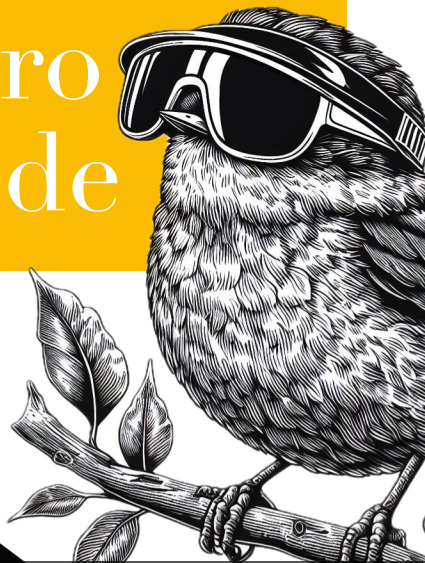


Tram-Lite Micro Guide



Version 4.x

Building a Web-App

If you want to include the Tram-Lite HTML API available on your page, include the following script tag:

```
<script src="https://unpkg.com/tram-lite@4"></script>
```

Building a Library

If you are building a library with Tram-Lite, you can make component definitions in HTML files, and have users import them using `import-components.js`

```
<script src="../../tram-lite@4/output/import-components.js"
  tl-components="/your-component.html ...">
```

If you are building a library, and would like to serve component definitions as a single JS bundle, you can use the `export-components` CLI command to make a JS file.

```
$ npx tram-lite@4 export-components x-title.html ...
```

Both `import-components.js` and assets built with `export-components` do not depend on Tram-Lite being on the page, and can even work when other versions of Tram-Lite are on the page.

Anatomy of a Component Definition

Tag Name Default Attributes

```
<x-title page="Home">
  <h1>${'page'}</h1>
</x-title>
```

Templated Attributes

Tag Name — name of the new tag, needs to be hyphenated.

Default Attributes — optional, attributes that can be used in the template.

Templated Attributes — optional, attributes to include in your HTML or CSS (in style tags).

If you included the Tram-Lite API on your page, you can build component definitions inline using the `tl-definition` attribute on template tags.

```
<template tl-definition>
  <x-title> ... </x-title>
</template>
```

Controlled Inputs using `tl-controlled`

```
<x-title page="Home">
  <input tl-controlled
    tl-hostattr="page"
    tl-trigger="input"
    tl-targetattr="value" />
</x-title>
```

tl-hostattr — optional, attribute to set on the host component, by default "value"

tl-trigger — optional, attribute list of events that should trigger updates to the host component

tl-targetattr — optional, attribute to read off the input element.

`tl-controlled` can be used added to any element in the shadow DOM. It specifically works well with input and select elements.

Side-Effects using `tl-effect`

```
<x-title page="Home">
  <script tl-effect
    tl-dependencies="page"
    tl-hold>
    this.getAttribute('page')
  </script>
</x-title>
```

tl-dependencies — optional, attribute list that when updated will cause the script to re-trigger.

tl-hold — optional, when present will prevent script from triggering

this — reference to the host component in the light DOM.

`tl-effect` works with script tags, and is required for script tags to work on-mount for Tram-Lite components.

What is Tram-Lite?

Tram-Lite is a declarative HTML-first library for building native web-components. Tram-Lite provides an elegant and easy way to build modern components, that work in any framework, and on any modern platform.

What is this guide?

This micro-guide is a simplified reference for the HTML APIs in the Tram-Lite library. It provides a pocket-able reference that anyone can print and use.

Full Documentation And More

Go to the website tram-one.io/tram-lite