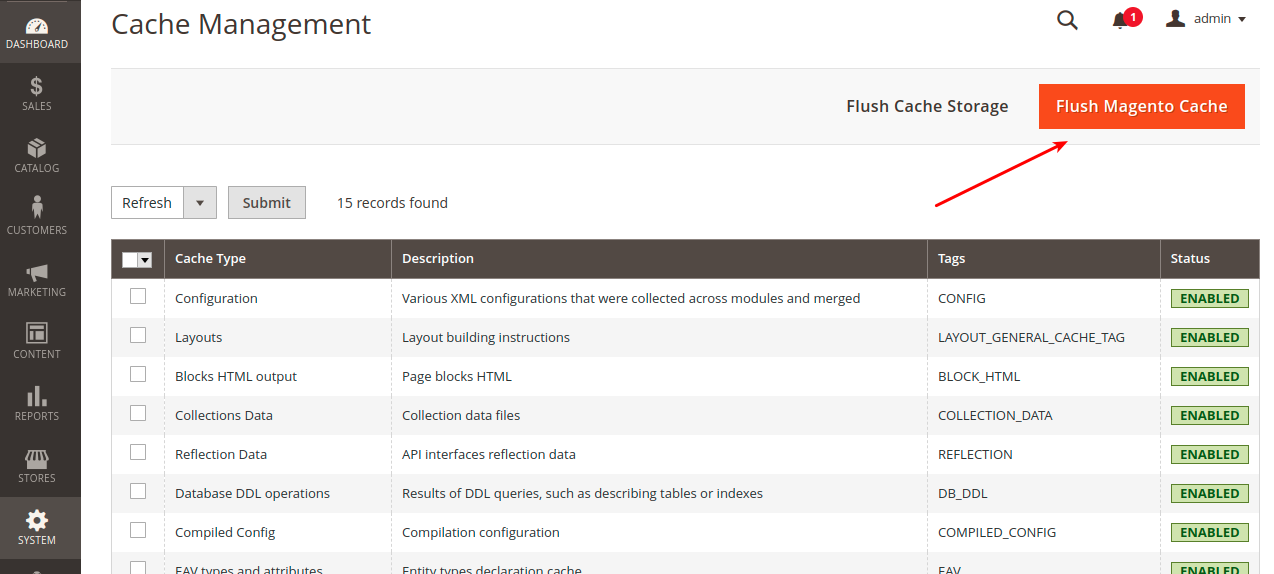
# How to add your own URL for Whitelisting in CSP?

1. How to add your own URL for Whitelisting? -

**Step-1** Open *<magento\_root>app/code/HK2/Csp/etc/csp\_whitelist.xml* from your editor.



1. Now you have to add the url which you want to be whitelisted. Add the URL in the specific Policy, else it wont work. For Example:- Add your script url to be whitelisted in **script-src** & Stylesheet Src in **style-src**. For complete policy list you can visit this link :- [**https://developer.adobe.com/commerce/php/development/security/content-security-policies/#configure-csps-for-your-custom-codeextensiontheme**](https://developer.adobe.com/commerce/php/development/security/content-security-policies/#configure-csps-for-your-custom-codeextensiontheme)
2. Once done, Save the file and Clean the Cache from Admin - System - Tools - Cache Management

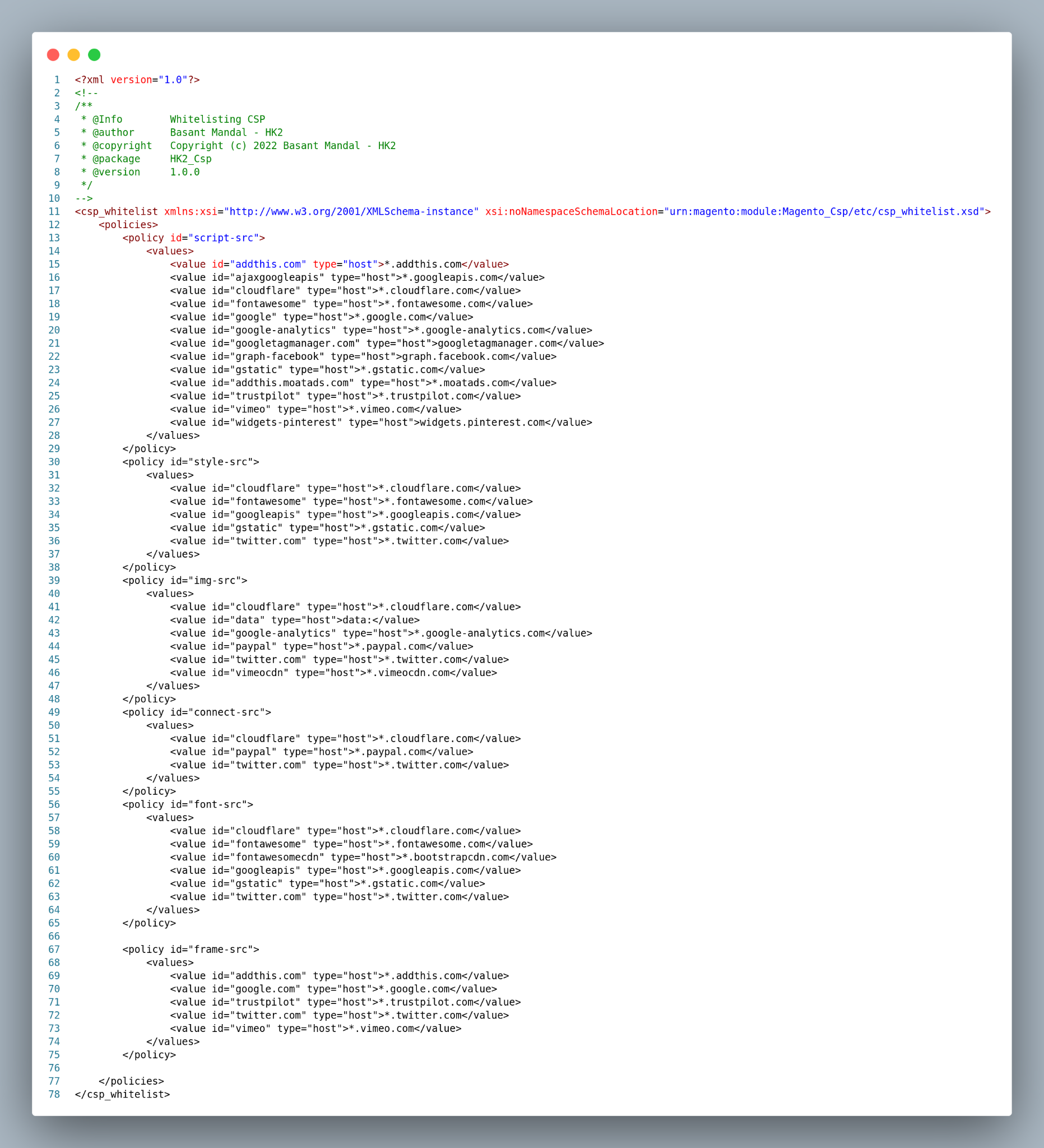
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**Once done, You can see your url has been whitelisted. In case of any error, try checking in a private tab or start from Step-1**

For more information you can check the following link on how to add links to whitelist

* **How to Add Domain in Whitelisting**:- [**https://developer.adobe.com/commerce/php/development/security/content-security-policies/#add-a-domain-to-the-whitelist**](https://developer.adobe.com/commerce/php/development/security/content-security-policies/#add-a-domain-to-the-whitelist)
* **Complete Information on CSP**:- [**https://developer.adobe.com/commerce/php/development/security/content-security-policies**](https://developer.adobe.com/commerce/php/development/security/content-security-policies)
* **Types of CSP & Policy Name & Description:-** [**https://developer.adobe.com/commerce/php/development/security/content-security-policies/#configure-csps-for-your-custom-codeextensiontheme**](https://developer.adobe.com/commerce/php/development/security/content-security-policies/#configure-csps-for-your-custom-codeextensiontheme)

# Screenshot of the *app/code/HK2/Csp/etc/csp\_whitelist.xml.* Where you can add your whitelist urls.



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# Features

1. Fully Customizable as per your Store needs. Please read the above documentation on how to add your own URL for CSP Whitelisting.
2. Simple, 100% Open Source & Free.
3. CSP is not disabled rather specific listed urls are whitelisted, keeping your Magento Store Safe.

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# Disclaimer

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# Support - Bug Reporting

For Bug reporting, Please open an issue at https://github.com/basantmandal/HK2-ScrollTop/issues on GitHub. When filing a bug remember that the better written the bug is, the more likely it is to be fixed.

In case of any feedback or any feature additions feel free to contact at [support@hashtagkitto.co.in](mailto:support@hashtagkitto.co.in)

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# Whitelisted Urls

**Some of the Default URL Whitelisted in module HK2 CSP**

* Addthis (moatads is a part of Addthis)
* Cloudflare
* Facebook Graph
* Fontawesome
* Google Analytics, Google Fonts, Gstatic, Google Tag Manager & Googleapis
* Pinterest
* Trust Pilot
* Twitter
* Vimeo
* ContentSquare

# Complete List of URL Whitelisted

**scripts-src whitelisted**

* \*.addthis.com
* \*.googleapis.com
* \*.cloudflare.com
* \*.fontawesome.com
* \*.google.com
* \*.google-analytics.com
* googletagmanager.com
* graph.facebook.com
* \*.gstatic.com
* \*.moatads.com
* \*.trustpilot.com
* \*.vimeo.com
* Widgets.pinterest.com
* \*.contentsquare.net

**style-src whitelisted**

* \*.cloudflare.com
* \*.fontawesome.com
* \*.googleapis.com
* \*.gstatic.com
* \*.twitter.com

**img-src whitelisted**

* \*.cloudflare.com
* data:
* \*.google-analytics.com
* \*.paypal.com
* \*.twitter.com
* \*.vimeocdn.com
* \*.contentsquare.net

**connect-src whitelisted**

* \*.cloudflare.com
* \*.paypal.com
* \*.twitter.com

**font-src whitelisted**

* \*.cloudflare.com
* \*.fontawesome.com
* \*.googleapis.com</value>
* \*.gstatic.com
* \*.twitter.com

**frame-src whitelisted**

* \*.addthis.com
* \*.google.com
* \*.trustpilot.com
* \*.twitter.com
* \*.vimeo.com