

Application Behaviors

Behaviors determine which operations an application can perform on the platform after it's installed on a tenant. These are usually read/write and related actions for objects such as products or orders.

You can retrieve the behaviors for any application via API with the [Get Package Behaviors API](#).



As of July 2024, applications must have the appropriate behaviors to access inventory-related APIs in some environments. These are **Inventory Read** (to retrieve inventory data), **Inventory Modify** (to create or update inventory data), and **Inventory Delete** (to explicitly remove inventory data). These are required for all sandbox environments. Existing applications developed before July 2024 do not require these behaviors for production environments, but newer applications do require them.

Best Practices

It's important to keep the following things in mind when registering behaviors with an application:

- Behaviors are designed to protect user security by limiting application access
- Only register behaviors your application needs to access the appropriate objects or APIs
- Registering all possible behaviors for an application may prevent Kibo from approving your application when you submit it for certification
- The behaviors you register with your application are encrypted in the access token used to pass information between your application and the API. If you register or remove behaviors, you must generate a new authorization ticket.
- Whenever you make changes to application behaviors or event subscriptions, you must [re-install](#) the application on your sandbox and [re-enable](#) it in Dev Center in order for the changes to work.

Assign Behaviors

To assign behaviors to applications:

1. Go to **Develop > Applications** in the Dev Center.
2. Click the appropriate application you want to update.
3. Click **Packages**.
4. On the **Behaviors** tab, click **Select Behaviors**.

5. Under **Behavior category**, select the topic that the behavior falls under.
6. Under **Behavior name**, enable the checkboxes for specific behaviors.
7. Click **Save**.

Behavior Reference

All behaviors are associated with a numerical ID. Some are also used by the Kibo Admin. This list defines behaviors that are available to both applications and Admin users:

Behavior ID	Behavior Category	Behavior	Description
305	Audit Log	Audit Log Read	View an audit log
270	B2B Account	B2B Account Create	Create a B2B account
271	B2B Account	B2B Account Update	Delete a B2B account
272	B2B Account	B2B Account Delete	View a B2B account
273	B2B Account	B2B Account Read	Make changes to a B2B account
69	Cart	Cart Read	View a shopper's cart
71	Cart	Cart Update	Make changes to a shopper's cart
72	Cart	Cart Delete	Delete a shopper's cart
170	Channel	Channel Read	View existing channel details
171	Channel	Channel Create	Create new channels
172	Channel	Channel Update	Change existing channel details
173	Channel	Channel Delete	Delete existing channels

Behavior ID	Behavior Category	Behavior	Description
175	Channel	ChannelGroup Read	View existing channel group details
176	Channel	ChannelGroup Create	Create new channel groups
177	Channel	ChannelGroup Update	Change existing channel group details
178	Channel	ChannelGroup Delete	Delete existing channel groups
179	Credit	Credit Read	View existing store credit details
180	Credit	Credit Update	Change existing store credit details
181	Credit	Credit Delete	Delete existing store credit
182	Credit	Credit Create	Create new store credit for customers
247	Currency	Create Currency	Create a new currency
248	Currency	Read Currency	View currency details
249	Currency	Update Currency	Update currency details
250	Currency	Delete Currency	Delete a currency
41	Customer	Customer Read	View existing customer account details
42	Customer	Customer Update	Change existing customer account details
43	Customer	Customer Delete	Delete existing customer accounts
44	Customer	Customer Create	Create new customer accounts

Behavior ID	Behavior Category	Behavior	Description
60	Customer	Purchase Order Read	View purchase order details
61	Customer	Purchase Order Create	Create a new purchase order
62	Customer	Purchase Order Update	Update a purchase order
193	Customer	Stock Notification Read	View stock notification details
194	Customer	Stock Notification Update	Change stock notification details
195	Customer	Stock Notification Delete	Delete stock notifications
196	Customer	Stock Notification Create	Create stock notifications
223	Customer	Customer Password Update	Reset existing customer account passwords
290	Customer	Customer Impersonate	Impersonate a customer
24	Discount	Discount Read	View discount details
25	Discount	Discount Create	Create new discounts
26	Discount	Discount Update	Change discount details

Behavior ID	Behavior Category	Behavior	Description
27	Discount	Discount Delete	Delete existing discounts
106	Extensibility	Extensibility Read	View extension details
107	Extensibility	Extensibility Create	Create extensions
108	Extensibility	Extensibility Update	Update extension details
109	Extensibility	Extensibility Delete	Delete extensions
204	InstalledApplication	Read installed applications	View the installed applications
205	InstalledApplication	Update installed applications	Change installed applications
183	Location	Location Create	Create new locations
184	Location	Location Update	Change existing location details
185	Location	Location Delete	Delete existing locations
186	Location	Location Read	View existing location details
73	Order	Order Read	View the details of an order
74	Order	Order Create	Create a new order
75	Order	Order Update - All	Update all order elements (includes Order Update - Items, Pricing, Discounts, Attributes, and Manual Adjustments)

Behavior ID	Behavior Category	Behavior	Description
76	Order	Order Delete	Delete an existing order
77	Order	Order Fulfill	Fulfill an order
78	Order	Order Cancel	Cancel an order
79	Order	Order Apply Payment	Apply a payment to an order
187	Order	Order Ship	Ship an order
242	Order	Order Update - Items	Change only the details of order items and their quantities in addition to accept and cancel orders, resend order emails, edit internal notes on the order, and print order templates
243	Order	Order Update - Pricing	Change only the pricing information related to an order in addition to accept and cancel orders, resend order emails, edit internal notes on the order, and print order templates
244	Order	Order Update - Discounts	Change only the discount information of an order in addition to accept and cancel orders, resend order emails, edit internal notes on the order, and print order templates
245	Order	Order Update - Attributes	Change only the attributes on an order in addition to accept and cancel orders, resend order emails, edit internal notes on the order, and print order templates

Behavior ID	Behavior Category	Behavior	Description
246	Order	Order Update - Manual Adjustments	Change only the order subtotal and the shipping cost of an order in addition to accept and cancel orders, resend order emails, edit internal notes on the order, and print order templates
251	Order	Order Routing	Access order routing
292	Order	Override Order Update Restriction	If an order has been set to restrict editing or cancellation, this behavior will override those flags and allow the user to edit and cancel the order
65	Payment	Payment Read	View the payment details for an order
66	Payment	Payment Create	Create a payment for an order
67	Payment	Payment Update	Change the payment details for an order
68	Payment	Payment Delete	Delete a payment for an order
105	Payment	Read Payment Settings	View the payment settings
297	Payment	Installment Item Manage	Update a payment installment
298	Payment	Installment Item Read	View payment installments
299	Payment	Recycling Item Manage	Update a recycling payment
300	Payment	Recycling Item Read	View recycling payments
238	Price List	Create Price List	Create a new price list

Behavior ID	Behavior Category	Behavior	Description
239	Price List	Read Price List	View an existing price list
240	Price List	Update Price List	Change price list details
241	Price List	Delete Price List	Delete a price list
1	Product	Product Create	Create new products
2	Product	Product Update	Change product details
3	Product	Product Delete	Delete products
4	Product	Product Read	View product details
9	Product	Publish Product Changes	Discard or publish staged changes to products
16	Product	Product Category Read	View product category details
17	Product	Product Category Create	Create new product categories
18	Product	Product Category Delete	Delete product categories
19	Product	Product Category Update	Change product category details

Behavior ID	Behavior Category	Behavior	Description
167	Product	Change Product Publishing Mode	Change the publishing mode for product changes in the Publishing module
208	Product	Delete Inventory	Delete inventory
209	Product	Modify Inventory	Change inventory details
210	Product	Read Inventory	View inventory details
220	Product	Product Code Change	Change product codes
291	Product	Product Type Change	Change product types
229	Publish Sets	Create Publish Set Definition	Create new publish sets
230	Publish Sets	Read Publish Set Definition	View existing publish sets
231	Publish Sets	Update Publish Set Definition	Change existing publish sets
232	Publish Sets	Delete Publish Set Definition	Delete publish sets
233	Publish Sets	Publish Publish Set Definition	Publish existing publish sets
274	Quote	Quote Create	Create a B2B quote
275	Quote	Quote Update	Update a B2B quote
276	Quote	Quote Delete	Delete a B2B quote

Behavior ID	Behavior Category	Behavior	Description
277	Quote	Quote Read	View B2B quotes
234	Search	Create Product Ranking Definition	Create new product ranking rules
235	Search	Read Product Ranking Definition	View existing product ranking rules
236	Search	Update Product Ranking Definition	Change existing product ranking rules
237	Search	Delete Product Ranking Definition	Delete product ranking rules
254	Search	Search Configuration Create	Create a new search configuration
255	Search	Search Configuration Read	View search configuration details
256	Search	Search Configuration Update	Change search configuration details
257	Search	Search Configuration Delete	Delete a search configuration

Behavior ID	Behavior Category	Behavior	Description
258	Search	Search Campaign Create	Create a new search campaign
259	Search	Search Campaign Read	View search campaigns
260	Search	Search Campaign Update	Change search campaign details
261	Search	Search Campaign Delete	Delete a search campaign
262	Search	Search Schema Definition Create	Create a search schema definition
263	Search	Search Schema Definition Read	View search schema definitions
264	Search	Search Schema Definition Update	Change search schema definition details
265	Search	Search Schema Definition Delete	Delete a search schema definition

Behavior ID	Behavior Category	Behavior	Description
266	Search	Search Redirects Create	Create a new search redirect
267	Search	Search Redirects Read	View search redirects
268	Search	Search Redirects Update	Change search redirect details
269	Search	Search Redirects Delete	Delete a search redirect
282	Search	Search Synonym Create	Create a new search synonym
283	Search	Search Synonym Read	View search synonyms
284	Search	Search Synonym Update	Change search synonym details
285	Search	Search Synonym Delete	Delete a search synonym
286	Search	Search Merchandizing Rule Create	Create a new search merchandizing rule
287	Search	Search Merchandizing Rule Read	View search merchandizing rules

Behavior ID	Behavior Category	Behavior	Description
288	Search	Search Merchandizing Rule Update	Change search merchandizing rule details
289	Search	Search Merchandizing Rule Delete	Delete a search merchandizing rule
293	Search	Search Facets Create	Create a new search facet
294	Search	Search Facets Read	View search facets
295	Search	Search Facets Update	Change search facet details
296	Search	Search Facets Delete	Delete a search facet
225	SettingsCustomRoutes	Create CustomRoutes Definition	Create new custom routes
226	SettingsCustomRoutes	Read CustomRoutes Definition	View existing custom routes
227	SettingsCustomRoutes	Update CustomRoutes Definition	Change existing custom routes
228	SettingsCustomRoutes	Delete CustomRoutes Definition	Delete custom routes
49	SettingsGeneral	General Settings Read	View the general settings for your sites

Behavior ID	Behavior Category	Behavior	Description
51	SettingsGeneral	General Settings Update	Change the general settings for your sites
57	SettingsOrder	Order Settings Read	View existing order settings
59	SettingsOrder	Order Settings Update	Change existing order settings
118	SettingsPlatformAppDev	Application Status Enable	Enable applications for the tenant
53	SettingsShipping	Shipping Settings Read	View existing shipping settings
54	SettingsShipping	Shipping Settings Create	Create new shipping settings
55	SettingsShipping	Shipping Settings Update	Change existing shipping settings
56	SettingsShipping	Shipping Settings Delete	Delete existing shipping settings
8	Site	Publish Content Changes	Discard or publish staged changes to site content
11	Site	Site Create Content	Create new content in the Content Editor module
12	Site	Site Update Content	Change content in the Content Editor module
13	Site	Site Delete Content	Delete content in the Content Editor module

Behavior ID	Behavior Category	Behavior	Description
120	Site	Site Read Content	View content in the Content Editor module
121	Site	Site Read Document List	View document lists
122	Site	Site Create Document List	Create new document lists
123	Site	Site Update Document List	Change document lists
124	Site	Site Delete Document List	Delete document lists
160	Site	Validate an address	Enable address validation in General Settings
165	Site	Preview changes before they're published	View/preview the site's staging version
166	Site	Change Content Publishing Mode	Change the publishing mode for content changes in the Publishing module
222	Site	View live content	View the site's live version
45	Tenant	Tenant Read	View tenant details
224	Tenant	Log Read Behavior	Log read behavior
28	User	Admin User Read	View existing Admin user details
29	User	Admin User Create	Create new Admin users

Behavior ID	Behavior Category	Behavior	Description
30	User	Admin User Update	Change existing Admin user details
33	User	Shopper User Read	View shopper account details
34	User	Shopper User Create	Create shopper accounts
35	User	Shopper User Update	Change shopper account details
36	User	Shopper User Delete	Delete shopper accounts
37	User	User Role Read	View existing Admin role details
161	Wishlist	Wishlist Read	View customer wishlists
162	Wishlist	Wishlist Create	Create new customer wishlists
163	Wishlist	Wishlist Update	Change customer wishlists
164	Wishlist	Wishlist Delete	Delete customer wishlists

These additional behaviors are only available to applications and developer resources:

Behavior ID	Behavior Category	Behavior	Description
89	Developer Account	Developer Account Read	View developer accounts
90	Developer Account Asset	Developer Asset Read	View developer assets
91	Developer Account Asset	Developer Asset Create	Create a new developer asset

Behavior ID	Behavior Category	Behavior	Description
92	Developer Account Asset	Developer Asset Update	Change a developer asset
93	Developer Account Asset	Developer Asset Delete	Delete a developer asset
216	MZDB	Create EntityList Definition	Create a new entity list definition
217	MZDB	Update EntityList Definition	Update an entity list definition
218	MZDB	Delete EntityListDefinition	Delete an entity list definition
114	SettingsPlatformAppDev	Application Status Read	View application statuses
115	SettingsPlatformAppDev	Application Status Update	Change an application's status
116	SettingsPlatformAppDev	Application Status Create	Create an application status
117	SettingsPlatformAppDev	Application Status Delete	Delete an application status