Build an Intelligent Recommendation Slider Action

Follow these steps to create a recommendations action that uses a single recommendation strategy.

1. Click **COMPONENTS** in the top navigation bar and then select **Actions**.

2. Click **CREATE ACTION**.

3. Click the **Merchandise** tab and then click **Intelligent Recommendation Slider**.

4. Select where on the page of your site you want the recommendation slider to appear, and then click the forward arrow. See **Element Selectors** for more information.
Configuring the Details Settings

Follow these steps to configure the source of the recommendations that appear in the slider and the appearance of the slider.

1. Configure as necessary the element-related options on the Details tab.
   a. Edit the selected node in Relative Element Selector.
   b. Select an option from Insert Method to determine where the recommendations slider should be inserted relative to the selected node in Relative Element Selector.
   c. Select RecheckForElement if you want Monetate to recheck for the selected node for up to 3 seconds if it doesn't find it immediately. Select SelectMultipleElements if you want the platform to display the recommendations at every occurrence of the selected node on the page if it finds multiple occurrences.

2. Select the recommendation strategy that you want the action to use.
3. Configure the fallback recommendation strategy settings.
   a. Select a backup recommendation strategy from **Fallback Recommendation Strategy** that you want the action to use to supplement the primary recommendation strategy if it can't display enough recommended products to meet the minimum.
   b. Enter into **Minimum Items** the minimum number of products the primary recommendation strategy must display before the action triggers the fallback recommendation strategy.

   Setting the minimum at zero prevents the fallback recommendation strategy from rendering and thus cause the action to fire in all scenarios, even if no products are recommended.

4. Enter into **Maximum Items** the maximum number of products to include in the recommendations results.
5. Configure the recommendation slider’s content.
   a. Enter into **Pinned Products** the product IDs for any products that you want to always appear at the beginning of the slider.
   b. Enter into **Maximum Number of Items** how many products you want to appear per panel of the slider.

6. Select the movement of each panel of product images in the slider:
   - Horizontal – Left to Right
   - Horizontal – Right to Left
   - Vertical

7. Optionally, customize the HTML code that builds the slider structure in the **Slider Container Template** code editor.
   - Add slide navigation buttons by adding the attributes `data-prev-button` and `data-next-button`.
   - If you use arrow images for navigation, then you must include elements with the attribute `data-prev-button` and `data-next-button` for them to appear.
8. Optionally, customize the HTML code that builds the product slides in the **Slide Template** code editor. See Modifying the Slide Template in this documentation for more information.

9. Optionally, customize the slide visibility options in the **Settings Object** code editor. See Modifying the Slide Visibility Template in this documentation for more information.

10. Add an image file to **Previous Button Creative** and to **Next Button Creative**, respectively, to be used for the slider navigation buttons.
    - Click **CHOOSE EXISTING** to select an image from Content Manager.
    - Click **GENERATE IMAGE** to generate an image placeholder.
Click **UPLOAD** to select an image file on your computer or other external location and then upload it to the platform.

Click the forward arrow on the right-hand side of the Action Builder panel if you are ready to **name and save** the action. Click another tab on the left-hand side of the panel to continue configuring the new action.

## Modifying the Slider CSS

Follow these steps to optionally modify the slider's CSS.

1. Click the **Styles** tab.

2. Modify the CSS in the template. Ensure you use the placeholder **#MONETATE-ID** as the selector for the action's wrapper ID.
   - Click **CHOOSE SAVED CSS** to select CSS already uploaded to the platform.
- Click **UPLOAD CSS** to select a file containing CSS on your computer or other external location and then upload it to the platform.
- Manually edit the CSS in the code editor.

![Action Builder Panel](image)

Click the forward arrow on the right-hand side of the Action Builder panel if you're ready to **name and save** the action. Click another tab on the left-hand side of the panel to continue configuring the new action.

**Applying Content Masking**

Content masking hides an element or holds an element on a page until after Monetate's actions complete, which thus allows all site elements to appear at the same time. The **Mask** tab contains the settings for applying a content mask to the action you're creating.

![Content Masking](image)

See [Content Masking](#) for more information on the circumstances for applying content masking and how to configure it.

Click the forward arrow on the right-hand side of the Action Builder panel if you're ready to **name and save** the action. Click another tab on the left-hand side of the panel to continue configuring the new action.
Adding Action Conditions

Follow these steps to optionally apply conditions that determine the circumstances that trigger the action you're creating.

1. Click the **Conditions** tab.

![Adding Action Conditions](image1)

2. Click **ADD CONDITION**, select a category, and then select an operator for the specific category option. See **Action Conditions** for more information.

![Adding Action Conditions](image2)

Repeat these steps if you need to create additional action conditions, and then toggle the logic switch to **OR** if you want the action to fire only if one of the conditions is met.

![Adding Action Conditions](image3)

Click the forward arrow on the right-hand side of the Action Builder panel if you're ready to name and save the action. Click another tab on the left-hand side of the panel to continue configuring the new action.

**Enabling Action Inputs**

The options on the Inputs tab determine which settings are available when the action that you're creating is added to an experience. All options are enabled by default.

For example, if you want to be able to select which recommendation strategy the action uses each time it's added to an experience, then you must ensure that a check mark appears for Recommendation Set.

The options on the tab correspond to fields, settings, and code that you configured on the Details tab and the Styles tab. If you disable, or uncheck, any option on the Inputs tab and then finish creating the action, then however you configured that option's corresponding setting on the Details tab or the Styles tab becomes fixed, and a user cannot change it when configuring the action in an experience.

Click the forward arrow on the right-hand side of the Action Builder panel if you're ready to name and save the action. Click another tab on the left-hand side of the panel to continue configuring the new action.

**Saving the Action**

Clicking the forward arrow when you're on any of the tabs takes you to the final step of creating the action. Follow these steps to complete the action and save it.

1. Input a name into **Action Title**.
2. Input a brief summary of the action's key configurations into **Description**.
3. Input into **Subcategory** the heading under which you want the action listed when it appears on the Recommendations panel of an experience's WHAT settings.
4. Click **CREATE & EXIT**.
See Test an Action for instructions to deploy the action you built on your site to ensure it works as you expect.

## Modifying the Slide Template

You can modify the slide template using placeholders that contain valid values, such as `{{price}}`. In addition to `price`, possible placeholder values include all product catalog attributes, including `title`, `id`, `itemGroupId`, `salePrice`, `link`, and `imageLink`.

If you want to use custom attributes from your product catalogs to modify slide templates, then contact your dedicated Customer Success Manager so that Development Services can perform the backend work required for the recommendations action to support those custom attributes.

You can also modify the slide template with these code snippets:

- `truncate` — Sets the maximum number of characters of the returned data that appear before the rest is truncated
  
  `{{title|truncate: 20}}`

- `priceFormat` — Formats a price based on a template of 1,000; supports currency symbols before or after the price, comma separators, and infinite decimal places to accommodate such prices points as EUR 1,000.00
  
  `{{price|priceFormat: $1,000.00}}`

- `appendParam` — Adds parameters to a URL; added with a question mark (?) if the URL has no existing parameters or added with an ampersand (&) after the URL’s existing parameters
  
  `{{link|appendParam: source=monetate}}`
  
  `{{link|appendParam: source=monetate&experience=intelligentRecommendations}}`

## Modifying the Slide Visibility Template

You can use a variety of JSON code snippets to modify the Settings object template, which determines various factors for the movement of slides within the slider.

Use the `autoRotateDuration` snippet to determine how long the slider pauses in milliseconds before automatically advancing to the next slide display. The default value is `0`, which disables autorotation.
The `breakpoints` snippet determines the breakpoints and how many slides are visible or partially visible.

Consider this example:

```json
"breakpoints": {
  "Infinity": {
    "visible": 5
  },
  "768": {
    "visible": 3
  },
  "414": {
    "peekRight": 0.5,
    "visible": 1,
    "peekLeft": 0.5
  }
}
```

This code results in the following behavior:

- When displayed on a screen up to 414 pixels wide, one full slide appears with half a slide to the left and to the right of it is each partially displayed
- When displayed on a screen sizes 414–768 pixels, three full slides appear
- When displayed on a screen 768 pixels wide or greater (established by `Infinity`), five full slides appear

Use `gridSize` to enable a grid layout. The default value is `1`. For example, a value of `3` sets three rows for a horizontal slider or three columns for a vertical slider.

The `infiniteSlide` snippet determines if the slider scrolls infinitely or stops at the end. The default value is `false`.

The `pagination` snippet determines if page navigation buttons appear. The value options are as follows:

- `none` — No pagination appears; default setting
- `dots` — Displays a single dot for each slide
- `dots-page` — Displays a dot for each page of slides (for example, three dots appear in a slider with 18 total slides that appear six slides to a page)
- `thumbnails` — Creates a thumbnail version of each slide

⚠️ Only use the `dots-page` value if the value of `slideIncrement` is `page`.

Use `pauseOnHover` to determine if the slider pauses autorotation on slide hover if `autoRotateDuration` is set. The default value is `false`.

The `slideIncrement` snippet determines if the slider transitions by page or by single slide. The value options are as follows:

- `page` — Slider transitions by page of slides; default setting
- `single` — Slider transitions one single slide at a time
Use `stopOnInteration` to determine if the slider stops autorotating when the customer interacts with it if `autoRotateDuration` is set. The default value is `false`.

Use `transitionAnimation` to set the animation style for transitioning between slides. The value options are as follows:

- `push` — A slide moves in from the side for a horizontal slider and from the bottom for a vertical slider; default setting
- `fade` — The current slide fades out and the new one fades in
- `none` — No animation is used

Use `transitionDuration` to determine how long the slide transition animation lasts in milliseconds. The default value is `250`.