

# json-tree-comp

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**json-tree-comp** is a Vue.js (>= 2.5) web component that displays a JSON formatted object as a hierarchical tree.

**json-tree-comp** can be installed via with the included `package.json` file for a local installation via the [npm install](#) command. **json-tree-comp** depends on the [vue.js](#) framework. A demo folder is provided that used [Parcel](#) together with its associated `package.json` file to bundle together **json-tree-comp** along with its [vue.js](#) dependency for a simple application. Further details are provided below for running the demo.

## Props

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A prop in Vue.js is a custom attribute for passing information from a parent component hosting **json-tree-comp** instance(s) to a **json-tree-comp** as a child component.

**json-tree-comp** has the following props for a parent to bind to child:

`json_obj` -- an object or array of objects to be displayed

`title` -- a title to be placed above the tree (string, default: null)

`indent` -- the number of spaces to indent sub nodes

`css_variables` -- defines the css variables for **json-tree-comp** (object, default: null)

## Styling

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The `css_variables` prop is a javascript object that contains any combination of css variable names as keys and associated values. The following list are the css variable names along with their default values for a quick styling of **json-tree-comp**:

```
{
  jsontree_comp_height: 600px,
  jsontree_comp_width: 400px,
  jsontree_comp_font_family: 'Verdana, serif',
  jsontree_comp_font_size: '1rem',
  jsontree_comp_color: 'black',
  jsontree_comp_background: 'transparent',

  jsontree_comp_down_icon: '\21D3',
  jsontree_comp_title_color: 'black'
}
```

## Events

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There are no events.

## Demonstration

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Two demonstrations of **json-tree-comp** are provided in the folders named `demo_1` and `demo_2` and can be viewed by hosting the `index.html` files in the `dist` folders. The demo's views were templated in the `App.vue` files.

As a suggestion, install [http-server](#) locally/globally via [npm](#) then enter the command `http-server` in the **json-tree-comp** `dist` directory. From a browser enter the url: `localhost:8080/` to view the demo.

Here is some example code for using **json-tree-comp** taken from its `App.vue` file:

```
<json-tree-comp
  title="Employee Family Information"
  :json_obj="json_obj"
  :css_variables="css_variables">
  <div></div>
</json-tree-comp>
```

And here are the data references:

```
data() {
  return {
    json_obj: null,
    css_variables: {
      jsontree_comp_color: 'white',
      jsontree_comp_title_color: 'white'
    }
  }
}
mounted: function(){
  this.json_obj = {
    'name': 'Billy Bob',
    'favorite number': 3,
    'veteran': true,
    'address info': {
      'street': '123 Edward Ave',
      'city': 'Richmond',
      'state': 'Virginia',
      'coordinates': [{ 'latitude': 32.4567 }, { 'longitude': 67.8965 } ],
      'neighbors': { 'right': 'Roger', 'left': 'Jane', 'across': 'Sydney' },
    },
    'children': [ { 'name': 'Bob', 'age': 10 }, { 'name': 'Tommy', 'age': 13 },
    { 'name': 'Nancy', 'age': 15 } ]
  }
}
```