Web Viewer

Category	Requires	Version
Layout > Views	API 19, Android 4.4 - 4.4.4 KitKat	13

Overview

Component for viewing Web pages. The Home URL can be specified in the Designer or in the Blocks Editor. The view can be set to follow links when they are tapped, and users can fill in Web forms. Warning: This is not a full browser. For example, pressing the phone's hardware Back key will exit the app, rather than move back in the browser history.

You can use the WebViewer.WebViewString property to communicate between your app and Javascript code running in the Webviewer page. In the app, you get and set WebViewString. In the WebViewer, you include Javascript that references the window.Makeroid object, using the methods *getWebViewString()* and *setWebViewString(text)*.

For example, if the WebViewer opens to a page that contains the Javascript command
document.write("The answer is" + window.Makeroid.getWebViewString());
and if you set WebView.WebVewString to "hello", then the web page will show
The answer is hello.
And if the Web page contains Javascript that executes the command
window.Makeroid.setWebViewString("hello from Javascript"),
then the value of the WebViewString property will be
hello from Javascript.

> **Permissions**   ⌄
>
>   • android.permission.INTERNET
>   • android.permission.READ_EXTERNAL_STORAGE

- android.permission.WRITE_EXTERNAL_STORAGE

Events

After JS Evaluated

Get the result of the evaluated JS

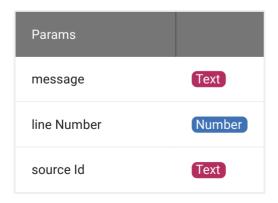| Params	
result	Text

Cookies Removed

This event return true when the cookies have been successfully removed. If the cookies was successfully cleared then the next run returns false as status, if in this time no new cookies was set.
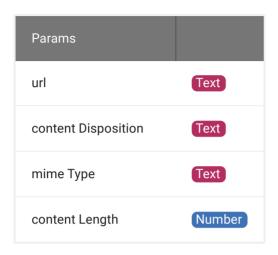
Params	
success	Boolean

On Console Message

Get webpage console output

Params	
message	Text
line Number	Number
source Id	Text

On Download Start

Event for listening download links.

Params	
url	Text
content Disposition	Text
mime Type	Text
content Length	Number

Page Loaded

Triggers when page finished loading

Progress Changed

Event to detect that the loading progress has changed.

Params	
progress	Number

Web View String Change

When the JavaScript calls AppInventor.setWebViewString this event is run.

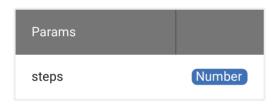| Params	
value	Text

Methods

Can Go Back

Returns: *Boolean*

Returns true if the WebViewer can go back in the history list.

Can Go Back Or Forward

Returns: *Boolean*

Returns true if the WebViewer can go back or forward the number of steps in the history list.

Params	
steps	Number

Can Go Forward

Returns: *Boolean*

Returns true if the WebViewer can go forward in the history list.

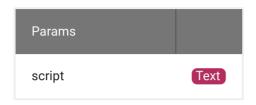## Clear Caches

Clear WebView caches.

Clear Cookies

Start to clear the WebView cookies.

Clear Locations

Clear stored location permissions.

Evaluate JS

Evaluate JS in the context of the current page

Params	
script	Text

Go Back

Go back to the previous page in the history list. Does nothing if there is no previous page.

Go Back Or Forward

Go forward or backward a number of steps away from the current page. Steps is negative if backward and positive if forward.

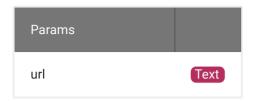| Params	
steps	Number

Go Forward

Go forward to the next page in the history list. Does nothing if there is no next page.

Go Home

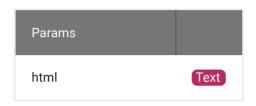Loads the home URL page. This happens automatically when the home URL is changed.

Go To URL

Load the page at the given URL.

Params	
url	Text

Load HTML

Load HTML content using Base64-encoded data URI scheme

Params	
html	Text

Reload

Reloads the current page

Stop Loading

Stops the current load.

Properties

Current Page Title

Text — Read - Blocks

Title of the page currently viewed

Current URL

Text — Read - Blocks

URL of the page currently viewed. This could be different from the Home URL if new pages were visited by following links.

Desktop Mode

Available as Advanced Property

`Boolean` `Default: false` — `Read` `Write` - `Designer` `Blocks`

Get/Set Desktop mode by altering the user agent string.

Enable JavaScript

`Boolean` `Default: True` — `Read` `Write` - `Designer` `Blocks`

Enable/Disable JavaScript. Enabled by default

Follow Links

Available as Advanced Property

`Boolean` `Default: True` — `Read` `Write` - `Designer` `Blocks`

Determines whether to follow links when they are tapped in the WebViewer. If you follow links, you can use GoBack and GoForward to navigate the browser history.
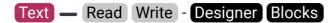
Height

`Number` — `Read` `Write` - `Blocks`

Specifies the component's vertical height, measured in pixels.

Height Percent

`Number` — `Write` - `Blocks`

Specifies the component's vertical height as a percentageof the height of its parent Component.

Home Url

`Text` — `Read` `Write` - `Designer` `Blocks`

URL of the page the WebViewer should initially open to. Setting this will load the page.

Ignore SSL Errors

Available as Advanced Property

`Boolean` `Default: False` — `Read` `Write` - `Designer` `Blocks`

Determine whether or not to ignore SSL errors. Set to true to ignore errors. Use this to accept self signed certificates from websites.

Load Images

Available as Advanced Property

`Boolean` `Default: True` — `Read` - `Designer` `Blocks`

Whether or not to automatically load images

Prompt for Permission

Available as Advanced Property

`Boolean` `Default: True` — `Read` `Write` - `Designer` `Blocks`

If True, then prompt the user of the WebView to give permission to access the geolocation API. If False, then assume permission is granted.

Scrollbar

`Boolean` `Default: True` — `Read` `Write` - `Designer` `Blocks`

Whether to display a scrollbar

Use External Browser

Available as Advanced Property

`Boolean` `Default: False` — `Read` `Write` - `Designer` `Blocks`

Open a link in the webviewer page using the external browser. If true the page will be loaded in the external browser and not in the webviewer itself.

User Agent

Available as Advanced Property

`Text` — `Read` `Write` - `Designer` `Blocks`

Get User Agent

Uses Location

Available as Advanced Property

`Boolean` `Default: False` — `Write` - `Designer`

Whether or not to give the application permission to use the Javascript geolocation API. This property is available only in the designer.

Visible

`Boolean` `Default: True` — `Read` `Write` - `Designer` `Blocks`

Returns true iff the component is visible.

Web View String

`Text` — `Read` `Write` - `Blocks`

Gets the WebView's String, which is viewable through Javascript in the WebView as the window.AppInventor object

Width

Number — Read Write - Blocks

Specifies the component's horizontal width, measured in pixels.

Width Percent

Number — Write - Blocks

Specifies the component's horizontal width as a percentageof the Width of its parent Component.

Zoom Display

Boolean Default: *True* — Read - Designer Blocks

Show or Hide the zoom display.

Zoom Enabled

Boolean Default: *True* — Read - Designer Blocks

Enable or Disable pinch zooming. This effects both pinch zooming and the zoom controls.

Zoom Percent

Number Default: *100* — Read - Designer Blocks

The zoom of the page in percent %

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