

Appendix

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Appendix A: List of useful CSS definitions for button styling

The *Button Editor* makes heavy use of CSS definitions for styling buttons. The following lists give an overview on frequently used CSS properties.

A.1. Colors

The following color expressions can be used in menubar:

- Color names: `black`, `white`, `red`, etc.
- Hex values, three or six digits: `#f80`, `#ff8800`
- Hex values, four or eight digits (alpha channel): `#f087`, `#ff008877`
- RGB and RGBA: `rgb(255,127,0)`, `rgba(255,127,0,.5)` or `rgb(255 127 0)`, `rgba(255 127 0 / .5)`
- HSL and HSLA: `hsl(360,100%,50%)`, `hsla(360,100%,50%,.8)` or `hsl(360 100% 50%)`, `hsla(360 100% 50% / .8)`
- ARGB: `=argb(127,255,63,15)` with the alpha channel being a value between 0 and 255.

Appendix B: White- and Blacklist for Actions



The config file will be reset after every update. Please make a backup of your config file and edit the new config file after every update.

With the *config.js* file located in the extension folder, actions of the button can either be black- or whitelisted. Blacklisted actions are not available while whitelisted actions are. The combination of both methods is necessary to create specific scenarios, where all actions are blacklisted for a user group but some users have whitelisted actions.

The listing rules can be defined for user directories and users. Just enter the user directory name(s) and the user name(s). Writing a "" **will target all users or user directories depending on where the "" is used.**

If there are no actions available after setting the config make sure that the action "none" is set as a whitelisted action. Also, it's important to note that the trigger is not visible and can not be reused when the trigger is already defined but is blocked because of the config. For example, an `onClick` trigger cannot be set two times. The only exception are custom triggers which can be defined multiple times.

```
{
  // alle users and all directories
  match: {
    UserDirectory: ["*"],
    UserId: ["*"]
  },
  actions: [
    "none",
    "custom",
    "reloadData",
    "customClickBehaviour"
  ],
},
```

Figure 61. Listing example.

Appendix C: List of actions for triggers

The following actions can be attached to events that trigger a button.

C.1. None

Action	Parameters
None	<i>No parameters.</i>

C.2. Custom

Action	Parameters
Custom	A custom JS function to be executed with the <i>Custom</i> event.

C.3. Navigation

Action	Parameters
Next sheet /page	<i>No parameters.</i>
Previous sheet /page	<i>No parameters.</i>
Go to sheet	<i>Sheet id</i> of the sheet to go to; can be entered manually or automatically by using the drop-down list.
Go to story	<i>Story id</i> of the story to go to; can be entered manually or automatically by using the drop-down list.
Go to url	Specify the URL in the <i>Url</i> input box and the target in the <i>Target</i> list. The <i>Mashup only</i> option restricts the action to mashups.
Go to app	<p>Specify the id of the app you'd like to navigate to in the <i>App ID</i> input box and the id of the specific sheet in the <i>Sheet ID</i> input.</p> <p>If you select <i>Email</i> as the target you can further specify an <i>email address</i>, <i>email subject</i> and <i>email body</i>. You can use <i>{0}</i> as a placeholder for the generated link. You can also add a custom text for the link. The link will then show the text as specified. If omitted, it will be inserted at the end of the body. You can also specify the link to be opened in the <i>same</i>, <i>new</i>, <i>custom named window</i> or just be copied to the clipboard.</p> <p>If you use the email option, the email will be generated as an eml file. That way the email can have custom html and allows the option for the individual link. In order to download the eml file, the system administrators have to enable the option to download the generated eml file in the browsers. Currently all browsers handle the download of eml files differently. In general all browsers need to allow downloads. Then either save the eml file or open it directly.</p> <p>It is possible to <i>clear all selections</i> or apply <i>current selections</i> in the target app by checking the corresponding checkboxes. For <i>current selections</i> to work, the currently selected fields/dimensions need to be present in the target app as well.</p> <p>Additionally you can add optional parameters to apply specific selections or a bookmark.</p> <p>Limitations:</p> <ul style="list-style-type: none"> • In "Qlik Sense Desktop" the <i>Email</i> target doesn't work. • Eml files are necessary because direct emails can not handle the sense links correctly • Generated eml files are shown as possible bad software by some browsers • Links in outlook don't open selections correctly when using the link directly, to open the links use the copy hyperlink option • Fields/Dimensions containing "%" characters, they will not be applied. • When importing apps from another system, their ID changes. So, for example, if you designed a target app locally and push it to a server, this action will no longer work since the target app ID has changed. It needs to be manually repaired. This is also the case when publishing.

Share app	<p>Specify the <i>target</i> of a generated link to be shared as email or added to clipboard.</p> <p>If you select <i>Email</i> as the target you can further specify an <i>email address</i>, <i>email subject</i> and <i>email body</i>. You can use <i>{0}</i> as a placeholder for the generated link. You can also add a custom text for the link. The link will then show the text as specified. If omitted, it will be inserted at the end of the body.</p> <p>If you use the email option, the email will be generated as an eml file. That way the email can have custom html and allows the option for the individual link. In order to download the eml file, the system administrators have to enable the option to download the generated eml file in the browsers. Currently all browsers handle the download of eml files differently. In general all browsers need to allow downloads. Then either save the eml file or open it directly.</p> <p>Target clipboard adds the generated link to the clipboard and shows a message to the user.</p> <p>Limitations:</p> <ul style="list-style-type: none"> • In "Qlik Sense Desktop" the <i>Email</i> target doesn't work. • In mashup/story mode the URL can't be properly generated. • Eml files are necessary because direct emails can not handle the sense links correctly • Generated eml files are shown as possible bad software by some browsers • Links in outlook don't open selections correctly when using the link directly, to open the links use the copy hyperlink option
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C.4. Sense

Action	Parameters
Set variable	Specify the variable and value to be set in the <i>Sense variable</i> and <i>Variable content</i> input box. The <i>Keep</i> option keeps the value unchanged if it's already set.
Select value(s)	Select the field and value(s) in the <i>Field name</i> and <i>Value(s)</i> input box. The <i>Toggle</i> option will toggle between selected states. The <i>Soft lock</i> option sets locked selections to be overridden. The <i>Keep</i> option sets existing selections for the selected field to remain unchanged. The <i>Add</i> option sets the values to be added to the existing selection.
Select match	Specify the field to be selected and value(s) in the <i>Field name</i> and <i>Value(s)</i> input box. The <i>Soft lock</i> option sets locked selections to be overridden. The <i>Keep</i> option sets existing selections for the selected field to remain unchanged.
Select alternative	Specify the field to be selected in the <i>Field name</i> input box. The <i>Soft lock</i> option sets locked selections to be overridden.
Select excluded	Specify the field to be selected in the <i>Field name</i> input box. The <i>Soft lock</i> option sets locked selections to be overridden.
Select possible	Specify the field to be selected in the <i>Field name</i> input box. The <i>Soft lock</i> option sets locked selections to be overridden.
Select all	Specify the field to be selected in the <i>Field name</i> input box. The <i>Soft lock</i> option sets locked selections to be overridden.
Selection backward	<i>No parameters.</i>
Selection forward	<i>No parameters.</i>
Clear field	Select the field to be cleared in the <i>Field name</i> input box.
Clear other	Select the field in the <i>Field name</i> input box. The <i>Soft lock</i> option sets locked selections to be overridden.
Clear all	Set the <i>Locked also</i> option to also clear locked selections.
Lock field	Select the field in the <i>Field name</i> input box.
Lock all	Set the <i>Locked also</i> option to also clear locked selections.
Unlock field	Select the field in the <i>Field name</i> input box.
Unlock all	<i>No parameters.</i>
Apply bookmark	<i>Bookmark id</i> which can be entered manually or automatically by using the drop-down list.
Reload data	Set the desired mode in the <i>Mode</i> list. Set the <i>Partial</i> option to do only a partial reload.



The *Reload data* action should be used with extreme care as reloading the app triggers a sheet reload which can result in the complete loss of unsaved comments on this sheet. Additionally, in the case of publicated apps, it is necessary to create a corresponding *Security Rule* on the *Qlik Sense* server.

C.5. Other

Action	Parameters
Toggle fullscreen	Expression which must result 0 (disable fullscreen), 1 (go to fullscreen) or can be empty (toggles current fullscreen mode). This action is only on click trigger available, due to browser security restrictions.