

# Validate Product (Before)

This action manipulates the HTTP request or response before the ValidateProduct operation occurs in Kibo eCommerce.

|  |  |
|--|--|
| <b>Action Type</b>                     | HTTP   |
| <b>Full Action ID</b>                  | http.commerce.catalog.storefront.products.validateProduct.before |
| <b>Runs multiple custom functions?</b> | Yes  |

## JavaScript File Structure

Action files share the following basic structure:

```
module.exports = function(context, callback) {  
  // Your custom code here  
  callback();  
};
```

When you code the custom function for an action, you have access to two arguments:

**callback** —This argument follows the established JavaScript callback pattern: it takes an error as the first argument (or null if there is no error) and a result as the second argument (if required).

**context** —This argument provides the function access to relevant objects and methods that interface with Kibo eCommerce.

## Context: HTTP

The methods and objects documented here are available to this action through the use of the **context** argument.

### REST API Operation

This action corresponds to the [commerce/catalog/storefront/products/ValidateProduct](#) operation.

### HTTP Request

```
GET api/commerce/catalog/storefront/products/{productCode}/validate?skipInventoryCheck={skipInventoryCheck}&quantity={quantity}&responseFields={responseFields}
```

### Request Body

Use `context.request.body` to read/write the HTTP request body using this action.

### Response Body

Use `context.response.body` to write the HTTP response body using this action.

## Context Objects Available to All HTTP Actions

### request

Accesses the current HTTP request. In the case of Before actions, updates can be made to the request before Kibo eCommerce processes it.

| Property | Type    | Description  |
|----------|---------|--|
| params   | object  | The input parameters to the service or webpage.                          |
| headers  | object  | The request headers.   |
| method   | string  | The request method.  |
| url      | string  | The request URL.   |
| path     | string  | The request path.  |
| cookies  | object  | The request cookies.<br><br>*Available only for Storefront HTTP actions. |
| query    | object  | The request query.   |
| href     | string  | The request href.  |
| secure   | Boolean | Indicates whether the request uses HTTPS.                                |
| ip       | string  | The request IP address.  |
| ips      | string  | The request secure IP address.   |
| body     | object  | The request body of the API operation associated with this action.       |

Example:

```
context.request.url;
```

### response

Accesses the current HTTP response. For both Before and After actions, updates can be made to the response before Kibo eCommerce processes it.

| Property | Type   | Description                     |
|----------|--------|---------------------------------|
| header   | object | The response header collection. |

| Property | Type    | Description  |
|----------|---------|--|
| viewData | object  | The viewData collection used by the storefront rendering engine.<br>*Available only for Storefront HTTP actions. |
| viewName | string  | The response viewName value.<br>*Available only for Storefront HTTP actions.                                     |
| body     | object  | The response body of the API operation associated with this action.  |
| status   | integer | The response status code.  |
| message  | string  | The response message.  |
| length   | integer | The response length.   |
| type     | string  | The response type.   |

Example:

```
context.response.header;
```

## Context Methods Available to All HTTP Actions

### request.get

Returns an HTTP header value for the specified header key.

| Parameter | Type   | Description     |
|-----------|--------|-----------------|
| key       | string | The header key. |

Example:

```
context.request.get(field);
```

Response:

```
"object"
```

### response.get

Gets a field from the response.

| Parameter | Type   | Description          |
|-----------|--------|----------------------|
| key       | object | The field to obtain. |

Example:

```
context.response.get(field);
```

Response:

```
"string"
```

### response.set

Sets the HTTP headers for the response.

| Parameter | Type   | Description                      |
|-----------|--------|----------------------------------|
| values    | object | The values for the HTTP headers. |

Example:

```
context.response.set({ myCustomHeader: "howdy" });
```

Response: N/A

### response.set2

Updates a field in the response.

| Parameter | Type   | Description             |
|-----------|--------|-------------------------|
| key       | string | The key of the field.   |
| value     | string | The value of the field. |

Example:

```
context.response.set("name", "stuff");
```

Response: N/A

### response.remove

Removes an HTTP header from the response.

| Parameter | Type   | Description                |
|-----------|--------|----------------------------|
| key       | string | The HTTP header to remove. |

Example:

```
context.response.remove(header);
```

Response: N/A

## response.redirect

Redirects the incoming URL.

| Parameter | Type   | Description          |
|-----------|--------|----------------------|
| url       | string | The destination URL. |

Example:

```
context.response.redirect("http://someOtherSite/foo");
```

Response: N/A;

## response.end

Ends the response so that other actions or Kibo eCommerce logic can run. Also, signals the callback to complete.

| Parameter | Type | Description |
|-----------|------|-------------|
| N/A       | N/A  | N/A         |

Example:

```
context.response.end();
```

Response: N/A

## get.resource

Returns the currently persisted value of the requested resource. **\*\*Not available for all calls.**

| Parameter | Type | Description |
|-----------|------|-------------|
| N/A       | N/A  | N/A         |

Example:

```
context.get.resource();
```

Response: N/A

### get.resourceStatus

Gets the HTTP resource status.

| Parameter | Type | Description |
|-----------|------|-------------|
| N/A       | N/A  | N/A         |

Example:

```
context.get.resourceStatus();
```

Response: N/A

### items.urlHelper.getUrl

Gets the current URL.

| Parameter | Type | Description |
|-----------|------|-------------|
| type      |      |             |
| object    |      |             |
| config    |      |             |

Example:

```
context.items.urlHelper.getUrl(type, object, config);
```

## Context Objects Available to All Actions

### apiContext

Accesses Kibo eCommerce tenant information.

| Property   | Type   | Description                    |
|------------|--------|--------------------------------|
| baseUrl    | string | The base URL for the site.     |
| basePciUrl | string | The base PCI URL for the site. |

| Property            | Type      | Description  |
|---------------------|-----------|--|
| tenantPod           | string    | The name of the tenant pod in which the tenant resides.  |
| appClaims           | string    | The application claims token.  |
| appKey              | string    | The application key.   |
| tenantId            | integer   | Unique identifier for the tenant.  |
| siteId              | integer   | Unique identifier for the site. This ID is used at all levels of a store, catalog, and tenant to associate objects to a site.                            |
| masterCatalogId     | integer   | Unique identifier for the master catalog.  |
| catalogId           | integer   | The unique identifier for the product catalog. Catalogs are part of a master catalog.  |
| currencyCode        | string    | The default three-letter ISO currency code for monetary amounts.   |
| previewDate         | date/time | The date and time that the content is being viewed. This might be a future date if the content is previewed with an active date range set in the future. |
| localeCode          | string    | The locale code per the country code provided. This code determines the localized content to use and display.  |
| correlationId       | string    | The unique identifier of the API request associated with the event action, which might contain multiple actions.   |
| isAuthorizedAsAdmin | Boolean   | Indicates whether the Dev Account user is authorized as an admin.  |
| userClaims          | string    | The user claims token.   |

Example:

```
context.apiContext.baseUrl;
```

## configuration

Receives a JSON response that contains information about the configuration data set in the Action Management JSON editor.

| Property | Type   | Description   |
|----------|--------|---|
| Varies   | object | Custom fields and values that you can set in the Action Management JSON Editor. |

Example:

```
context.configuration.customData;
```