Get Products (Before)

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

Action Type	HTTP
Full Action ID	http.commerce.catalog.storefront.products.getProducts.before
Runs multiple custom functions?	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/GetProducts operation.

HTTP Request

GET `pi/commerce/catalog/storefront/products/?filter={filter}&startIndex={startIndex}&pageSize={pageSize}&sortBy={sortBy}&responseFields={responseFields}`

Request Body
No request body content.

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. *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. *Available only for Storefront HTTP actions.
viewName	string	The response viewName value. *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;
```