

# Configure HTML Sanitization

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## V9.5

### Overview

To protect HTML content against various attacks including cross-site scripting you must sanitize it. Using this functionality we enable our clients to have full control on the HTML content being displayed on Flowtime.

At present, HTML sanitization is enabled for Conversations View in Cora SeQuence. The HTML content saved in Cora SeQuence database, is sanitized before being fetched and displayed in the Conversations View, however, the actual content in the database remains unchanged.

HTML Sanitizer functionality is enabled by default with the deployment.

You can enable or disable this functionality from the `HtmlSanitizationRules.xml` file in the `~Shared Resources\Components\HtmlSanitizer` folder in your system.

Sample `HtmlSanitizationRules.xml` file template

```
class,face

mailto,data
```

### XML Elements

Element	Value	Description
enabled	true (default) false	Enables or disables HTML sanitization

Element	Value	Description
allowDataAttributes	true false (default)	Allows usage of data attributes
keepChildNodes	true false (default)	Allows to keep intact the content from restricted nodes.

In XML file, following are the default configuration elements and parameters supported.

#### Allowed attributes

background-clip, background-origin, background-size, border-bottom-left-radius, border-bottom-right-radius, border-image, border-image-outset, border-image-repeat, border-image-slice, border-image-source, border-image-width, border-radius, border-top-left-radius, border-top-right-radius, font-feature-settings, font-kerning, font-language-override, font-size-adjust, font-stretch, font-synthesis, font-variant-alternates, font-variant-caps, font-variant-east-asian, font-variant-ligatures, font-variant-numeric, font-variant-position, outline-offset, overflow-wrap, overflow-x, overflow-y, text-decoration-color, text-decoration-line, text-decoration-skip, text-decoration-style

#### Allowed tags

a, abbr, acronym, address, area, article, aside, b, bdi, big, blockquote, br, button, caption, center, cite, code, col, colgroup, data, datalist, dd, del, details, dfn, dir, div, dl, dt, em, fieldset, figcaption, figure, font, footer, form, h1, h2, h3, h4, h5, h6, header, hr, i, img, input, ins, kbd, keygen, label, legend, li, main, map, mark, menu, menuitem, meter, nav, ol, optgroup, option, output, p, pre, progress, q, rp, rt, ruby, s, samp, section, select, small, span, strike, strong, sub, summary, sup, table, tbody, td, textarea, tfoot, th, thead, time, tr, tt, u, ul, var, wbr

#### Allowed CSS properties

background, background-attachment, background-color, background-image, background-position, background-repeat, border, border-bottom, border-bottom-color, border-bottom-style, border-bottom-width, border-collapse, border-color, border-left, border-left-color, border-left-style, border-left-width, border-right, border-right-color, border-right-style, border-right-width, border-spacing, border-style, border-top, border-top-color, border-top-style, border-top-width, border-width, bottom, caption-side, clear, clip, color, content, counter-increment, counter-reset, cursor, direction, display, empty-cells, float, font, font-family, font-size, font-style, font-variant, font-weight, height, left, letter-spacing, line-height, list-style, list-style-image, list-style-position, list-style-type, margin, margin-bottom, margin-left, margin-right, margin-top, max-height, max-width, min-height, min-width, opacity, orphans, outline, outline-color, outline-style, outline-width, overflow, padding, padding-bottom, padding-left, padding-right, padding-top, page-break-after, page-break-before, page-break-inside, quotes, right, table-layout, text-align, text-decoration, text-indent, text-transform, top, unicode-bidi, vertical-align, visibility, white-space, widows, width, word-spacing, z-index

#### Allowed CSS at-rules

namespace, style

## Allowed Uri schemes

http, https

## Allowed Uri attributes

action, background, dynsrc, href, lowsrc, src

## Customized sanitization rules

You can customize the HTML sanitization rules per your need by adding new rules to the HtmlSanitizationRules XML file.

### NOTE

Do not modify the default `HtmlSanitizationRules.xml` file.

1. Create a copy of the default HTML sanitization rules XML file in the following locations in your system, and rename the file.

For Administration:

```
~\Administration\Shared Resources\Components\HtmlSanitizer
```

For Flowtime:

```
~\Flowtime\Shared Resources\Components\HtmlSanitizer
```

2. Add a key to the  `:` section in web.config file, with new XML file name as value for this key.