

## TYPO3 Core - Epic #87417

### Integrate proper Content Security Policy (CSP) handling

2019-01-13 10:58 - Oliver Hader

<b>Status:</b>	New	<b>Start date:</b>	2019-01-13
<b>Priority:</b>	Should have	<b>Due date:</b>	
<b>Assignee:</b>	Oliver Hader	<b>% Done:</b>	49%
<b>Category:</b>	Security	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Candidate for Major Version		
<b>Sprint Focus:</b>			
<b>Description</b>			
<p>In order to reduce risks of cross-site scripting in the TYPO3 backend proper CSP handling shall be integrated into the TYPO3 core. Just setting the headers is not enough since also reporting, management and adjustment of core components as well as 3rd party components (extensions) are required.</p> <p>The functionality is outlined like this</p> <ul style="list-style-type: none"><li>• CSP management &amp; configuration module (either on a site level or for whole TYPO3 installation)</li><li>• CSP violation reporting endpoint in order to identify flaws and violations earlier (might be misconfiguration or vulnerability)</li><li>• CSP manifest definition that allows 3rd party extensions to use resources of remote hosts (to be used in management module)</li><li>• adjustment and refactoring of TYPO3 core components &amp; guidelines for extension authors</li></ul>			
<b>Subtasks:</b>			
Task # 87418: Refactor and remove usage of inline scripts in backend			<b>In Progress</b>
Task # 91015: Reduce inline JavaScript in ext:beuser			<b>Closed</b>
Task # 91016: Reduce inline JavaScript in ext:filelist			<b>Closed</b>
Task # 91052: Reduce inline onchange events in backend scope			<b>Closed</b>
Task # 91109: Reduce inline JavaScript in ext:redirects and ext:scheduler			<b>Closed</b>
Task # 91110: Remove superfluous onclick events in FormEngine			<b>Closed</b>
Task # 91111: Reduce inline JavaScript in QueryView			<b>Closed</b>
Task # 91117: Use GlobalEventHandler and ActionDispatcher instead of inline JS			<b>Closed</b>
Task # 91120: Remove superfluous inline JavaScript assignment in ext:beuser			<b>Closed</b>
Task # 91122: Introduce DocumentService as JQuery.ready substitute			<b>Closed</b>
Task # 91123: Avoid inline JavaScript generated by BackendUtility:viewOnClick			<b>Closed</b>
Task # 91124: Add substitutes for module menu navigation			<b>Closed</b>
Task # 94058: Remove goToModule() inline JavaScript invocations			<b>Closed</b>
Task # 94762: Introduce ModuleStateStorage replacing fsMod			<b>Closed</b>
Task # 94828: Avoid errors when using ModuleStateStorage			<b>Closed</b>
Task # 91125: Add substitutes for declaring static inline settings			<b>Closed</b>
Task # 91132: Reduce inline JavaScript in ext:setup			<b>Closed</b>
Task # 91191: Reduce inline JavaScript for refreshing backend components			<b>Closed</b>
Task # 91786: Replace RequireJS module loading and invocation			<b>Resolved</b>
Task # 91787: Deprecate and replace inline JavaScript in FormEngine			<b>Closed</b>
Task # 91795: Replace window.open with WindowManager & PreviewUriBuilder			<b>Closed</b>
Task # 91804: Remove inline JavaScript from backend paginate view helper			<b>Closed</b>
Task # 91815: Remove window.open inline JavaScript			<b>Closed</b>
Task # 91820: Remove inline onclick code from MoveElementController			<b>Closed</b>
Task # 93899: Replace inline JS of FormEngine reload request			<b>Closed</b>
Task # 94766: Remove obsolete inline JavaScript related to BE routing			<b>Closed</b>
Task # 94770: Avoid inline JavaScript in Constant Editor			<b>Closed</b>
Task # 94777: Avoid inline JavaScript in DatabaseRecordList			<b>Closed</b>
Task # 95200: Streamline requireJS usage in FormEngine			<b>Closed</b>
Task # 95260: Substitute inline onclick events for ShortcutMenu			<b>Closed</b>
Task # 95266: Remove inline JavaScript from Install Tool			<b>Closed</b>

Task # 95276: Clean up code & add deprecation comments	Closed
Task # 95277: Refactor new content element realm	Closed
Task # 95278: Deprecate inline JavaScript in ModuleTemplate components	Closed
Task # 95873: Use explicit JavaScript module instructions in dashboard	Resolved
Task # 95874: Avoid JavaScript eval function in FormEngine AjaxDispatcher	Closed
Task # 95896: Remove inline JavaScript in ViewModule	Resolved
Task # 95953: Transform JavaScriptHandler.js to be hybrid IIFE and AMD	Resolved
Task # 95954: Reduce inline JavaScript in FormEngine AJAX responses	Resolved
Task # 95989: Avoid inline JavaScript in Scheduler	Resolved
Task # 96002: Avoid inline JavaScript in backend update signals	Resolved
Task # 96003: Avoid inline JavaScript in DispatchNotificationHook	Resolved
Task # 96012: Avoid inline JavaScript in OpendocsToolbarItem::updateNumberOfOpenDocsHook	Resolved
Task # 96018: Avoid inline JavaScript in f.be.menus.actionMenu	Resolved
Task # 96019: Avoid inline JavaScript in wizard EditController	Resolved
Task # 96020: Deprecate \TYPO3\CMS\Backend\Form\Behavior\OnFieldChangeInterface	On Hold
Task # 96136: Deprecate inline JavaScript in backend update signals	Resolved
Task # 96158: Remove support for inline JavaScript in fieldChangeFunc	Resolved
Task # 96185: Avoid inline JavaScript in LinkBrowserController	Resolved
Task # 96187: Avoid CKEditor4 inline JavaScript	Accepted
Task # 96524: Deprecate inline JavaScript in Dashboard	Resolved
Task # 96565: Avoid inline javascript for clipboard paste in PageLayoutController	Resolved
Task # 96566: Streamline DragUploader JavaScriptModuleInstruction	Resolved
Task # 87419: Deprecate functionality used to add inline styles & scripts	On Hold
Feature # 87420: Integrate signatures for Stylesheet and JavaScript resources	Accepted
Feature # 87421: Integrate CSP reporting endpoint	Accepted
Task # 87422: Integrate extension meta-manifest	Accepted
Feature # 87423: Integrate CSP management module	Accepted
Task # 91785: Refactor and remove inline styles in backend	Accepted
Task # 91216: Replace <style> for compliance with CSP header	Closed
Task # 91806: Deprecate BackendUtility::viewOnClick	Closed
Task # 91814: Deprecate TYPO3\CMS\Backend\Template\Components\AbstractControl::setOnClick	Closed
Task # 95898: Extend build process to monitor Content Security Policy violations	Resolved
<b>Related issues:</b>	
Related to TYPO3 Core - Task #73047: Content-Security-Policy for the Backend	Closed 2016-01-31
Related to TYPO3 Core - Task #95041: Extract default inline frontend JavaScript	Closed 2021-08-30
Related to TYPO3 Core - Task #95151: Replace inline JavaScript in AbstractPlugin	Closed 2021-09-08

## History

### #1 - 2019-01-13 10:58 - Oliver Hader

- Related to Task #73047: Content-Security-Policy for the Backend added

### #2 - 2019-01-13 11:35 - Oliver Hader

- Assignee deleted (Oliver Hader)

### #3 - 2019-01-13 12:00 - Oliver Hader

- Assignee set to Oliver Hader

### #4 - 2021-09-08 12:36 - Oliver Hader

- Related to Task #95041: Extract default inline frontend JavaScript added

### #5 - 2021-09-08 12:53 - Oliver Hader

- Related to Task #95151: Replace inline JavaScript in AbstractPlugin added