

TYPO3 Core - Bug #94113

Trusted SERVER_NAME check is broken when a HTTPS broker proxies requests to a HTTP backend

2021-05-11 18:45 - Benjamin Franzke

Status:	Closed	Start date:	2021-05-11
Priority:	Should have	Due date:	
Assignee:	Benjamin Franzke	% Done:	100%
Category:	System/Bootstrap/Configuration	Estimated time:	0.00 hour
Target version:	next-patchlevel	Complexity:	
TYPO3 Version:	10	Is Regression:	
PHP Version:		Sprint Focus:	
Tags:			

Description

Scenario: * Proxy Server HTTPS (SSL termination) => Port 443 * Application Server HTTP => Port 80 * Default trustedHostsPattern configuration (GeneralUtility::ENV_TRUSTED_HOSTS_PATTERN_SERVER_NAME)

<https://mydomain.com> (e.g. via nginx server) -> proxied to apache backend -> <http://10.0.0.1/>

Proxy configuration like:

```
location / {
    proxy_set_header Host $host;
    proxy_set_header X-Real-IP $remote_addr;
    proxy_pass http://10.0.0.1;
}
```

Because of the HOST_NAME verification that considers the proxy port is equal to the local webserver port, such configurations currently need to configure a slow custom trustedHostsPattern, although 'mydomain.com' is the correct SERVER_NAME.

Associated revisions

Revision 2da5fed0 - 2021-05-19 14:27 - Benjamin Franzke

[BUGFIX] Fix HTTP_HOST verification when HTTPS is proxied to HTTP

The HTTP_HOST verification failed if the proxy server port was different to the local webserver port, due to an assumption in `hostHeaderValueMatchesTrustedHostsPattern()` that concluded that the local webserver port needs to match the default port of the proxy server.

In case a HTTPS termination proxy is used, that assumption can not be made, as it is common practice to use HTTP backends behind a HTTPS proxy in private networks. Therefore the port is now verified against the default port of the current webserver, not a possible proxy server.

Scenario: * Proxy Server HTTPS (SSL termination) => Port 443 * Application Server HTTP => Port 80 * Default trustedHostsPattern setting

It was previously required to configure a (slow) trustedHostsPattern to circumvent this issue.

Releases: master, 10.4

Resolves: #94113

Change-Id: I294b87164aee834d8c0b5e0a75da3e19051fe592

Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+66613>

Tested-by: core-ci <typo3@b13.com>

Tested-by: Christian Kuhn <lolli@schwarzbu.ch>

Tested-by: Jochen <rothjochen@gmail.com>

Tested-by: Benjamin Franzke <bfr@qbus.de>

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Reviewed-by: Benjamin Franzke <bfr@qbus.de>

Revision 55b85a38 - 2021-05-19 14:43 - Benjamin Franzke

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Reviewed-on: <https://review.typo3.org/c/Packages/TYPO3.CMS/+69192>

Tested-by: core-ci <typo3@b13.com>

Tested-by: Benjamin Franzke <bfr@qbus.de>

Reviewed-by: Benjamin Franzke <bfr@qbus.de>

History

#1 - 2021-05-11 19:10 - Gerrit Code Review

- Status changed from New to Under Review

Patch set 2 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+66613>

#2 - 2021-05-11 20:16 - Gerrit Code Review

Patch set 3 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+66613>

#3 - 2021-05-13 09:33 - Gerrit Code Review

Patch set 4 for branch **master** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+66613>

#4 - 2021-05-19 14:27 - Gerrit Code Review

Patch set 1 for branch **10.4** of project **Packages/TYPO3.CMS** has been pushed to the review server. It is available at <https://review.typo3.org/c/Packages/TYPO3.CMS/+69192>

#5 - 2021-05-19 18:55 - Benjamin Franzke

- Status changed from Under Review to Resolved

- % Done changed from 0 to 100

Applied in changeset [2da5fed05699307d6a71994ffa8588dd3b0f70c0](https://review.typo3.org/c/Packages/TYPO3.CMS/+69192).

#6 - 2021-09-07 07:34 - Benni Mack

- Status changed from Resolved to Closed