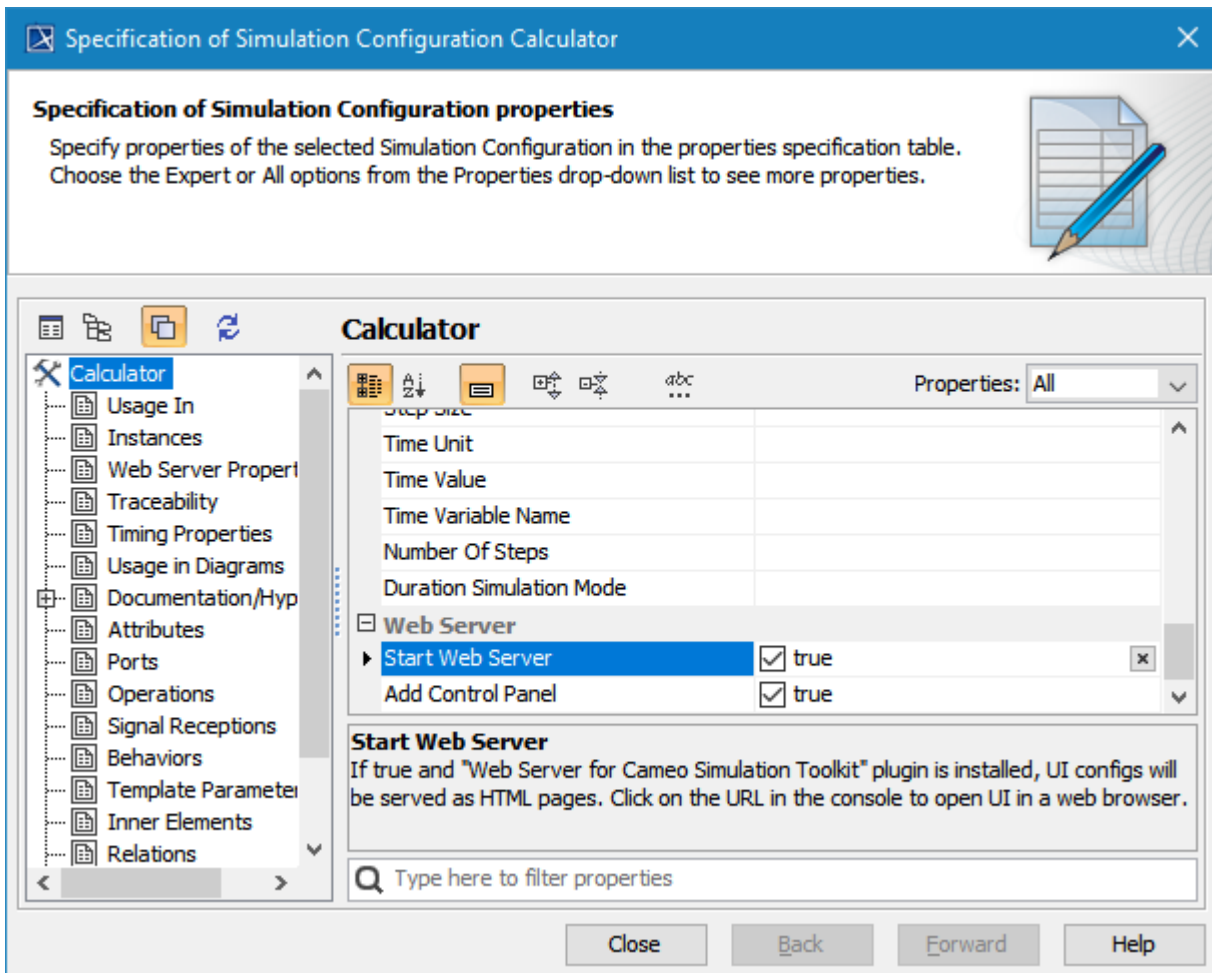


Auto-generating HTML files

On this page

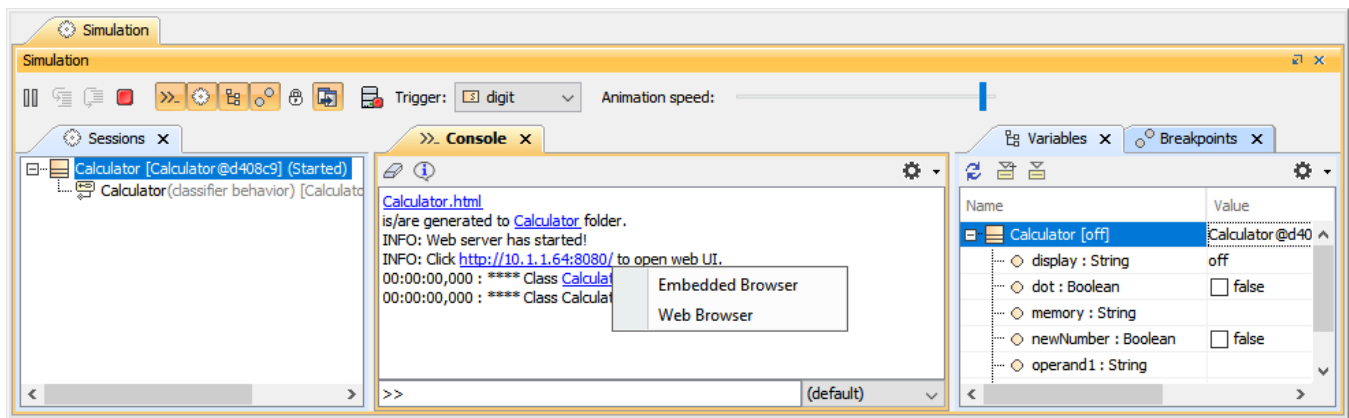
- [Embedded browser](#)
- [Generating HTML files](#)
- [Generating and attaching HTML files to Teamwork Cloud projects](#)

If the **Start Web Server** property of a Simulation Configuration is set to *true*, the Magic Model Analyst will automatically generate HTML files from all used UI Configurations. This feature saves a lot of time because you are not required to manually export them to get those HTML files. You can then use UI Mockups instead of local UI Mockups and control your model simulation on a web browser from any remote device.



The Specification window of a Simulation Configuration with the Start Web Server property set to true to auto-generate HTML files.

When the Simulation Configuration is run, the built-in web server will start, HTML files with a hyperlink to each file in the local project folder will be generated, and a URL with a hyperlink will be shown in the simulation **Console** pane (regardless of the **Options** mode you are using in the **Console** pane).

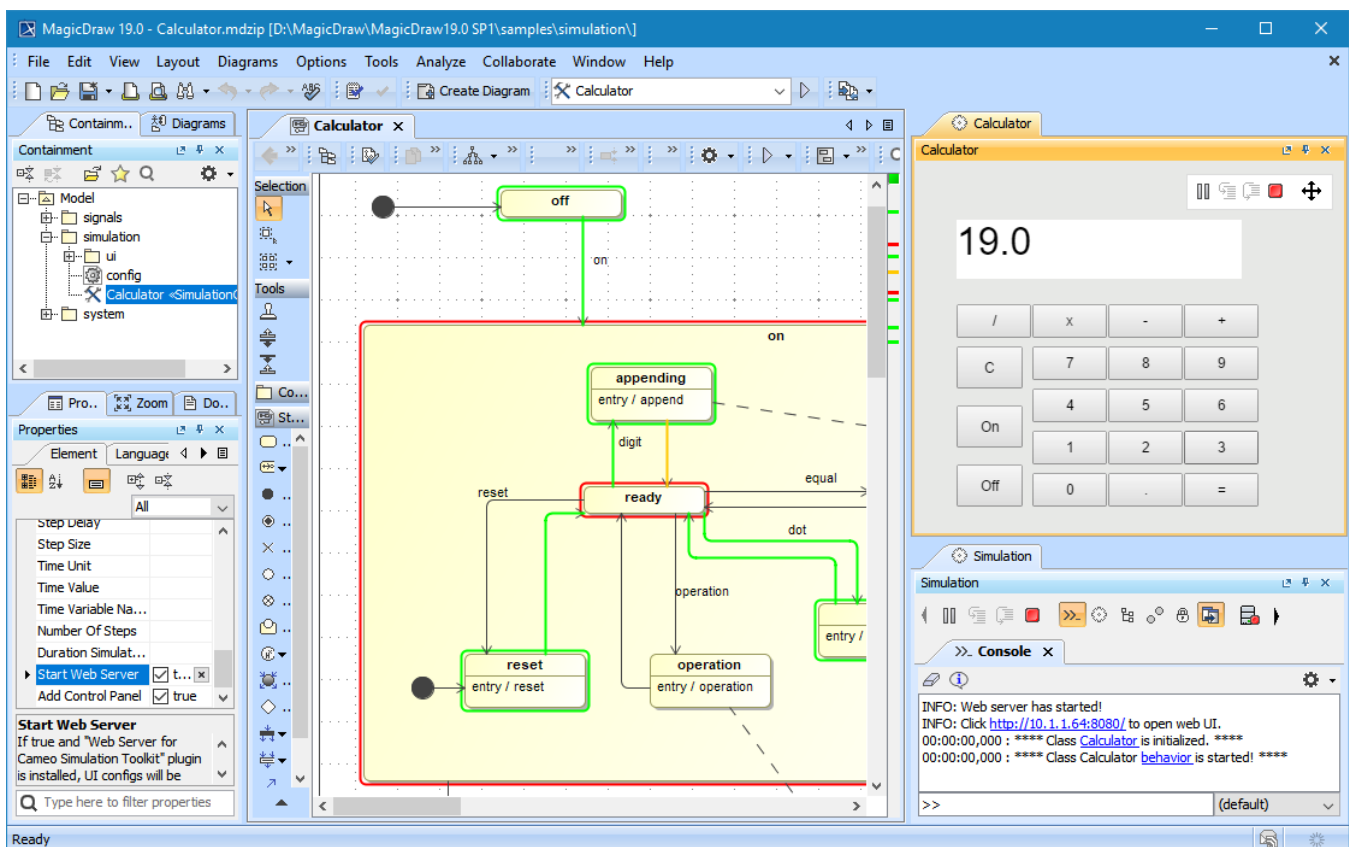


Do one of the following:

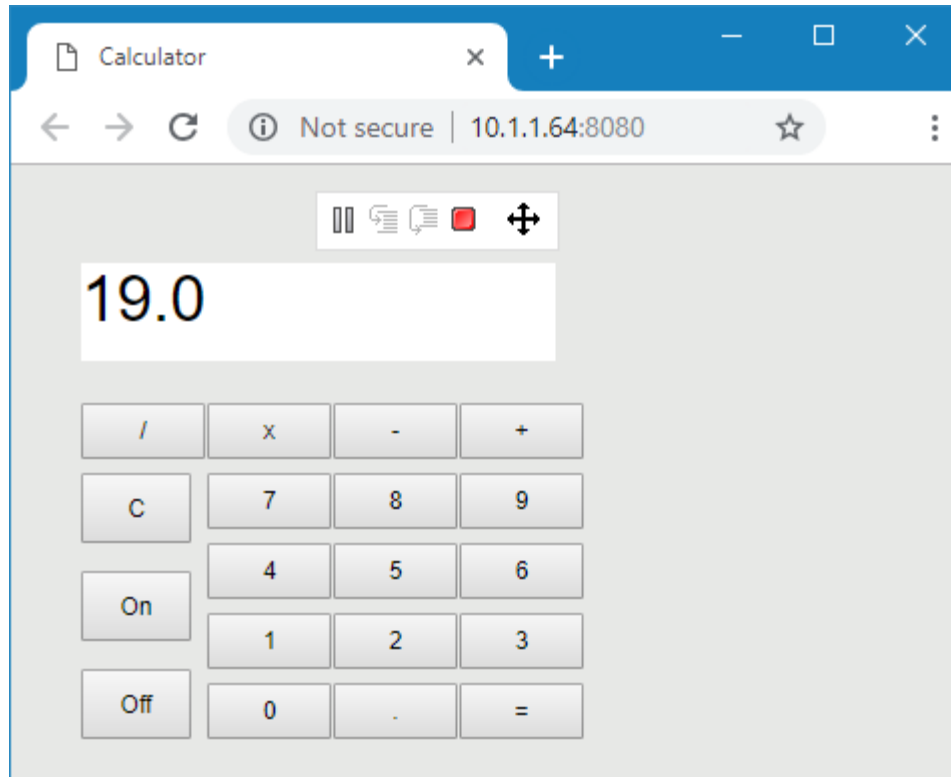
The web server notification, URL to open web UI, and browser types in the simulation Console pane.

Embedded browser

Clicking the URL opens a popup menu containing either an Embedded or Web Browser, where you can view and control the simulation through the Web UI. The Embedded Browser allows you to show any web pages in dockable embedded windows in fixed places. These windows can be moved and docked, and will appear in the modeling tool window. When you open a saved project or re-run the project with the embedded browser option, those windows will automatically be shown in the same locations, States (docked/floating), and sizes. When the simulation is terminated, these windows will be closed automatically. To control the simulation through the web UI, you need to enable the [Add Control Panel](#) option.



Embedded browser UI with Control Panel in modeling tool.



Web browser UI with Control Panel on Google Chrome.

To run a model simulation on the Web Server

1. Double-click the Simulation Configuration to open its Specification window.
2. Set the **Start Web Server** property to true.
3. Click the URL in the **Console** pane to open a web-browser as the UI.

Important

- To prevent overwriting, HTML files will not be regenerated if they have been generated before.
- The HTML files will be generated after you customize the files (e.g., add a logo or change the text color or size), using the same filename.

Generating HTML files

You can delete or rename the existing HTML files if you need them to be regenerated.

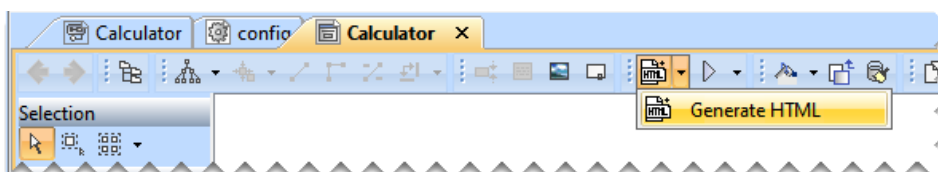
Depending on the circumstances, you may want to periodically generate HTML objects for the customization of the web UI. Moreover, the model can be used to generate HTML files through either the UI diagram or HTML supported controls using the **Generate HTML** command. However, if the files already exist, a warning message box will open to prevent you from accidentally overwriting them. All generated HTML files will be written and stored in the project's working directory.

- If you input an illegal data type through the Web UI (embedded/web browser), a warning dialog will appear to warn you about the data type error (number/boolean). For example, you may see the following: *Illegal value, 'abc' is not a number.*

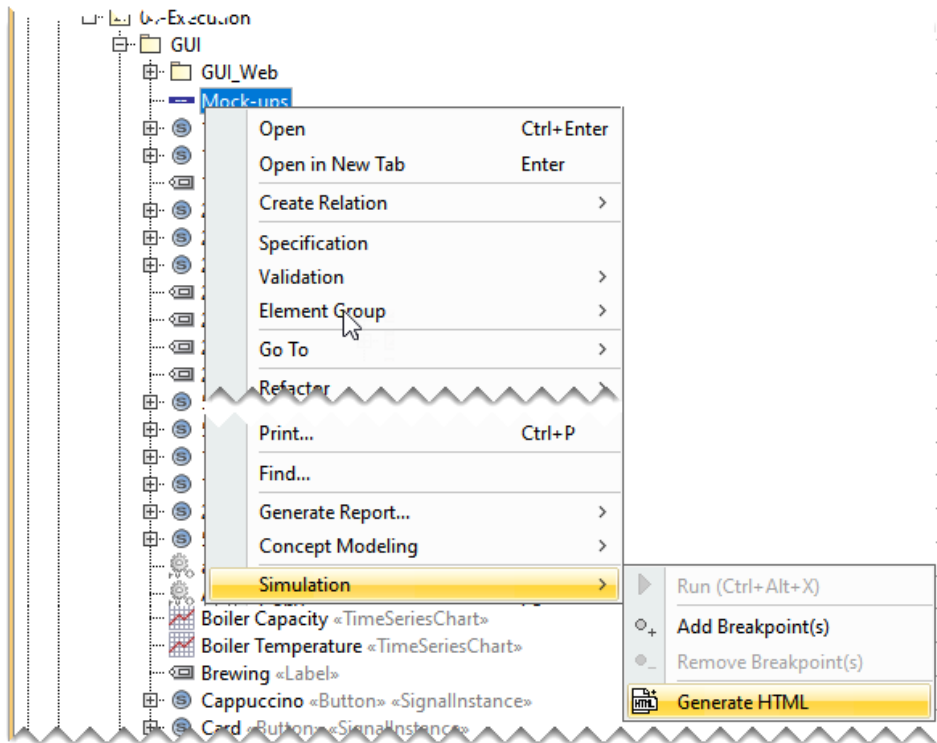
To generate HTML

1. Do one of the following:
 - In the User Interface Modeling Diagram toolbar, click **Generate HTML**.

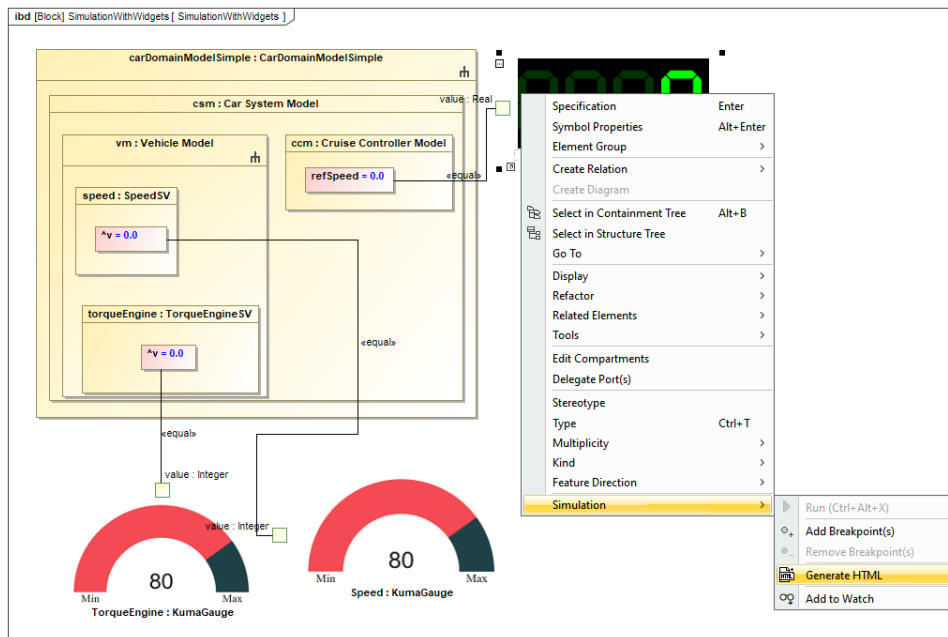
HTML files are generated for all the UI elements shown in the diagram.



- In the Containment tree, right-click the User Interface Modeling diagram or UI element and select **Simulation>Generate HTML**.



- In the Internal Block Definition Diagram, right-click the Widget property and select **Simulation > Generate HTML**.



2. If you get a warning that the file already exists, click **Yes**, to replace the existing file, or click **No** to cancel the command. After completing the steps above, you should get a notification that the files were generated successfully.



Tip

Anyone with access to the network the web server is on will be able to access the web link via a web browser.

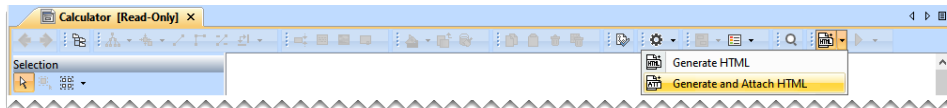
Generating and attaching HTML files to Teamwork Cloud projects

You can easily generate and attach HTML files through the UI Modeling diagram (for only the [server-side simulation](#)) when the project is hosted on [Teamwork Cloud](#).

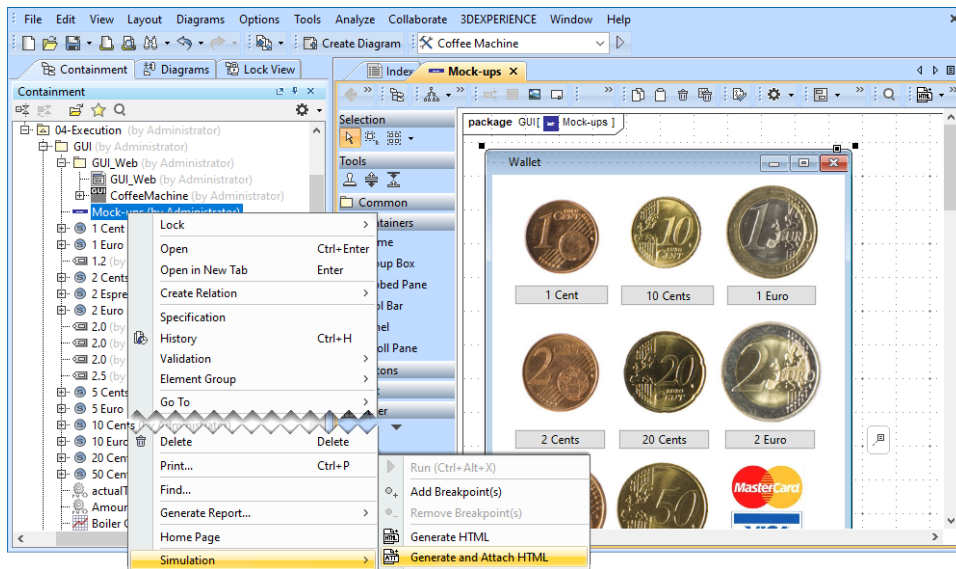
To generate and attach HTML

1. Do one of the following:

- In the User Interface Modeling Diagram toolbar, click **Generate and Attach HTML**.



- In the Containment tree, right-click the User Interface Modeling diagram or UI element and select **Simulation>Generate HTML**.



2. If you get a warning that the file already exists, click **Yes** to replace the existing file, or click **No** to cancel the command. After completing the steps above, you should get a notification that the files were generated successfully.



Related page

- [Simulation console](#)