

# Reinforce Sage X3 security

## White list for Iframes

*Sage X3 V12  
Release 2021 R2*

*Revised April 2021*



The purpose of this document is to detail the security enhancement done in 2021 R2.

### **Your feedback and questions are important**

Your feedback is valuable. If you have questions not covered in this document, please contact Sage Customer Support.

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# White list for iframes

Iframes is becoming an “old” technology that can present risks in terms of security. An Iframe is a block present in a web page, that embeds another HTML page provided by a web server. Few services are still usable as Iframes, but most of them don’t accept it (most of the newspapers sites, for example, don’t accept to be integrated in iframes).

An example of an iframe that is still accepted is Wikipedia. In a home page, you can integrate such a page:

## My page

| ERPUS | FR011 | 9/16/2018 | POFR0110063 | FR055 | Apricot                 | Order | 331.8  | EUR | 1 |
|-------|-------|-----------|-------------|-------|-------------------------|-------|--------|-----|---|
| ERPUS | NA011 | 7/24/2018 | PONA0110063 | NA053 | American Supply Inc     | Order | 18.34  | USD | 1 |
| ERPUS | NA012 | 4/2/2018  | PONA0120073 | ES051 | Rotor Bike Components   | Order | 2.34   | EUR | 1 |
| ERPUS | NA023 | 3/27/2018 | PONA0230087 | NA055 | General Supply Company  | Order | 1,205  | USD | 1 |
| ERPZA | NA021 | 3/26/2018 | PONA0210105 | NA055 | General Supply Company  | Order | 2,640  | USD | 1 |
| ERPZA | NA022 | 12/3/2018 | PONA0220088 | NA058 | Highway Two Industrials | Order | 2,456  | USD | 1 |
| ERPZA | ZA012 | 3/17/2018 | POZA0120001 | ZA061 | Shimano South Africa    | Order | 23,000 | ZAR | 1 |

The screenshot shows the Wikipedia homepage. At the top, it says 'Welcome to Wikipedia, the free encyclopedia that anyone can edit. 6,289,082 articles in English'. Below this, there are sections for 'From today's featured article' and 'In the news'. The featured article is 'Whitehawk Camp' with a diagram of a causewayed enclosure. The news section includes 'American astronaut Michael Collins (pictured), the command module pilot for Apollo 11, dies at the age of 90.', 'At the Academy Awards, Nomadland wins three awards, including Best Picture.', and 'A fire at a COVID-19 hospital in Baghdad,'.

Other examples that are still accepted are google maps and open street map.

In any case, iframes that refers to malicious websites can present a security risk, and we need to protect Sage X3 from this kind of risk.

The release 2022 R1 includes a new function, called *External URL policies*. This function allows to declare all the URL that are allowed in iframes. The screen looks like this:

### External Url Policies

Actions ⋮

| Enabled                             | Name          | Url                                     | Type     | Factory Owner |
|-------------------------------------|---------------|---|----------|---------------|
| <input type="checkbox"/>            |               |   |          |               |
| <input checked="" type="checkbox"/> | Google        | https://www.google.com                  | Embedded | SAGE          |
| <input checked="" type="checkbox"/> | Google Maps   | https://www.google.fr/maps              | Embedded | SAGE          |
| <input checked="" type="checkbox"/> | OpenStreetMap | https://*.openstreetmap.org             | Embedded | SAGE          |
| <input checked="" type="checkbox"/> | Mywiki        | https://en.wikipedia.org/wiki/Main_Page | Embedded |               |

This function is delivered in standard with 3 records (with a factory owner equal to SAGE), because some functional pages use Google, google maps, and OpenStreetMap. The fourth line has been added in the example to allow using Wikipedia in the portal page presented above. Note that URLs can include an asterisk as wildcard (OpenStreetMap here).

If you don't use some of the sites mentioned in the list, you can deactivate them by unchecking the *Enabled* check box:

**External Url Policy** Actions

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**Information** ^

**Name \***  **Url \***

**Type**  Embedded  **Enabled**  **Factory Owner**

Service

Take care that **any iframe that uses an address not present in the white list will be blocked.**

If this is the case, the page will look like this, with a message that tells:  
*The content is blocked. Contact the site owner to fix the issue*

The screenshot shows the Sage X3 interface. At the top, there's a navigation bar with 'Miscellaneous receipts', 'Files', 'Menu Items', and 'External URL policies'. Below that, the 'My page' section contains a table with columns for 'ERP2A', 'ERP2A', 'Date', 'PON', 'NAD', 'Company', 'Order', 'Amount', 'Currency', and 'Count'. The table has four rows of data. Below the table is a 'MYWIKI' section which is currently blocked, indicated by a red box around a message: 'This content is blocked. Contact the site owner to fix the issue.'

Note that the browser also displays this message if the external site doesn't allow a use in iframes.

If you use iframes on some X3 pages for servers you trust (for example internal servers), you must add them to the list of external URL policy after installing the release 2021 R2, otherwise the pages won't appear anymore.