esri

Tips and Tricks for Developing and Debugging Apps

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Presentation accessible via GitHub

👉 Slides & demos: `https://bit.ly/3absN00` 👈

Getting Started

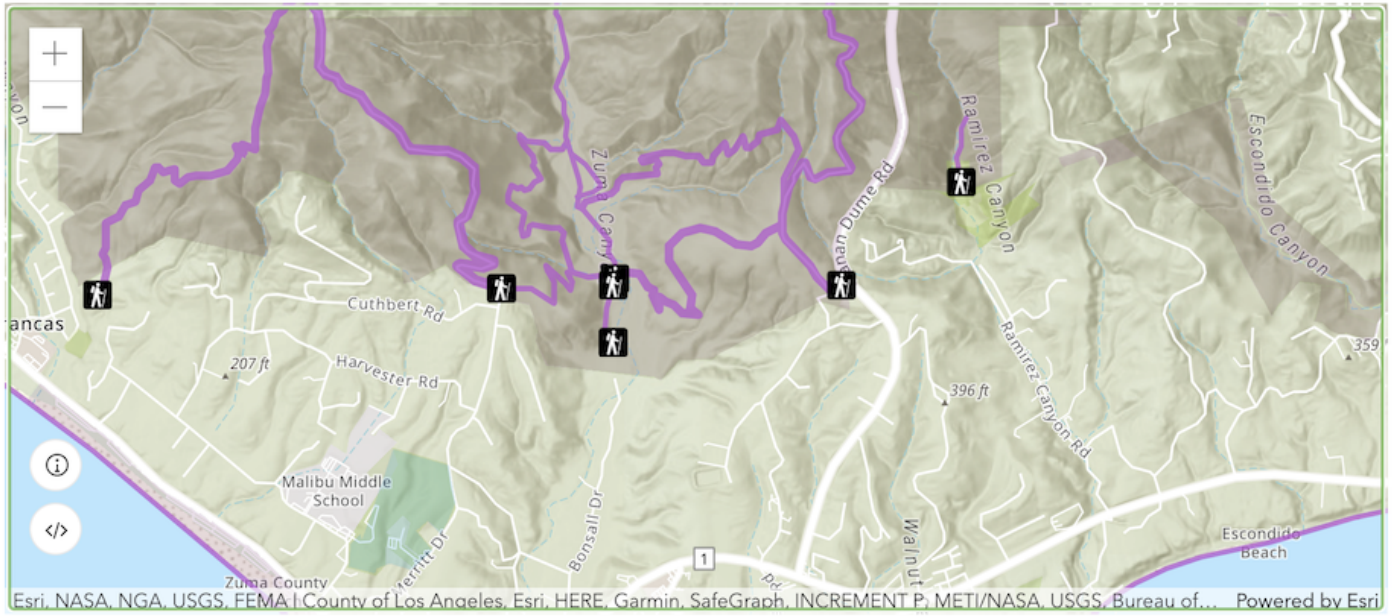
- Getting started tutorial
- AMD vs ES Modules

	CDN (AMD)	ESM local build	AMD local build
No installation, configuration or local build required	X		
Fast download performance via CDN cache	X		
Easy installation via npm		X	
Seamless integration with most modern frameworks and build tools		X	
Using API version 4.17 or earlier with a framework or build tools			X
Using Dojo 1 or RequireJS			X

Detailed Tutorials

Add a feature layer

Learn how to access and display point, line, and polygon features in feature layers.



A feature layer is a dataset in a hosted feature service. Each feature layer contains features with a single geometry type (point, line, or polygon), and a set of attributes. You can use feature layers to store, access, and manage large amounts of geographic data for your applications. You get features from a feature layer by accessing its URL.

In this tutorial, you use URLs to access and display three different hosted feature layers:

Add a feature layer

- Prerequisites
- Steps
  - Create a new pen
  - Set the API key
  - Add modules
  - Add a point feature layer
  - Add a line feature layer
  - Add a polygon feature layer
  - Run the app
- What's next?

Solution

View in CodePen

Estimated time

10 minutes

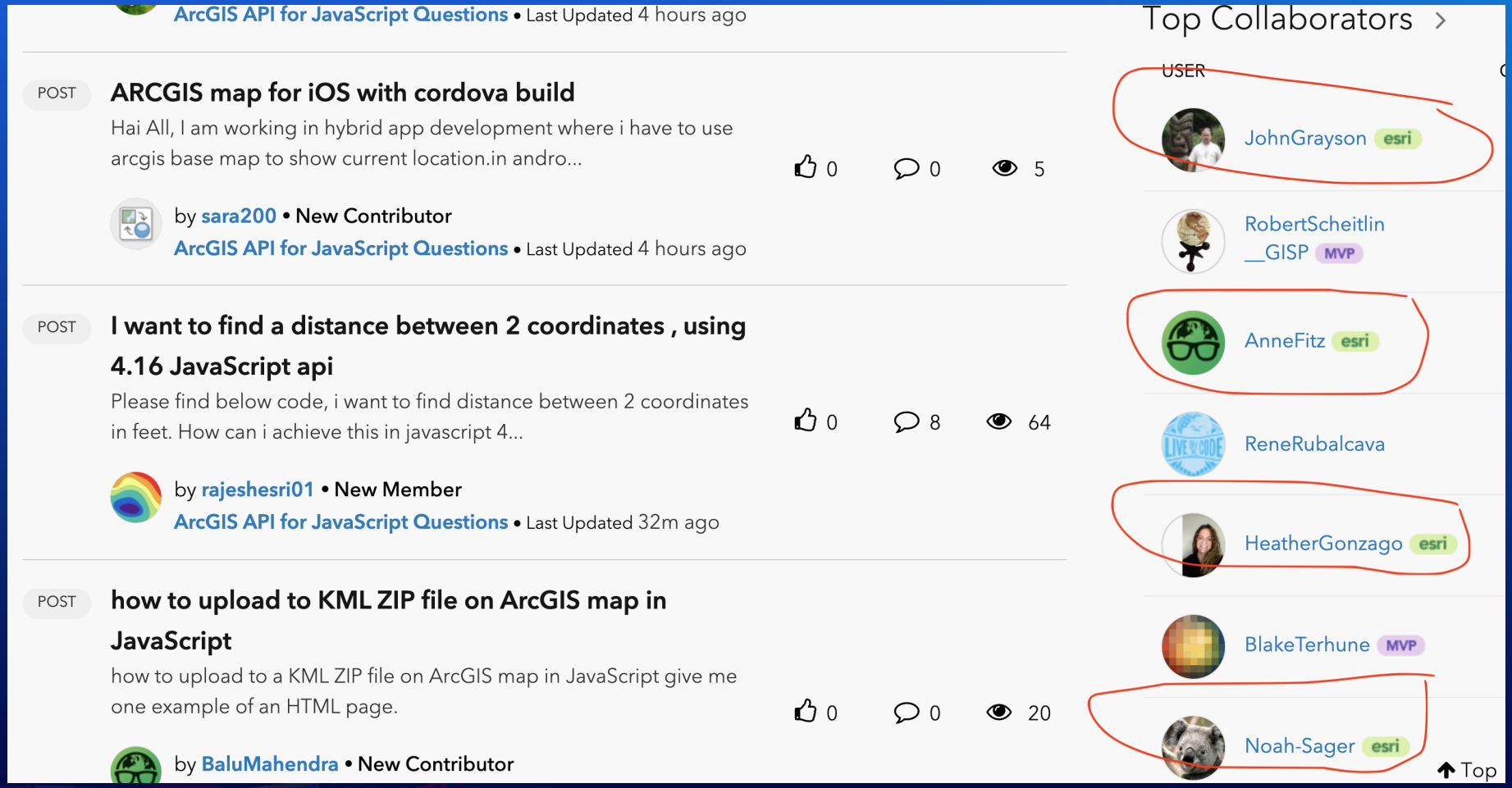
Was this page helpful?

Yes No

Additional Info

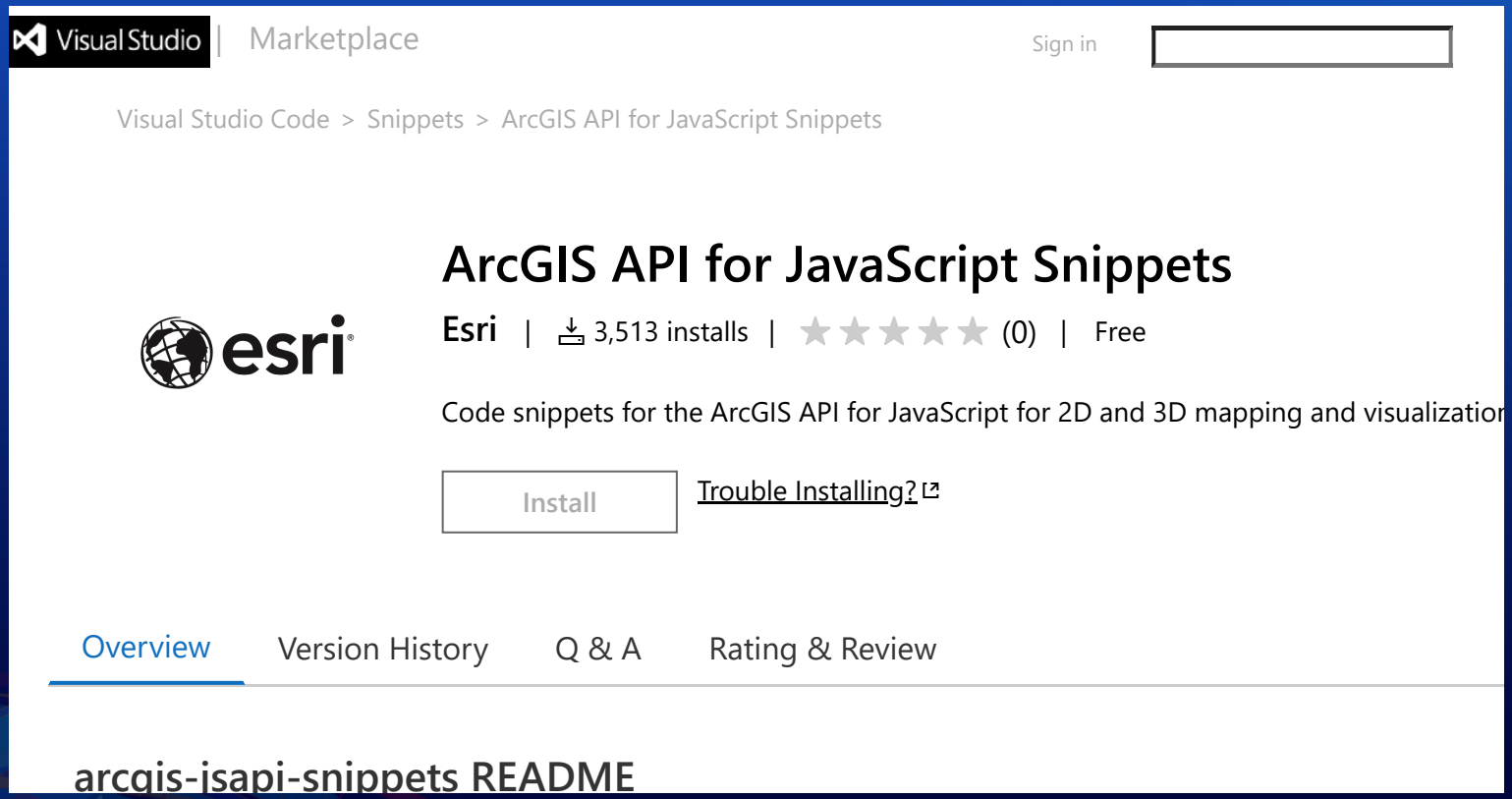
- odoenet (Rene's blog)
- GeoDev Webinar (older version of this session)

esri community



ArcGIS API for JavaScript snippets

- Available on Visual Studio Marketplace
- Contribute snippets to the GitHub repo

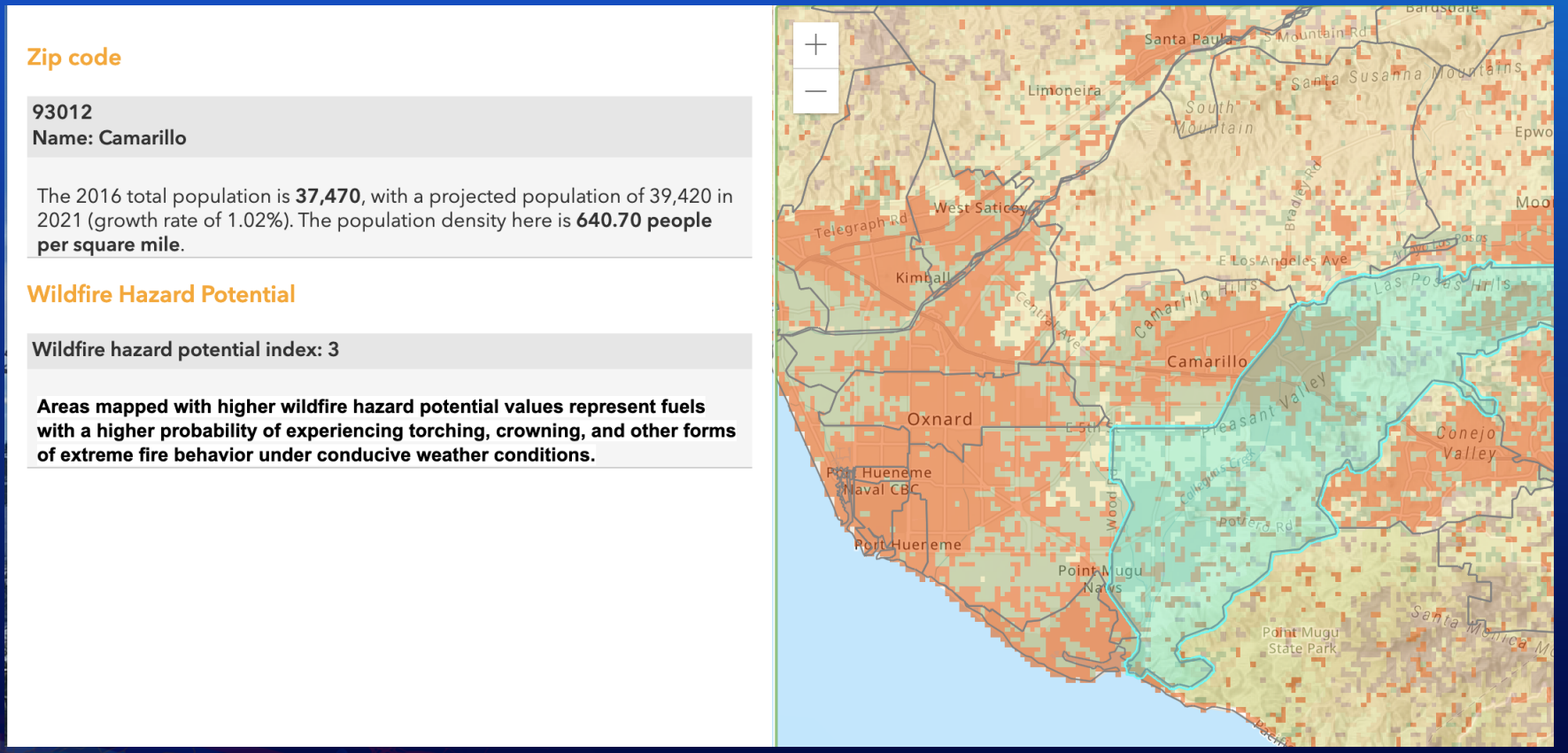


API Tips

Tips on common questions people ask

Custom Popup

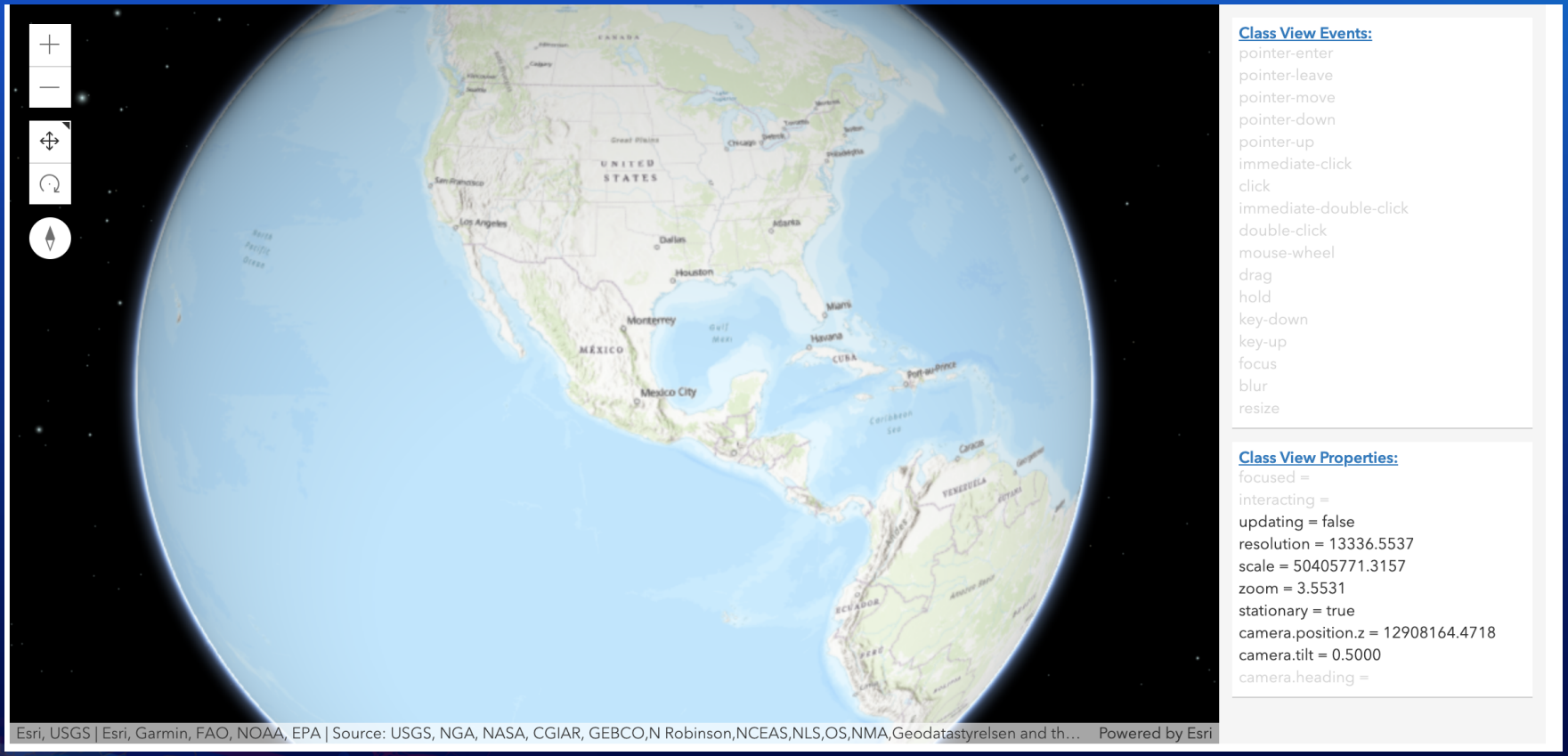
- FetchFeatures



Kelly Hutchins

View events

- Handling Events



Constrain visible extent

- Use constraint geometry to
- Restrict map area
- Limit search results

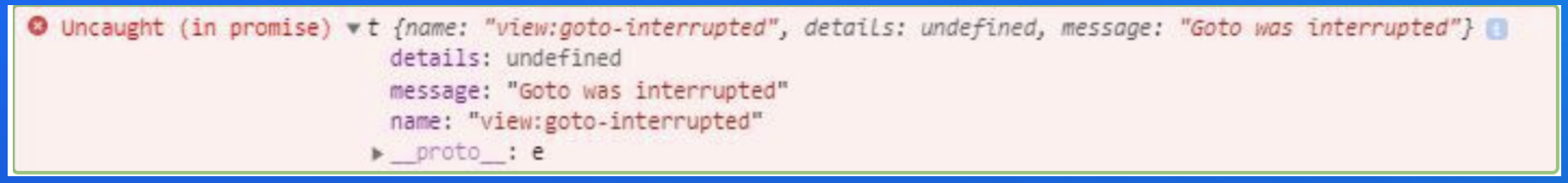
Demo

Request interceptor

- RequestInterceptor
  - Add headers
  - Changes before request is sent
  - Changes after request is sent but before returned to caller
  - Log error info for specfic layer errors

Real World Example

GoTo Errors




```
view.goTo({
center: [-126, 49]
})
.catch(function(error) {
if (error.name != "AbortError") {
console.error(error);
```

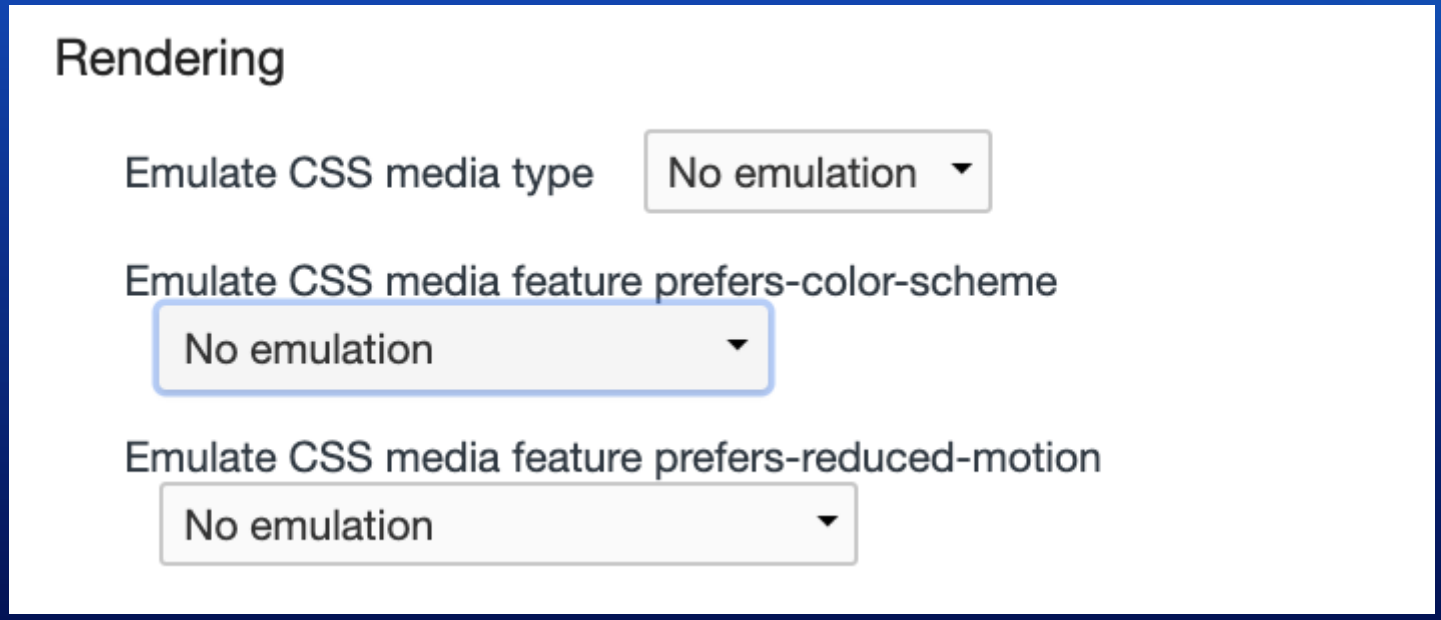
```
    }
});
```

Developer Tools

Demo cool features available in developer tools

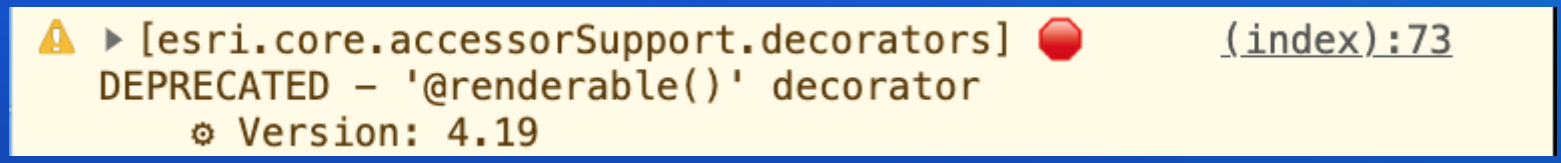
Light and dark theme

- Detect user preferences using `prefers-color-scheme`



Demo

Console: Warnings



renderable(propertyName?) {Function}

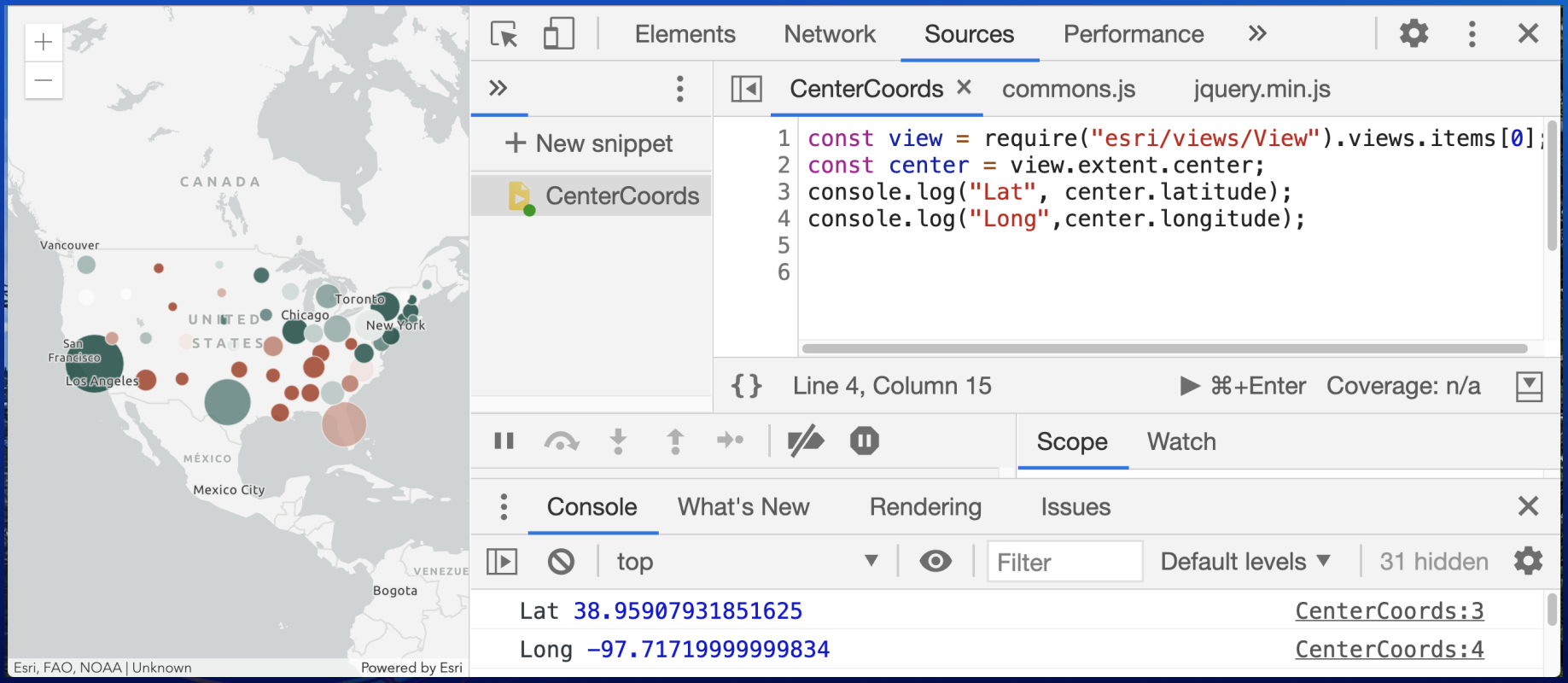
Deprecated since version 4.19. All properties are automatically tracked now and don't need to be decorated with this decorator.

This convenience decorator marks a property for automatic rendering. It is useful when you want rendering to be scheduled whenever the decorated property changes. Many times this decorator is used in conjunction with the @property decorator. Rendering on deep properties is also supported by providing a path to a property deeper in the instance.

Parameter:

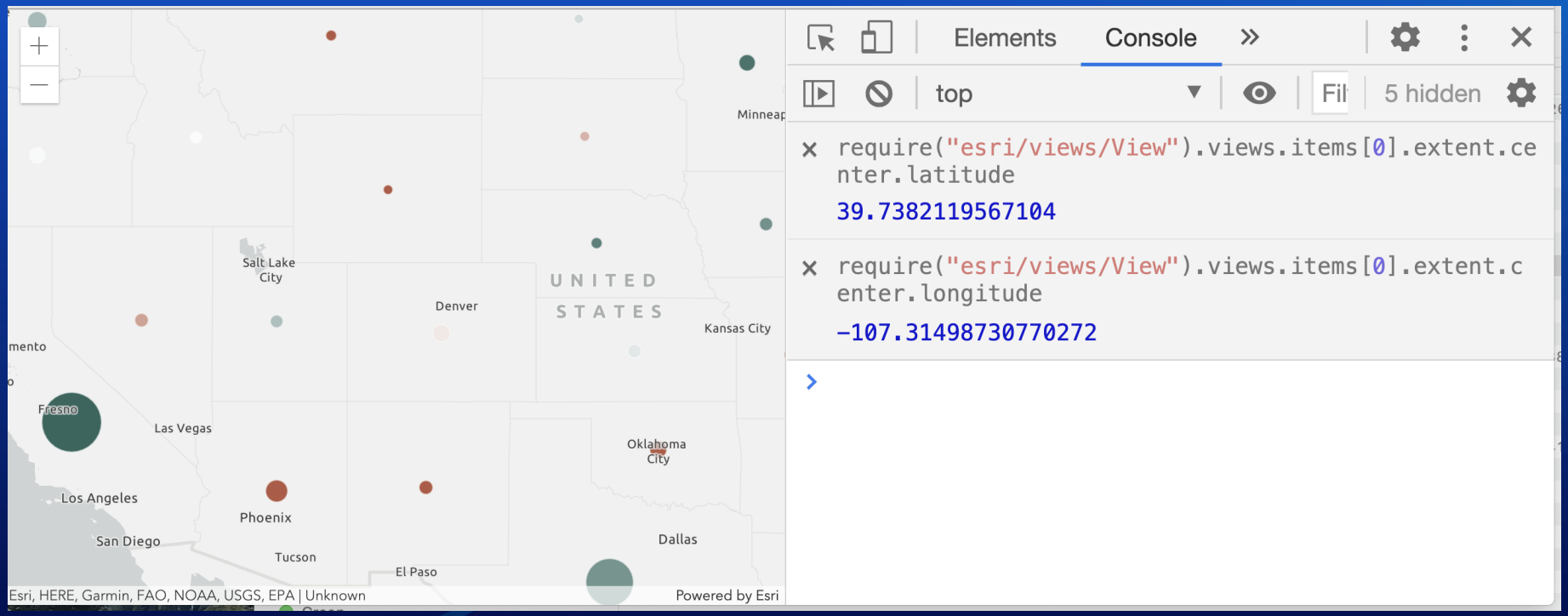
Snippet

- Create code snippets to run in browser dev tools



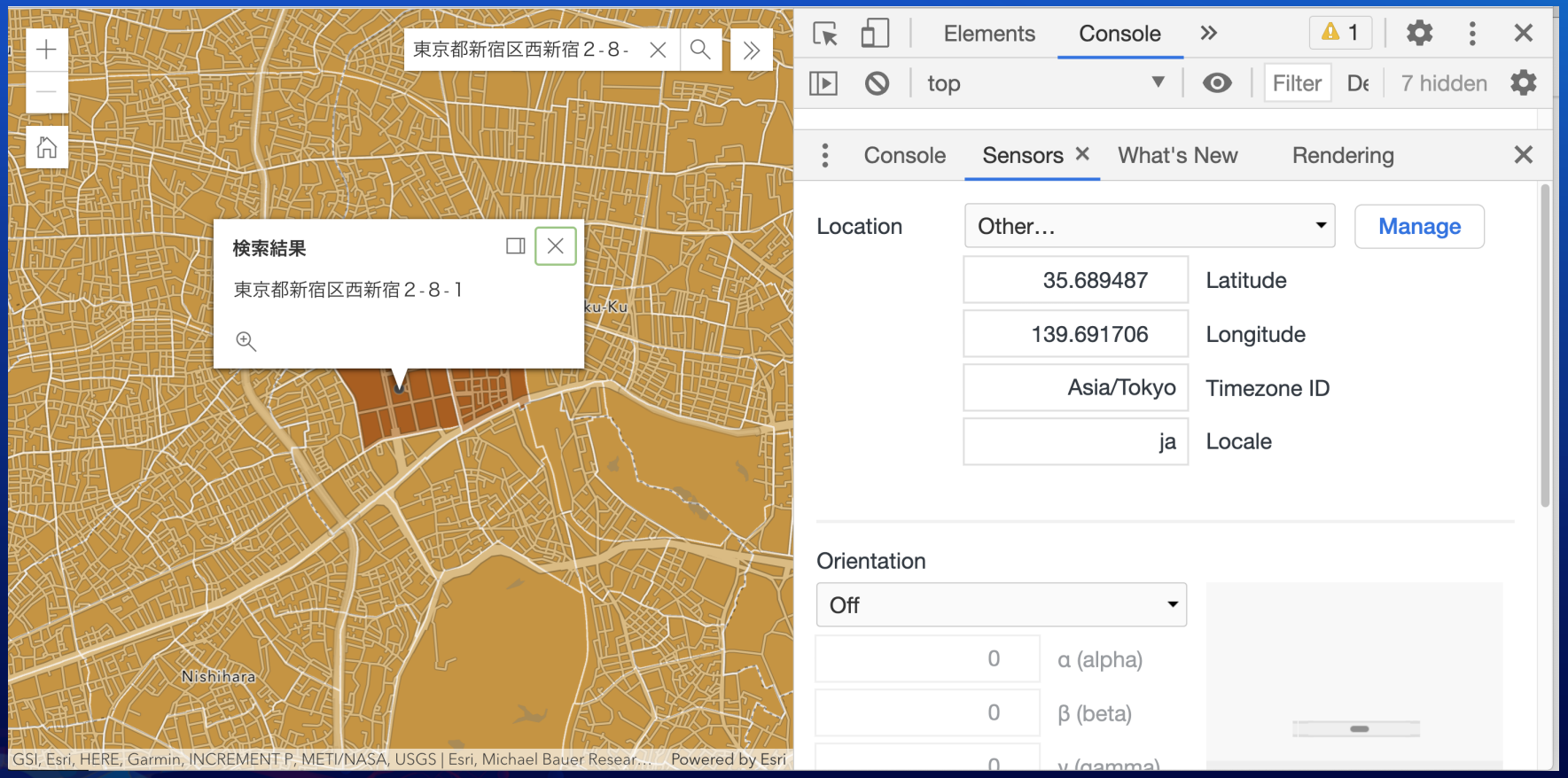
Create Live Expression

- Get coordinates as you navigate the map



Sensors

- Modify current location and locale



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