



OX Abuse Shield  
**Release Notes for Release 2.4.1**  
2021-07-08

## Copyright notice

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# 1 General Information

Open-Xchange is pleased to announce the release of OX Abuse Shield v2.4.1.

OX Abuse Shield provides abuse-prevention for Web Applications (including Webmail), POP, and IMAP. It is integrated with both OX App Suite and OX Dovecot Pro to prevent login and authentication abuse as well as protecting against brute-force attacks.

The goal of OX Abuse Shield is to detect brute forcing of passwords across many servers, services and instances, as well as enforce policy for authentication and authorization. In order to support the real world, brute force detection policy can be tailored to deal with "bulk, but legitimate" users of your service, as well as botnet-wide slow-scans of passwords.

The OX Abuse Shield v2.4.1 provides the following main improvements and new features

- Dynamic management of siblings via Lua functions and REST API
- Optional per-sibling encryption keys
- Added packaging and support for Amazon Linux 2

## What's New in General

Open-Xchange now provides more detailed overviews, data sheet and product guide, relating to new product major release. These can be found at <https://www.open-xchange.com/resources/ox-product-updates/whats-new/>

## Download and Installation

For further details about OX Abuse Shield installation, mandatory and optional packages, policies, please refer to the documentation provided: [https://oxpedia.org/wiki/index.php?title=AppSuite:OX\\_Abuse\\_Shield](https://oxpedia.org/wiki/index.php?title=AppSuite:OX_Abuse_Shield)

## General Information - Please Note

Open-Xchange encourages administrators to regularly update to the latest available release. To ensure a stable and up to date environment please note the different versions supported. An overview of the latest supported Major, Minor and Public Patch Releases can be found in the OXpedia at: [https://oxpedia.org/wiki/index.php?title=OXAbuseShield:Version\\_Support\\_Commitment](https://oxpedia.org/wiki/index.php?title=OXAbuseShield:Version_Support_Commitment)

## Dynamic Management of Siblings via Lua functions

Before this release, siblings could only be defined as part of the startup configuration; there was no way to add or remove siblings dynamically while wforce was running. With this release all sibling management functions in Lua can be used from the console to add/remove siblings at runtime. In addition, per-sibling encryption keys can optionally be specified.

The complete set of sibling management functions is as follows:

- `setSiblings()`
- `setSiblingsWithKey()` (New)
- `addSibling()`
- `addSiblingWithKey()` (New)
- `removeSibling()` (New)

For full details, see the wforce.conf man page.

### **Dynamic Management of Siblings via REST API**

New REST API endpoints enable siblings to be managed dynamically.

The new REST API endpoints are as follows:

- `/?command=addSibling`
- `/?command=removeSibling`
- `/?command=setSibling`

For more details see the wforce OpenAPI specification, which is available at <https://powerdns.github.io/weakforced/>

Note that the REST API does not currently support TLS natively, so use of a HTTPS reverse proxy on localhost is strongly recommended when specifying per-sibling encryption keys.

### **Optional Per-Sibling Encryption Keys**

All the methods of managing siblings (Lua or REST API) enable per-sibling encryption keys to be set. Encryption keys are 32-byte strings that are Base-64 encoded before passing to the sibling management functions or REST API.

## **2 Shipped Product and Version**

Open-Xchange Abuse Shield v2.4.1

Find more information about product versions and releases at [http://oxpedia.org/wiki/index.php?title=AppSuite:Versioning\\_and\\_Numbering](http://oxpedia.org/wiki/index.php?title=AppSuite:Versioning_and_Numbering) and <http://documentation.open-xchange.com/>.