

MAKE IT ONCE, DEPLOY IT  
EVERYWHERE



# Luxury ~~Beach~~ Dev Holidays

*Tips and tricks to be aware of when  
deploying your own Svelte Widget/Library*

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System | CRM, CMS, SSG and more



Code to go.  
Flexible,  
multipurpose,  
feature rich.

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# BUT WHY?

## Digitalmeasures Migrate

[View](#) [Version control](#) [View history](#) [Automated testing](#)

This project is not covered by Drupal's [security advisory policy](#).

This module provides a source plugin to query the Digital Measures API, so that objects within your schema can be stored as Drupal entities.

See the [README](#) for more details.

### Requirements

- Drupal 8
- Migrate Plus

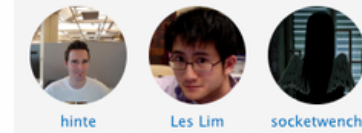
### This Module is Part of a Migration Framework

This module is part of a migration framework created for a client project in which we migrated information from Digital Measures to a Drupal site. However, the specific problems each module solves are common to migration processes in general. With the exception of [Digitalmeasures Migrate](#), these modules are fairly generic and can be used for a variety of other migrations.

For more information on how this framework was used for a Digital Measure Migration, read:

★ Star 1 [No mail](#)

### Maintainers



### Issues for Digitalmeasures Migrate

To avoid duplicates, please search before submitting a new issue.

[Advanced search](#)  
All issues

## Digital Measures API

This is a Drupal module will act as an API to request data from the Digital Measures platform.

### Instructions

Install the digitalmeasures module on your Drupal site. It is recommended that you also install drupal\_debug\_log for development purposes. Visit the modules configuration page, `admin/config/services/digitalmeasures`. Enter your Digital Measures account username, password, and base url (defaults to <https://beta.digitalmeasures.com>). It is recommended to use the beta url for development). Run 'drush cc drush' to let drush have access to the new drush commands defined by this module. Run 'drush dmindexes' to retrieve a list of active searchable indexes in Digital Measures. Run 'drush dmdata --help' to see an example of how to search on those indexes. Drupal Debug Log

For development purposes, it is recommended you install drupal\_debug\_log to log all API results.

You can view the results on the devel debug log page: `admin/reports/debug`

### Development

Development is currently handled on github: <https://github.com/heyMP/digitalmeasures>

### Supporting organizations:

[Pennsylvania State University](#)

### Project information

Module categories: [Education](#)

Created by [heyMP](#) on 15 January 2015, updated 1 February 2017

This project is not covered by the [security advisory policy](#). Use at your own risk! It may have publicly disclosed vulnerabilities.

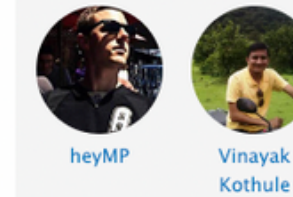
### Releases

**7.x-1.1** released 5 July 2017  
Works with Drupal: 7.x  
✓ Recommended by the project's maintainer.

Development version: **7.x-1.x-dev** updated 5 Jul 2017 at 12:49 UTC

[Using Composer to manage Drupal site dependencies](#)  
[View all releases](#)

### Maintainers



### Issues for Digital Measures

To avoid duplicates, please search before submitting a new issue.

### Advanced search

All issues

[1 open, 3 total](#)

Bug report

[0 open, 1 total](#)

Statistics

New issues 0

Open bugs 0

Participants 0

2 year graph, updates weekly

### Resources

[Read license](#)

[View project translations](#)

### Development

[Source code](#)

[Commit log](#)

[GitLab activity](#)

[Report a security vulnerability](#)

[View change records](#)



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[BIOGRAPHY](#) [INSTRUCTION](#) [CREDENTIALS](#) [SCHOLARSHIP](#) [SERVICE](#)

## Biography

For more than 20 years, Keenan Dungey has been a chemical educator and research scientist. He has taught 17 different courses, ranging from Introduction to Nanotechnology to senior Inorganic Chemistry, including Science Writing and Science & Religion courses. His scholarship is in the area of materials science, and his projects have included the synthesis of iron nanoparticles for environmental remediation and the preparation of intercalated vanadates for improved lithium ion batteries. Dungey was the research chemist at Emiquon, one of the largest freshwater restoration sites in the U.S., and has conducted water quality studies at urban and rural sites in the developing world. He has received numerous external grants to support his research, including funds from the Research Corporation for Science Advancement, the Merck Foundation, the Dreyfus Foundation, and the National Science Foundation. His research has been recognized by the University of Illinois University Scholar award.

Dungey's current position is professor of chemistry and the Head of the Department of Chemistry & Physics at the University of Tennessee at Chattanooga. Prior to July 2020, he was the Associate Vice Chancellor for Research and Institutional Effectiveness at the University of Illinois Springfield.

Dr. Dungey received his B.S. in Chemistry at Wheaton College (IL), Ph.D. in Inorganic Chemistry at the University of Michigan, and did post-doctoral work in nanotechnology at Furman University. When he's not assisting faculty and students with advancing the frontiers of chemistry, he's playing the trombone or volunteering with the World Solar Challenge.

[tinyurl.com/keenan-dungey](http://tinyurl.com/keenan-dungey)



# HOW?

```
← → ↻ cfdn.digitalmeasures.com/dm-web-profiles/v1/js/main.js  
2600: The Hacker... How To Play The... Ennio Morricone -... Learn Linux, 101:... Home Linux Foundation... Developer / Softw...  
!function(e){function t(r){if(n[r])return n[r].exports;var i=n[r]={i:r,l:!1,exports:{}};return e[r].call(i.exports,i,i.export  
{configurable:!1,enumerable:!0,get:r}),t.n=function(e){var n=e&&e.__esModule?function(){return e.default}:function(){return  
([function(e,t,n){"use strict";function r(){return parseFloat(1.5.toString()).toLocaleString().substring(1,2)}function i(e){v  
strict";function r(e,t,n){var r=document.createElement(e),i=t||{};return Object.keys(i).forEach(function(e){r.setAttribute(e,  
e=this.message;return this.errors&&this.errors.length&&(e+="  
<br/>" + this.errors.join("<br/>")),a(e)}function a(e){return r("di  
e=this.profile.render():this.error&&(e=this.error.render()),e}function u(){return r("style",{type:"text/css"},this.cssString)  
{class:this.className},this.value)}function l(){var e;if(this.includeStyles){var t=r("ol",{class:this.className});this.values  
{class:this.className});this.values.forEach(function(e){n.appendChild(r("p",{e.value})),e=n}return e}function d(){var e,t=  
{class:this.containerClass}),this.values.forEach(function(n){var i=t.includeStyles?r("li",{class:t.itemClass}):r("div",  
{class:t.itemClass});n.heading&&i.appendChild(n.heading.render()),n.records&&i.appendChild(n.records.render()),e.appendChild(  
{class:this.className});this.style&&e.appendChild(this.style.render()),this.heading&&e.appendChild(this.heading.render());var  
this.contents&&this.contents.length&&this.contents.forEach(function(e){n=r("div",  
{class:e.className}),e.style&&n.appendChild(e.style.render()),e.text&&n.appendChild(e.text.render()),e.records&&n.appendChild  
{class:w.a.Preamble.Base});return this.preambleSections.forEach(function(t){e.appendChild(t.render())},e}function v(e){var t  
{t.appendChild(e.render())},t}function y(){var e=r("div",{class:w.a.Sections.Container});return this.contentSections&&this.c  
{class:w.a.Profile.Base});return this.preambleSections&&e.appendChild(this.renderPreamble()),this.contentSections&&e.appendCh  
t&&t.length&&t.forEach(function(t){e.appendChild(t.render())},e}function b(){return this.contentSections?
```

mdn web docs | References | Guides | Plus | Blog | Play | AI Help

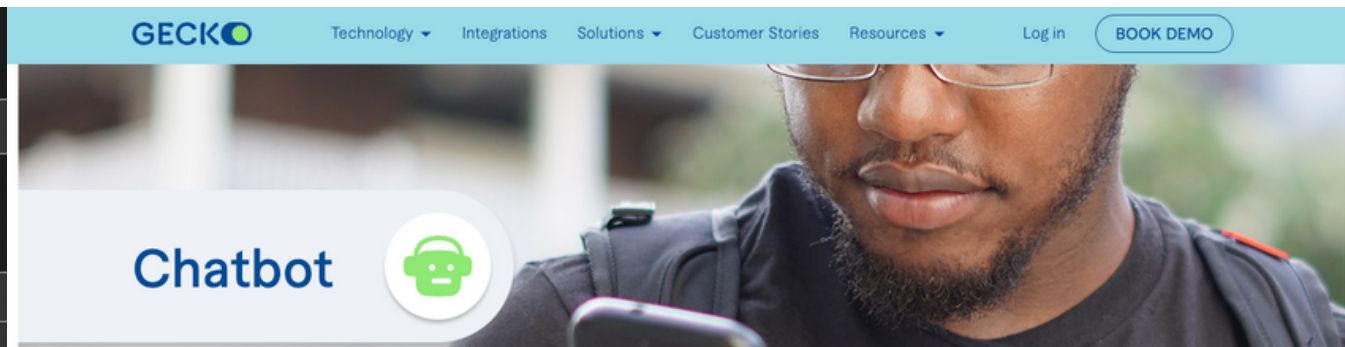
References > Web APIs > Document > createElement()

Filter

- createAttribute()
- createAttributeNS()
- createCDATASection()
- createComment()
- createDocumentFragment()
- createElement()**
- createElementNS()
- createEvent()
- createExpression()
- createNodeIterator()
- createNSResolver()
- createProcessingInstruction()

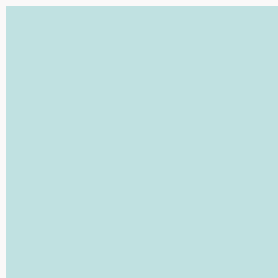
### JavaScript

```
JS  
document.body.onload = addElement;  
  
function addElement() {  
  // create a new div element  
  const newDiv = document.createElement("div");  
  
  // and give it some content  
  const newContent = document.createTextNode("Hi there and greetings!");  
  
  // add the text node to the newly created div  
  newDiv.appendChild(newContent);  
  
  // add the newly created element and its content into the DOM  
  const currentDiv = document.getElementById("div1");  
  document.body.insertBefore(newDiv, currentDiv);  
}
```

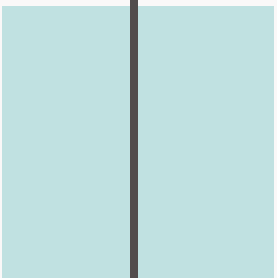


3. Review: This final section will allow you to review any mistakes before generating your embed code. Here's an example code:

```
<script>  
  window.GeckoEngagementWidget = {  
    widgetId: "59374883-bd08-4ab2-8cca-661eeb4608ec",  
  };  
</script>  
<script src="https://widget.geckoengage.com/embed"></script>
```



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**BUT FIRST, LET'S SEE IT IN ACTION ...**

# **Widget Demo**

[GitHub Gist](#)

[GitHub Repo](#)

# Alternatives

## *Drupal Custom Module*

Importing data or displaying the info with guzzle

## *WordPress Plugin*

Using their APIs to get the data

## *11ty, Salesforce, Mautic, Storyblok*

A combo of js, PHP, and other languages.

# Tradeoffs

## *It might need a spinner*

Due to it being client-side all that info has to be sent over.

## *If multiple instances per page are needed*

Because the widgets looks for an ID or class it can be tricky to get multiple in one page.

## *It might not be editorial friendly*

Ambitious site builders might not have any issues using but regular editors might struggle with it.





# What are the benefits of Svelte and Vite?

# If you enjoyed JQuery's ease of use.

*Svelte is compact*

Provides a lot of the javascript functions like jquery

*Svelte is compiled. No library needed to run it*

Make it easier to maintain as you can keep it around longer.

*Svelte does not use the virtual dom*

Allowing your code to run closer to native javascript

# General Examples



Google Maps Platform

Overview

Products

Pricing

Documentation

Blog

Community

Search

Filter

Maps JavaScript API

Overview

Set up your Google Cloud project

Use API Keys

Load the Maps JavaScript API

Tutorials

All tutorials

Add a Google Map with a marker to your website

Cluster markers

Real-time collaborative mapping

Show current location

Use data with your map

Concepts

TypeScript

JavaScript

CSS

HTML

```
<html>
  <head>
    <title>Simple Map</title>
    <script src="https://polyfill.io/v3/polyfill.min.js?features=default"></script>

    <link rel="stylesheet" type="text/css" href="./style.css" />
    <script type="module" src="./index.js"></script>
  </head>
  <body>
    <div id="map"></div>

    <!-- prettier-ignore -->
    <script>(g=>{var h,a,k,p="The Google Maps JavaScript API",c="google",l="importLibrary",q="__ib_
      ({key: "AIzaSyB41DRUbKWJHPxaFjMAwdrzWzbVVKartNGg", v: "weekly"});</script>
  </body>
</html>
```

index.html

# Svelte Example

*Key for any library or widget*

```
1 <p>// The client defines the div id and adds the paremeters for any given request.</p>
2 <script type="module" src="https://cdn.jsdelivr.net/gh/UTCWeb/SvelteWordpressNews@v1.0.0-beta/dist/utcitwpfetcher.js"></script>
3
4 <div id="utcitsveltewordpressnewsapp">&nbsp;</div>
5 <script>
6     window.utcitsveltewordpress = {
7         url: 'https://web.api.endpoints.utc.edu/api/wpcache/news?per_page=12&categories=751,7712',
8         image: true
9     };
10 </script>
```

*This is how the svelte app reads elements  
from the Dom*

# Tip's Summary

## *Beware of nested caching levels*

The browser cache is different for app and widgets

## *Use library mode*

Built tools have their own unique perks

## *Images are heavy*

Use a spinner or loading box to avoid content from jumping around.

## *Cache your API content*

If your content source is not cached by a CDN, be careful.

## *Write wrappers*

Split your code into components for future flexibility.

## *Be careful with WSOD (White screen of death)*

If assets are too heavy or take a long time to load you may have to take advantage of lazy loading, a web worker or other techniques.

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# Bernardo Martinez

Front-End Developer

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D.o: *bernardm28*

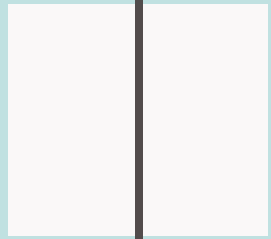
twitter: *bmartinez28*

Linkedin: *bernardm28*



**Questions?**





Thank you!

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