Breville Decision Tool (widgets) Integration (V2 6.5)
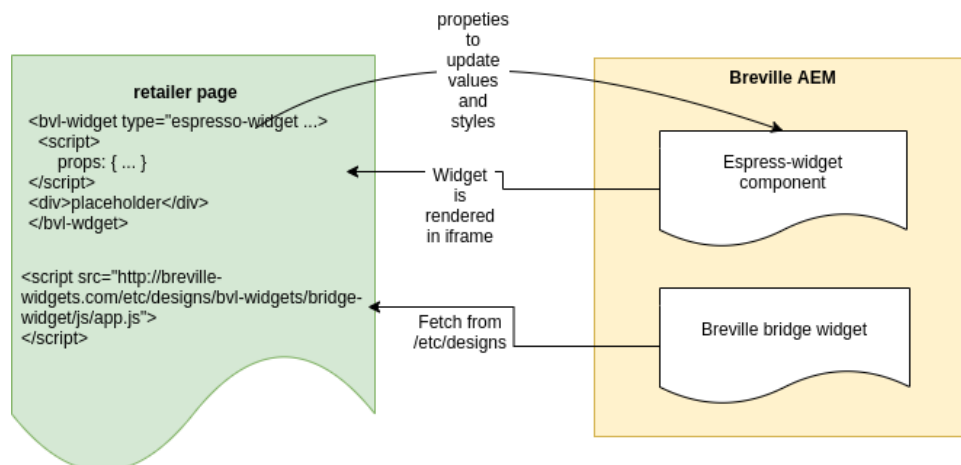
ℹ️ Original Docs here

Background

Breville | Sage Appliances have a number of guided product selection tools to help customer choose the right appliance for their needs. These tools have been made available for retail partners to easily integrate into their retail websites. This guide provides the technical details of how this can be achieved and what widgets and products are available / need to be mapped with to your (the retailers) prices and product landing pages. Demonstrations for each widget can be found at https://prod-widgets.breville.com

Solution

The `breville-widget` is a general **Web Component** that allows to host a Breville Widget inside an iFrame on your (3rd party/retailer) website. The code is necessary to control an iframe and create a communication bridge to pass critical information to the widget around pricing, styling and product pages. The widget also sends back information to resize the height of the iframe appropriately. Once the widget is placed on your site, the:

1. `breville-widget` renders an iFrame with a link to a Breville / Sage Appliances Decision tool that is hosted on https://prod-widgets.breville.com

2. `breville-widget` uses `postMessage` calls to configure the widget inside an iFrame and to pass widget configuration for locale/language, styling, product range, product page URL's, and prices to the widget.

3. A domain white-listing policy has been applied to minimise the risk of improper use of the decision tool and thus you (the retailer) must ask to be added to that whitelist

4. The `breville-widget` has been designed with security in mind to reduce the attack surface and the possibility of a widget somehow breaking the retailers site. All the widget code run inside an iframe and the `breville-widget` is just the glue to ensure the iframe is correctly setup and resized on the retailer's site and to ensure it does not block the rest of the page from loading.

Installation

There is a 3 step installation process

1. Contact Breville and ensure that your domain has been properly whitelisted so that the component is allowed to run on your site/domain. If you do not do this it will not work.

2. Add `breville-widget` JavaScript to the bottom of your page.

```
1  <!--====== Breville Widget js =======-->
2  <script src="//widgets.breville.com/etc/designs/bvl-widgets/bridge-widget/js/app.js"></script>
```

3. Add `breville-widget-v1` snippet on the page and configure it. The `breville-widget-v1` Web Component accepts the following parameters:

   ○ `type` - The type of widget. - a list of widget types in provided within this document

   ○ `locale` - The widget locale - a list of applicable locales is provided within this document

   ○ `topoffset` - At times the widget will need to scroll up to relieve the top of the widget. If you have a sticky header, your header may overlap the widget. In such case, provide the number of pixels the header takes up so the top of the widget is below the bottom of your sticky header.

   ○ JSON script element " `<script type="application/json">` " that must have:

      ■ `env` - URL where widget is hosted (this should always be set to `prod-widgets.breville.com`

      ■ `props` with

         • an optional `styles` property to style the widget

         • a `mpns` property to send product mappings, prices, and availability information to the widget. This is a mandatory property to configure where each recommended product resides on your site, it's price and availability. Each entry is defined by the Breville product parent SKU on the Breville website, but will eventually be the official manufacture product number (MPN). Please refer to specific widget examples for products and structure.

Migration from Legacy Widgets

For a migration from legacy widgets env property should be changed to

http://prod-widgets.breville.com (instead of http://widgets.breville.com):

```
1   "env": "prod-widgets.breville.com ",
```

Configuration examples

Configuration example for Espresso is shown below. This structure is also applicable for Tea, Waves, Smart Ovens, Air & Water decision tools, but requires different `type` and `mpns` .

```
1       <breville-widget-v1 type="espresso-widget" locale="us/en">
2         <script type="application/json">
3           {
4             "env": "prod-widgets.breville.com",
5             "props": {
6               "mpns": {
7                 "BES500": {
8                   "url": "https://www.your_site.com/your_BES500_product_page/",
9                   "price": "$9111.11"
10                },
11                "BES840": {
12                  "url": "https://www.your_site.com/your_BES840_product_page/",
13                  "default": 1,
14                  "price": "$9222.22"
15                },
16                "BES870": {
17                  "url": "https://www.your_site.com/your_BES870_product_page/",
18                  "default": 2,
19                  "price": "$9333.33"
20                },
21                "BES878": {
22                  "url": "https://www.your_site.com/your_BES878_product_page/",
23                  "price": "$9444.44"
24                },
25                "BES880": {
26                  "url": "https://www.your_site.com/your_BES880_product_page/",
27                  "price": "$9555.55"
28                },
29                "BES920": {
30                  "url": "https://www.your_site.com/your_BES920_product_page/",
31                  "price": "$9666.66"
32                },
33                "BES980": {
34                  "url": "https://www.your_site.com/your_BES980_product_page/",
35                  "price": "$9777.77"
36                },
37                "BES990": {
38                  "url": "https://www.your_site.com/your_BES990_product_page/",
39                  "price": "$9888.88"
40                }
41              }
42            }
43          }
44        </script>
45      </breville-widget-v1>
```

Configuration example for the "Colour Me Healthy" (Blend, Juice or Bluice) shown below.

Note: *the inclusion of product categories, must be maintained. If no products are ranged by the retailer then the category (bluicing, blender etc) should be left empty to avoid warning in the console log.*

```
1   <breville-widget-v1 type="cmh-widget" locale="us/en">
2     <script type="application/json">
3       {
4         "env": "prod-widgets.breville.com",
5         "props": {
6           "mpns": {
7             "bluicing": {
8               "BJB815": {
9                 "url": "https://www.breville.com/us/en/products/bluicers/bjb815.html",
10                "price": "$1111.01"
11              }
12            },
13            "blenders": {
14              "BBL920": {
15                "url": "https://www.breville.com/us/en/products/blenders/bbl920.html",
```

```
16            "price": "$1111.02"
17          },
18          "BBL820": {
19            "url": "https://www.breville.com/us/en/products/blenders/bbl820.html",
20            "price": "$2222.02"
21          },
22          "BBL620": {
23            "url": "https://www.breville.com/us/en/products/blenders/bbl620.html",
24            "price": "$3333.02"
25          },
26          "BPB610": {
27            "url": "https://www.breville.com/us/en/products/blenders/bpb610.html",
28            "price": "$4444.02"
29          },
30          "BBL002": {
31            "url": "https://www.breville.com/us/en/products/blenders/bbl002.html",
32            "price": "$5555.02"
33          }
34        },
35        "fast_juicers": {
36          "BJE820": {
37            "url": "https://www.breville.com/us/en/products/juicers/bje820.html",
38            "price": "$1111.03"
39          },
40          "BJE830": {
41            "url": "https://www.breville.com/us/en/products/juicers/bje830.html",
42            "price": "$2222.03"
43          },
44          "800JE": {
45            "url": "https://www.breville.com/us/en/products/juicers/800je.html",
46            "price": "$3333.03"
47          },
48          "BJE530": {
49            "url": "https://www.breville.com/us/en/products/juicers/bje530.html",
50            "price": "$4444.03"
51          },
52          "BJE430": {
53            "url": "https://www.breville.com/us/en/products/juicers/bje430.html",
54            "price": "$5555.03"
55          },
56          "JE98XL": {
57            "url": "https://www.breville.com/us/en/products/juicers/je98xl.html",
58            "price": "$6666.03"
59          },
60          "BJE200": {
61            "url": "https://www.breville.com/us/en/products/juicers/bje200.html",
62            "price": "$77777.03"
63          }
64        },
65        "slow_juicers": {
66          "BJS700": {
67            "url": "https://www.breville.com/us/en/products/juicers/bjs700.html",
68            "price": "$1111.04"
69          }
70        },
71        "citrus_presses": {
72          "800CP": {
73            "url": "https://www.breville.com/us/en/products/juicers/800cp.html",
74            "price": "$1111.05"
75          },
76          "BCP600": {
77            "url": "https://www.breville.com/us/en/products/juicers/bcp600.html",
78            "price": "$2222.05"
79          }
80        }
81      }
82    }
83   }
84  </script>
85 </breville-widget-v1>
```

Configuration example for the **Your Perfect Brew** tool shown below.

```
1 <breville-widget-v1 type="your-perfect-brew" locale="au/en">
2   <script type="application/json">
3    {
4      "env": "prod-widgets.breville.com",
5       "props": {
6         "link": {
```

```
 7          "title": "View More",
 8          "url": "https://breville.com/"
 9        }
10      }
11    }
12  </script>
13  </breville-widget-v1>
```

How to override a product's description

We recommend

the Joule® Oven Air Fryer Pro

Unleash your inner chef and unlock your Breville Joule® Oven's full potential with the power of Joule® Autopilot and the Joule® Oven App. Just press start and the oven does the rest, guiding you step-by-step through video recipes and moving seamlessly through multiple cooking functions, times and temperatures to extract more flavor, aroma, color and texture from every meal. Stay connected and relax with confidence while Joule keeps its eye on dinner for you. The Breville Joule® Oven Air Fryer Pro also features 13 pre-set smart cooking functions powered by the Element IQ® system to steer power when and where it's needed for beautifully cooked food that's crisp, juicy and full of flavor.

Download the Breville Joule® Oven App for free for iOS

Download the Breville Joule® Oven App for free for Android

Brushed Stainless Steel

$1,590.95

View Product

Example of a product's description (the burlywood background part)

If a retailer wishes to provide their own description for a specific product, add description's value to that product's mpn, for example:

```
1  "mpns": {
2    "BES500": {
3      "url": "https://www.your_site.com/your_BES500_product_page/",
4      "price": "$9111.11",
5      "description": "<p>this is the new description <strong>yo check this out</strong></p>"
6    },
7  ...
```

You can use just simple text strings or rich text strings for description.

Decision tool type and locale parameters

The following widget types and locales are currently supported.

	Espresso type="espresso-widget"	Tea type="tea-widget"	Waves type="wave-widget"	Smart Ovens type="smart-ovens"	Air type="air-widget"	Water type="water-widget"	Blend, Juice, Bluice type="cmh-widget"	Perfect Brew type="brewer-widget"
United States - English	locale="us/en"	locale="us/en"	locale="us/en"	locale="us/en"	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	locale="us/en"	locale="us/en"
Canada - English	locale="ca/en"	locale="ca/en"	locale="ca/en"	locale="ca/en"	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	locale="ca/en"	locale="ca/en"
Canada - French	locale="ca/fr"	locale="ca/fr"	locale="ca/fr"	locale="ca/fr"	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	locale="ca/fr"	locale="ca/fr"
Australia - English	locale="au/en"	*contact Breville / Sage Appliances*	locale="au/en"	locale="au/en"	locale="au/en"	locale="au/en"	locale="au/en"	locale="au/en"
New Zealand - English	locale="nz/en"	*contact Breville / Sage Appliances*	locale="nz/en"	locale="nz/en"	locale="nz/en"	locale="nz/en"	locale="nz/en"	locale="nz/en"
United Kingdom - English	locale="uk/en"	locale="uk/en"	locale="uk/en"	locale="uk/en"	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	locale="uk/en"	locale="uk/en"
Switzerland -	locale="ch/de"	*contact Breville /*	*contact Breville /*	*contact Breville /*	*contact Breville /*	*contact Breville /*	locale="ch/de"	locale="ch/de"

German		*Sage Appliances*	*Sage Appliances*	*Sage Appliances*	*Sage Appliances*	*Sage Appliances*		
Switzerland - French	`locale="ch/fr"`	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	`locale="ch/fr"`	`locale="ch/fr"`
Switzerland - Italian	`locale="ch/it"`	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	`locale="ch/it"`	`locale="ch/it"`
Europe - German	`locale="eu/de"`	locale="eu/de"	locale="eu/de"	locale="eu/de"	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	`locale="eu/de"`	`locale="eu/de"`
Europe - French	`locale="eu/fr"`	*contact Breville / Sage Appliances*	locale="eu/fr"	locale="eu/fr"	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	`locale="eu/fr"`	`locale="eu/fr"`
Europe - Spanish	`locale="eu/es"`	*contact Breville / Sage Appliances*	locale="eu/es"	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	`locale="eu/es"`	`locale="eu/es"`
Europe - Dutch	`locale="eu/nl"`	*contact Breville / Sage Appliances*	locale="eu/nl"	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	*contact Breville / Sage Appliances*	`locale="eu/nl"`	`locale="eu/nl"`
Europe -	`locale="eu/en"`	*contact Breville /*	locale="eu/en"	*contact Breville /*	*contact Breville /*	*contact Breville /*	`locale="eu/en"`	`locale="eu/en"`

Applicable MPN's for Each Tool Per locale

The following MPN's can be included when setting up the configuration for each decision tool. Simply **omit any MPN's not included in the range on your retail website** to avoid that product being recommended.

For each MPN added to the configuration, make sure both `url` and `price` information is provided. The example below shows all information required for each MPN for Espresso, Tea, Waves, Smart Ovens, Air & Water. For the "Blend, Juice or Bluce" (`type="cmh-widget"` each list of mpn need to be contained in a specific category (see separate example at end of document).

```
1  "BES500": {
2    "url": "https://www.your_site.com/your_BES500_product_page/",
3    "price": "$9111.11"
4  }
```

Espresso

*MPNs are case insensitive

Name	US	CA	AU	NZ	UK	EU	CH
The Dual Boiler	BES920	BES920	N/A	N/A	BES920	BES920	BES920
The Barista Express	BES870	BES870	BES870	BES870	BES875	N/A	BES875
the Barista Express Impress	BES876	BES876	BES876	BES876	BES876	N/A	N/A
The Infuser	BES840	BES840	BES840	BES840	N/A	N/A	N/A
The Oracle Touch	BES990	BES990	BES990	BES990	BES990	BES990	BES990
The Oracle	BES980	BES980	BES980	BES980	BES980	BES980	BES980
The Barista Touch	BES880	BES880	BES880	BES880	BES880	BES880	BES880
The Duo Temp Pro	N/A	N/A	N/A	N/A	Bes810	Bes810	Bes810
The Bambino Plus	BES500	BES500	BES500	BES500	BES500	BES500	BES500
The Barista Pro	BES878	BES878	BES878	BES878	BES878	BES878	BES878
The Bambino	BES450	BES450	BES450	BES450	N/A	N/A	N/A
The Dynamic Duo	N/A	N/A	BEP920	BEP920	N/A	N/A	N/A
The Creatista Plus (Nespresso)	N/A	N/A	BNE800	BNE800	N/A	N/A	N/A
Creatista Uno (Nespresso)	N/A	N/A	BNE500	BNE500	N/A	N/A	N/A

Waves

Name	US	CA	AU	NZ	UK	EU	CH
the Combi Wave™ 3 in 1	BMO870	BMO870	BMO870	BMO870	BMO870	BMO870	BMO870
the Smooth Wave™	BMO850	BMO850	BMO850	BMO850	N/A	N/A	N/A
the Compact Wave™	BMO650	BMO650	BMO650	BMO650	BMO650	BMO650	BMO650

Tea

Name	US	CA	UK	EU
The Breville Smart Tea Infuser	BTM600	BTM600	BTM600	BTM600
The IQ Kettle Pure	BKE830	BKE830	N/A	N/A
The Tea Maker	BTM800	BTM800	BTM800	BTM800
the Temp Select	BKE720	N/A	N/A	N/A
the Tea Maker Compact	BTM700	BTM700	BTM700	BTM700
the IQ Kettle™	BKE820	BKE820	N/A	N/A
the Breville Smart Tea Infuser™ Compact	BTM500	BTM500	BTM500	BTM500
the Smart Kettle Luxe	BKE845	BKE845	BKE820	BKE820

Smart Ovens

Name	US	CA	AU	NZ	UK	EU
The Smart Oven Air	BOV900	BOV900	N/A	N/A	N/A	N/A
The Smart Oven Air Fryer	BOV860	BOV860	BOV860	BOV860	SOV860	SOV860
The Smart Oven Pro	BOV845	BOV845	BOV845	BOV845	BOV820	BOV820
The Smart Oven	BOV800	N/A	N/A	N/A	N/A	N/A
the Joule Oven Air Fryer Pro	BOV950	BOV950	N/A	N/A	N/A	N/A
the Smart Oven Pizzaiolo	BPZ820	BPZ820	BPZ820	BPZ820	SPZ820	SPZ820
The Compact Smart Oven	BOV650	N/A	N/A	N/A	N/A	N/A
The Mini Smart Oven	BOV450	BOV450	N/A	N/A	N/A	N/A
The Smart Oven Compact Convection	N/A	BOV670	N/A	N/A	N/A	N/A

Air

Name	US	CA	AU	NZ	UK	EU
the Easy Air™ Connect Purifier	N/A	N/A	LAP158	LAP158	N/A	N/A
The Smart Air Viral Protect Compact Purifier	N/A	N/A	BAP208	BAP208	N/A	N/A
The Smart Air Viral Protect Compact Purifier	N/A	N/A	BAP408	BAP408	N/A	N/A

the Smart Air™ Plus Connect Purifier	N/A	N/A	LAP508	LAP508	N/A	N/A
the Smart Air™ Plus Purifier	N/A	N/A	LAP500	LAP500	N/A	N/A
the Smart Air™ Purifier	N/A	N/A	LAP300	LAP300	N/A	N/A
the Easy Air™ Purifier	N/A	N/A	LAP150	LAP150	N/A	N/A
the Smart Dry™ 2-in-1 Viral Protect Dehumidifier	N/A	N/A	BAD708	BAD708	N/A	N/A
the Smart Dry Plus™ Connect Dehumidifier	N/A	N/A	BAD308	BAD308	N/A	N/A
the Smart Dry™ Connect Dehumidifier	N/A	N/A	BAD208	BAD208	N/A	N/A
the Smart Dry Ultimate™ Dehumidifie	N/A	N/A	LAD500	LAD500	N/A	N/A
the All Climate™ Dehumidifier	N/A	N/A	LAD250	LAD250	N/A	N/A
the Smart Mist™ Humidifier	N/A	N/A	LAH400	LAH400	N/A	N/A
the Easy Mist™	N/A	N/A	LAH300	LAH300	N/A	N/A

Water

Name	US	CA	AU	NZ	UK	EU
the AquaStation™ Purifier	N/A	N/A	LWA100BSS	LWA100BSS	N/A	N/A
the AquaStation™ Purifier Hot	N/A	N/A	LWA200BSS	LWA200BSS	N/A	N/A
AquaStation Chilled Water Filter	N/A	N/A	LWA300BSS	LWA300BSS	N/A	N/A
AquaStation Chilled + Hot Water Filter	N/A	N/A	LWA600BSS	LWA600BSS	N/A	N/A

Blend, Juice, Bluice

For each MPN added to the configuration for Blend, Juice, Bluice, make sure all information is provided, **and MPN is placed under the correct product category**.

If a product is not ranged, it can be omitted **leaving the category blank** (with no products) and thus removing causing the widget to never recommend that category. To avoid possible warnings in the console, we recommend to always have the list of categories (i.e bluicing, blenders etc) present even when they are empty.
Product category naming must be maintained.

```
1  {
2    "mpns": {
3      "bluicing": {
4        "BJB815": {
5          "url": "https://www.your_site.com/your_product_page.html",
6          "price": "$1111.01"
7        }
8      },
9      "blenders": {
10       "BBL920": {
11         "url": "https://www.your_site.com/your_product_page.html",
12         "price": "$1111.02"
13       },
14     "fast_juicers": {
15       "BJE820": {
16         "url": "https://www.your_site.com/your_product_page.html",
17         "price": "$1111.03"
18       },
19       "slow_juicers": {
20         "BJS700": {
21           "url": "https://www.your_site.com/your_product_page.html",
22           "price": "$1111.04"
23         }
24       },
```

```
25        "citrus_presses": {
26          "800CP": {
27            "url": "https://www.your_site.com/your_product_page.html",
28            "price": "$1111.05"
29          }
30        }
31      }
32    }
33  }
34 }
```

	Name	US	CA	AU	NZ	UK	EU	CH
Bluicers	The 3x Bluicer Pro	BJB815	BJB815	BJB815	BJB815	BJB815	BJB815	BJB815
	The 3x Bluicer	N/A	BJB615	BJB615	BJB615		BJB615	BJB615
Blenders	The Super Q	BBL920	BBL920	BBL920	BBL920	BBL920	BBL920	BBL920
	The Boss	N/A	N/A	BBL915	N/A	N/A	N/A	N/A
	The Q	BBL820	BBL820	BBL820	BBL820	BBL820	BBL820	N/A
	The Kinetix Pro	N/A	N/A	BBL800	N/A	N/A	N/A	N/A
	The Fresh & Furious	BBL620	BBL620	BBL620	BBL620	BBL620	BBL620	BBL620
	The Kinetix Twist	N/A	N/A	BBL405	BBL405	N/A	BBL405	N/A
	The Breville Boss to Go Sport/Plus	BPB610	N/A	N/A	N/A	N/A	BPB620	BPB620
	The Boss to Go	N/A	N/A	N/A	N/A	BPB550	BPB550	BPB550
	The Vac Q	BBL002	BBL002	BBL002	BBL002	BBL002	BBL002	BBL002
Fast Juicers	The Juice Fountain Duo	BJE820	N/A	N/A	N/A	N/A	N/A	N/A
	The Juice Fountain/Nutri Juicer Cold XL	BJE830	BJE830		BJE830	BJE830	BJE830	BJE830
	The Cold Fountain Pro	N/A	N/A	BJE825	N/A	N/A	N/A	N/A
	The Juice Fountain Elite	800JE	800JE		N/A	N/A	N/A	N/A
	The Juice Fountain/Nutri Juicer Cold Plus	BJE530	BJE530	BJE530	BJE530	BJE530	N/A	N/A
	The Froojie Fountain / Nutri Juicer Plus	N/A	N/A	BJE520	N/A	N/A	BJE520	N/A
	The Juice Fountain Multi-Speed	N/A	BJE510	N/A	N/A	N/A	N/A	N/A
	The Juice Fountain/Nutri Juicer Cold	BJE430	BJE430	BJE430	BJE430	BJE430	BJE430	BJE430
	The Juice Fountain Plus /Max /Nutri Juicer Classic	JE98XL	JE98SI	BJE410	BJE410	N/A	BJE410	BJE410
	The Juice Fountain Compact	BJE200	BJE200	BJE200	N/A	N/A	N/A	N/A
Slow Juicer	The Big Squeeze	BJS700	BJS700	BJS700	N/A	BJS700	BJS700	N/A

Citrus Press	The Citrus press Pro	800CP	800CP	800CP	800CP	800CP	800CP	800CP

Widget Security

The `breville-widget` has been designed with following security measures in place

1. A white-listing policy is applied across all widgets. This prevents any widget from loading unless it can verify that the retail website domain (URL) has been added to the list of acceptable domains under the policy.
   a. To add you website domain(s) to the white-listing policy, please submit a request via email to your regional Breville/Sage Appliances contact stating all retail website domains where the widget / decision tools are intended to be used.
2. All widgets code runs within an iframe that is embedded on the retailer website via the script provided as part of this implementation guide. The script ensures the iframe correctly setup to call & display widget content within the retailer site. Minimal code and changes are made to the `breville-widget` scripts.

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