

System specification



Inserting EnOcean Alliance Product Data Bank search results into web sites

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San Ramon, CA, USA

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1. INTRODUCTION

1.1. General

It is now possible to integrate the search results of a query of the EnOcean Alliance Product Data Base into your own web site. This web site could be e.g. a homepage or also in case of an available web interface, e.g. in a gateway, even in the product itself.

It is now easy to realize an always-current list of compatible products into your own product. If a manufacturer of an actuator supporting several EEPs wants to inform his customers, what sensors are currently available on the market, which may work with this actuator, he can now integrate this list in his homepage.

As the query is made in real time, the results are always up to date, even when new compatible products are added, or old products disappear.

The technology to have its own area inside the web site is called iFrame. An iFrame is an html object to structure a web site. It is used to show other web contents as separate documents in a defined area of the browser.

This document is a step-by-step instruction how to do it. You need to be familiar with html and web site creation to use this document.

1.2. Terms & Abbreviations

EEP – EnOcean Equipment Profiles

iFrame – Inline Frame

URL – Unified Resource Locator – shown in the browser where the web site address is

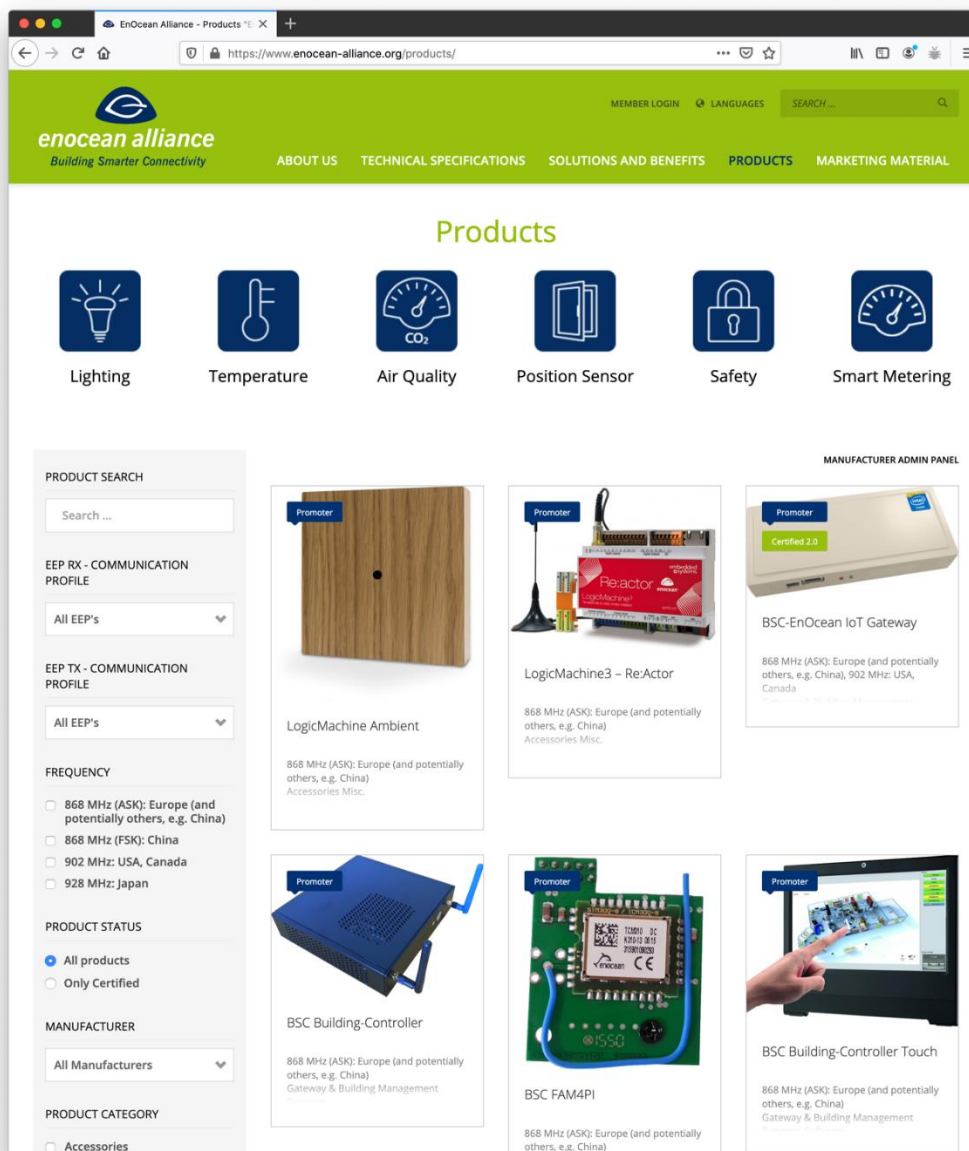
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2. STEP BY STEP INSTRUCTION

Step by step instruction how to integrate the search results of a defined search query into an iFrame.

2.1. Step 1: Select the Product Data Bank

<https://www.enocean-alliance.org/products/>

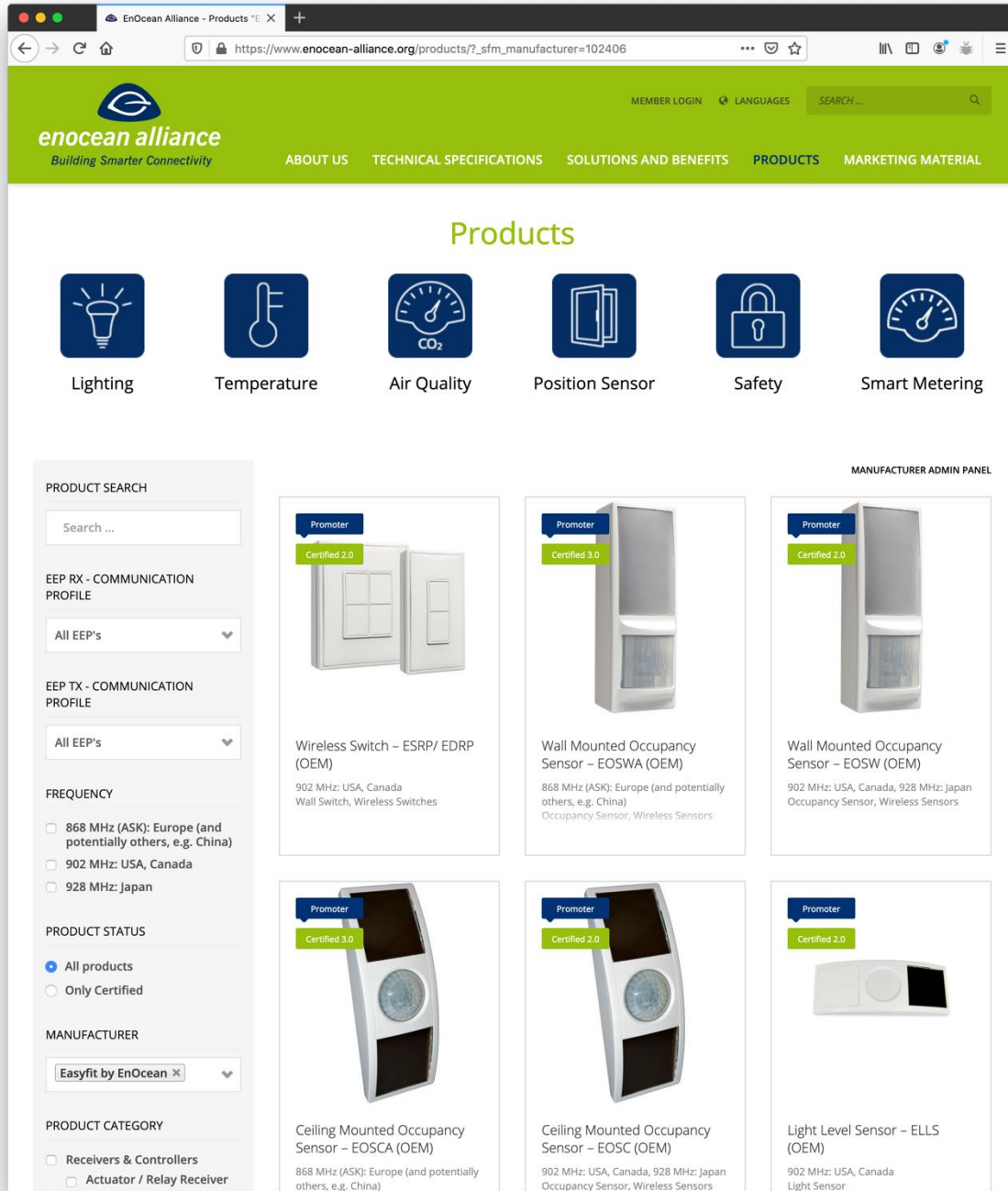


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2.2. Step 2: Apply the Appropriate Filter(s)

e.g.: manufacturer “Easyfit by EnOcean”

https://www.enocean-alliance.org/products/?_sfm_manufacturer=102406



The screenshot shows the EnOcean Alliance website's product search interface. The browser address bar displays the URL: https://www.enocean-alliance.org/products/?_sfm_manufacturer=102406. The website header includes the EnOcean Alliance logo and navigation links: ABOUT US, TECHNICAL SPECIFICATIONS, SOLUTIONS AND BENEFITS, PRODUCTS, and MARKETING MATERIAL. A search bar is located in the top right corner.

The main content area is titled "Products" and features six category icons: Lighting, Temperature, Air Quality, Position Sensor, Safety, and Smart Metering. Below these icons, a "PRODUCT SEARCH" sidebar is visible on the left, containing filters for:

- EEP RX - COMMUNICATION PROFILE: All EEP's
- EEP TX - COMMUNICATION PROFILE: All EEP's
- FREQUENCY: 868 MHz (ASK): Europe (and potentially others, e.g. China), 902 MHz: USA, Canada, 928 MHz: Japan
- PRODUCT STATUS: All products (selected), Only Certified
- MANUFACTURER: Easyfit by EnOcean (selected)
- PRODUCT CATEGORY: Receivers & Controllers, Actuator / Relay Receiver

The main product grid displays six items, each with a "Promoter" badge and a "Certified" status:

- Wireless Switch – ESRP/ EDRP (OEM)**: 902 MHz: USA, Canada; Wall Switch, Wireless Switches. Certified 2.0.
- Wall Mounted Occupancy Sensor – EOSWA (OEM)**: 868 MHz (ASK): Europe (and potentially others, e.g. China); Occupancy Sensor, Wireless Sensors. Certified 3.0.
- Wall Mounted Occupancy Sensor – EOSW (OEM)**: 902 MHz: USA, Canada, 928 MHz: Japan; Occupancy Sensor, Wireless Sensors. Certified 2.0.
- Ceiling Mounted Occupancy Sensor – EOSCA (OEM)**: 868 MHz (ASK): Europe (and potentially others, e.g. China). Certified 3.0.
- Ceiling Mounted Occupancy Sensor – EOSC (OEM)**: 902 MHz: USA, Canada, 928 MHz: Japan; Occupancy Sensor, Wireless Sensors. Certified 2.0.
- Light Level Sensor – ELLS (OEM)**: 902 MHz: USA, Canada; Light Sensor. Certified 2.0.

A "MANUFACTURER ADMIN PANEL" link is visible in the top right corner of the product grid area.

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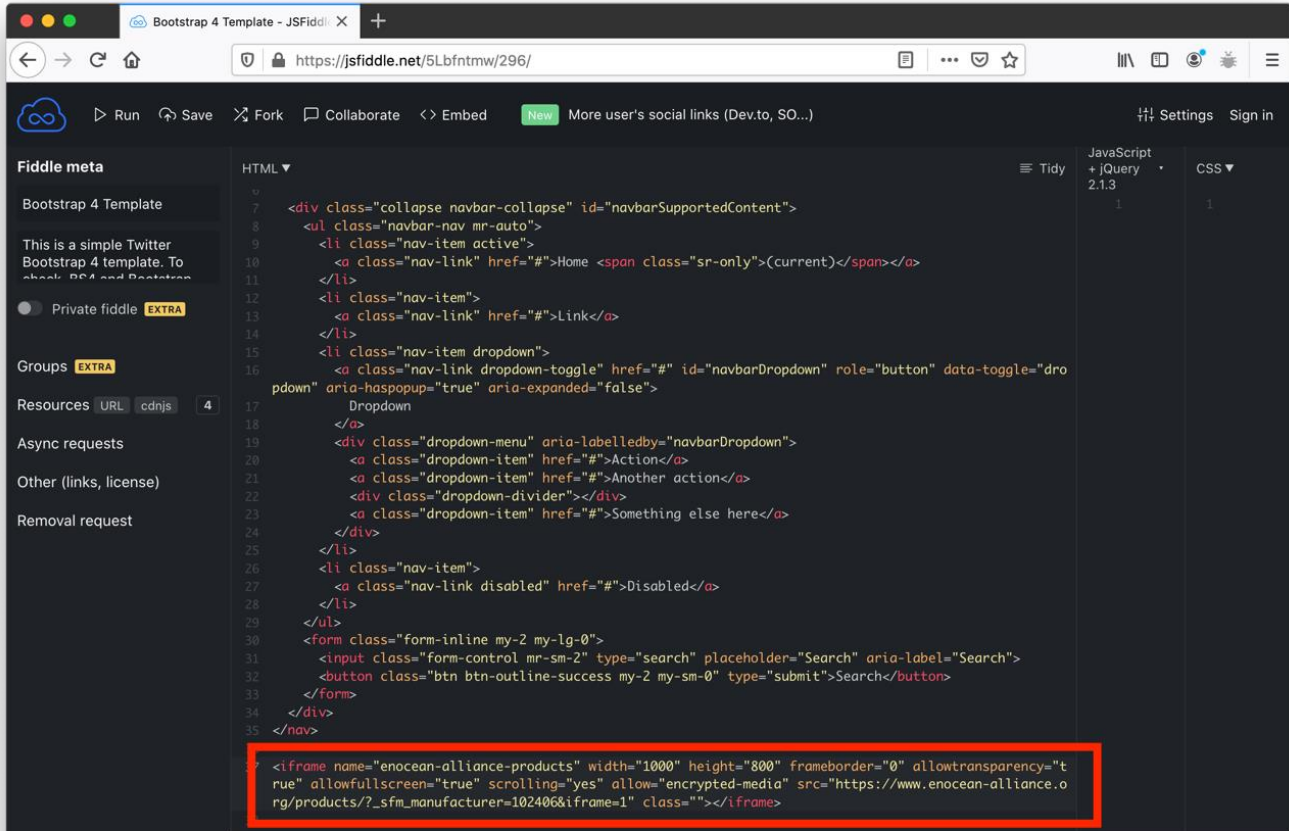
2.3. Step 3: Create the HTML Codes for the iFrame

Create an empty html code snippet for an iFrame in your web site. Fill the “src” tag with the URL shown in step 2 and then append the parameter **&iframe=1** to the URL shown in Step 2:

```
https://www.enocean-alliance.org/products/?_sfm_manufacturer=102406
```

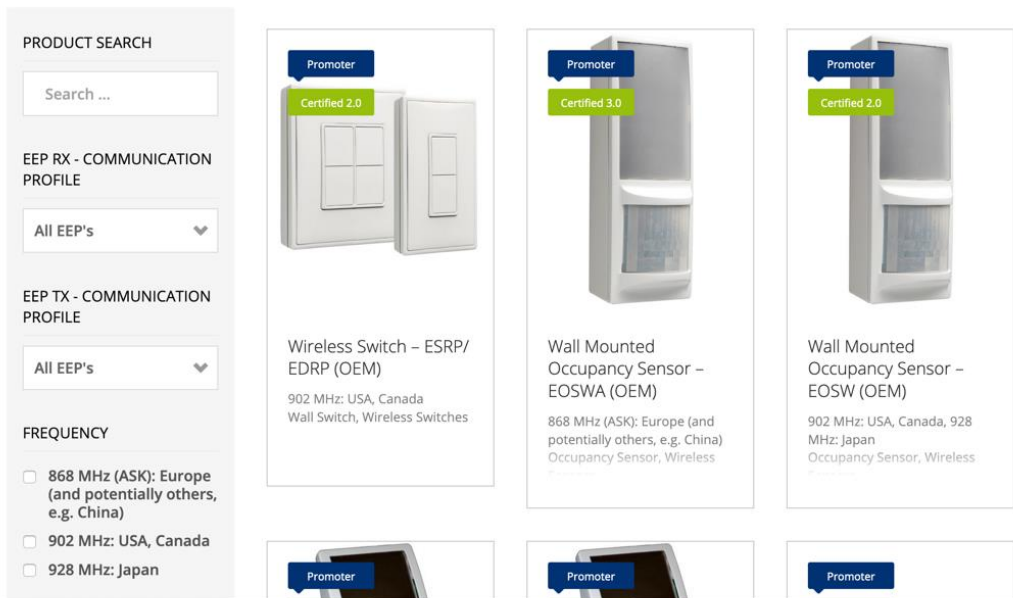
```
<iframe name="enocean-alliance-products" width="1000" height="800" frameborder="0"  
allowtransparency="true" allowfullscreen="true" scrolling="yes" allow="encrypted-media"  
src="https://www.enocean-alliance.org/products/?_sfm_manufacturer=102406&iframe=1"  
class=""></iframe>
```


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```
HTML
7 <div class="collapse navbar-collapse" id="navbarSupportedContent">
8 <ul class="navbar-nav mr-auto">
9 <li class="nav-item active">
10 <a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>
11 </li>
12 <li class="nav-item">
13 <a class="nav-link" href="#">Link</a>
14 </li>
15 <li class="nav-item dropdown">
16 <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-toggle="dro
pdown" aria-haspopup="true" aria-expanded="false">
17 Dropdown
18 </a>
19 <div class="dropdown-menu" aria-labelledby="navbarDropdown">
20 <a class="dropdown-item" href="#">Action</a>
21 <a class="dropdown-item" href="#">Another action</a>
22 <div class="dropdown-divider"></div>
23 <a class="dropdown-item" href="#">Something else here</a>
24 </div>
25 </li>
26 <li class="nav-item">
27 <a class="nav-link disabled" href="#">Disabled</a>
28 </li>
29 </ul>
30 <form class="form-inline my-2 my-lg-0">
31 <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">
32 <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>
33 </form>
34 </div>
35 </nav>
36
37 <iframe name="enocean-alliance-products" width="1000" height="800" frameborder="0" allowtransparency="t
rue" allowfullscreen="true" scrolling="yes" allow="encrypted-media" src="https://www.enocean-alliance.o
rg/products/?_sfm_manufacturer=10240&iframe=1" class=""></iframe>
```

EnOcean Alliance Example



PRODUCT SEARCH

Search ...

EEP RX - COMMUNICATION PROFILE

All EEP's

EEP TX - COMMUNICATION PROFILE

All EEP's

FREQUENCY

- 868 MHz (ASK): Europe (and potentially others, e.g. China)
- 902 MHz: USA, Canada
- 928 MHz: Japan

Product Name	Manufacturer	Frequency
Wireless Switch – ESRP/EDRP (OEM)	Promoter	902 MHz: USA, Canada
Wall Mounted Occupancy Sensor – EOSWA (OEM)	Promoter	868 MHz (ASK): Europe (and potentially others, e.g. China)
Wall Mounted Occupancy Sensor – EOSW (OEM)	Promoter	902 MHz: USA, Canada, 928 MHz: Japan

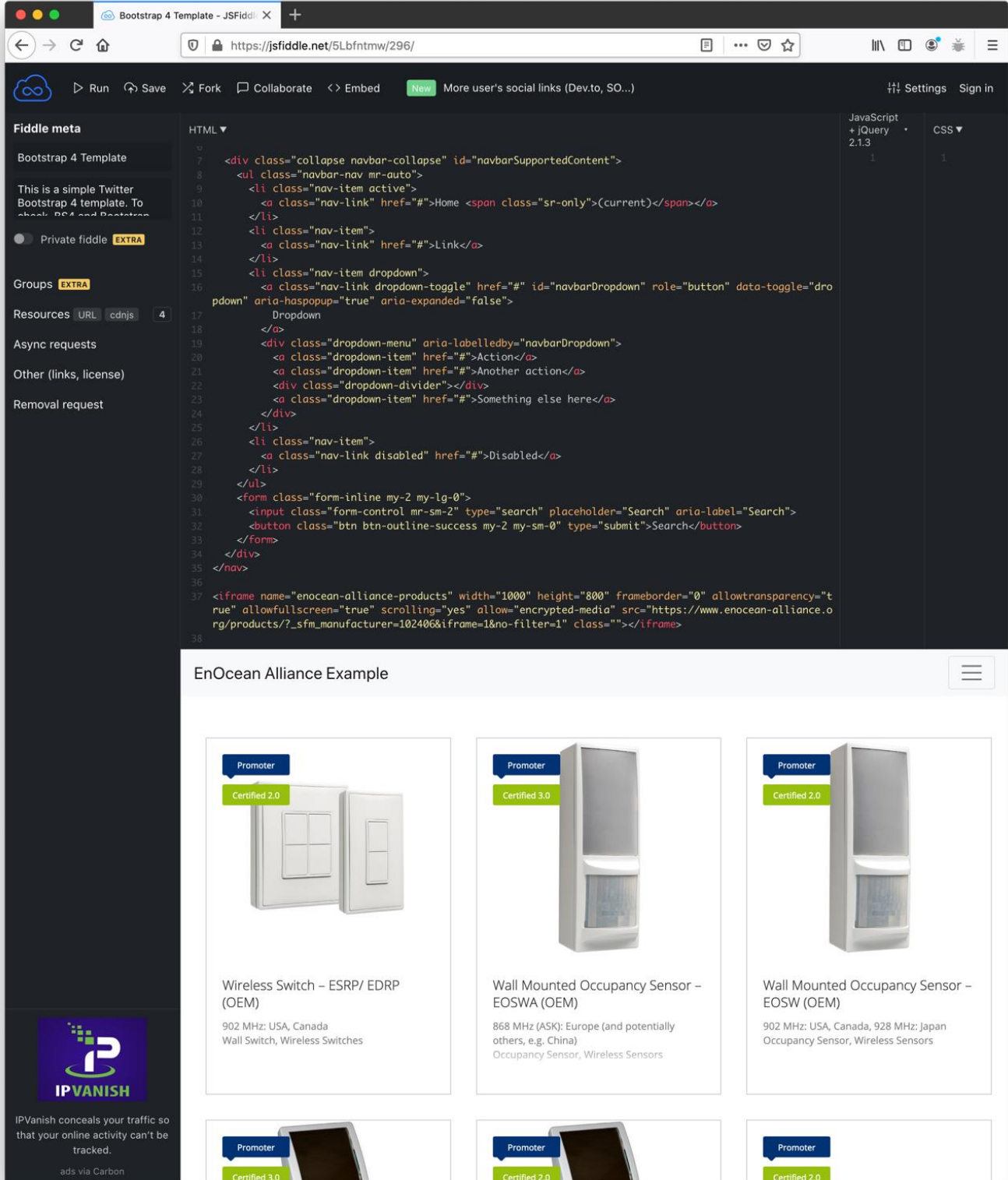
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2.4. Step 4: Filter Display

Apply the URL parameter `&no-filter=1` to conceal the filter:

```
<iframe name="enocean-alliance-products" width="1000" height="800" frameborder="0"
allowtransparency="true" allowfullscreen="true" scrolling="yes" allow="encrypted-media"
src="https://www.enocean-alliance.org/products/?_sfm_manufacturer=102406&iframe=1&no-
filter=1"
class=""></iframe>
```

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The screenshot shows a JSFiddle editor with the following HTML code:

```
HTML ▼  
7 <div class="collapse navbar-collapse" id="navbarSupportedContent">  
8 <ul class="navbar-nav mr-auto">  
9 <li class="nav-item active">  
10 <a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>  
11 </li>  
12 <li class="nav-item">  
13 <a class="nav-link" href="#">Link</a>  
14 </li>  
15 <li class="nav-item dropdown">  
16 <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-toggle="dro  
pdown" aria-haspopup="true" aria-expanded="false">  
17 Dropdown  
18 </a>  
19 <div class="dropdown-menu" aria-labelledby="navbarDropdown">  
20 <a class="dropdown-item" href="#">Action</a>  
21 <a class="dropdown-item" href="#">Another action</a>  
22 <div class="dropdown-divider"></div>  
23 <a class="dropdown-item" href="#">Something else here</a>  
24 </div>  
25 </li>  
26 <li class="nav-item">  
27 <a class="nav-link disabled" href="#">Disabled</a>  
28 </li>  
29 </ul>  
30 <form class="form-inline my-2 my-lg-0">  
31 <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">  
32 <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>  
33 </form>  
34 </div>  
35 </nav>  
36  
37 <iframe name="enocean-alliance-products" width="1000" height="800" frameborder="0" allowtransparency="t  
rue" allowfullscreen="true" scrolling="yes" allow="encrypted-media" src="https://www.enocean-alliance.o  
rg/products/?_sfm_manufacturer=102406&iframe=1&no-filter=1" class=""></iframe>  
38
```

The rendered page, titled "EnOcean Alliance Example", displays a grid of product cards:

- Wireless Switch – ESRP/ EDRP (OEM)**
902 MHz: USA, Canada
Wall Switch, Wireless Switches
- Wall Mounted Occupancy Sensor – EOSWA (OEM)**
868 MHz (ASK): Europe (and potentially others, e.g. China)
Occupancy Sensor, Wireless Sensors
- Wall Mounted Occupancy Sensor – EOSW (OEM)**
902 MHz: USA, Canada, 928 MHz: Japan
Occupancy Sensor, Wireless Sensors

Each card includes a "Promoter" badge and a "Certified" status (2.0 or 3.0). An IPVanish advertisement is visible in the bottom left corner of the rendered page.