

FBA Inventory API User Guide

Contents

What is the FBA Inventory API?	1
How to use the FBA Inventory API	1
Tutorial: Get all available inventory summaries with all available detail	2
Get all available inventory summaries with full details.	2
Tutorial: Get all available inventory summaries that have changed	5
Get all available inventory summaries that have changed.....	5
Tutorial: Get inventory summaries for the specified seller SKUs	7
Get inventory summaries with additional details for the specified Seller SKUs.....	7
Appendix A: getInventorySummaries Operation Parameters (Complete List).....	11

What is the FBA Inventory API?

The FBA Inventory API lets you track the real-time availability of your inventory in Amazon's fulfillment network at the marketplace level. You can get details such as listing condition and inventory quantities such as *fulfillable*, *inbound*, *reserved*, *unfulfillable*, and *researching*. This API is available only in the US, MX, and CA Marketplaces.

How to use the FBA Inventory API

The **getInventorySummaries** operation returns a list of inventory summaries. The summaries returned depend on the presence or absence of the **startDateTime** and **sellerSkus** query parameters:

1. All inventory summaries with all available detail are returned when the **startDateTime** and **sellerSkus** parameters are omitted.
2. When **startDateTime** is provided, the operation returns inventory summaries that have changed after the date and time specified. The **sellerSkus** parameter is ignored.
3. When the **sellerSkus** parameter is provided, the operation returns inventory summaries for only the specified **sellerSkus**.

Tutorial: Get all available inventory summaries with all available detail

This tutorial shows you how to use the FBA Inventory API to return all the available inventory summaries with full details. This corresponds to number 1 in [How to use the FBA Inventory API](#).

Prerequisites

To complete this tutorial you will need:

1. Authorization. See [Selling Partner API Beta Developer Guide](#) for more information.
2. The marketplace ID for the marketplace for which to return inventory summaries.

Get all available inventory summaries with full details.

To return all available inventory summaries with full details, call the **getInventorySummaries** operation of the FBA Inventory API, passing the following query parameters:

Parameter	Description	Required
details	Set to <i>true</i> to return inventory summaries with additional summarized inventory details and quantities. Otherwise, returns inventory summaries only (default value).	Yes. Must be set to <i>true</i> .
granularityType	The granularity type for the inventory aggregation level. Possible values: <i>Marketplace</i> .	Yes
granularityId	The granularity ID for the specified granularity type. When granularityType is <i>Marketplace</i> , specify the marketplaceId.	Yes
marketplaceIds	The marketplace ID for the marketplace for which to return inventory summaries. Only one marketplace ID is allowed.	Yes

Request example:

```
GET https://sellingpartnerapi-na.amazon.com/
fba/inventory/v1/summaries?details=true&granularityType=Marketplace&gr
anularityId=ATVPDKIKX0DER&marketplaceIds=ATVPDKIKX0DER
```

A successful response includes the following in the payload for each **sellerSku**:

Name	Description
sellerSku	The seller stock keeping unit (SKU) of the item.
fnSku	Amazon's fulfillment network SKU identifier. Fulfillment network stock keeping units (FNSKUs) are unique identifiers assigned by Amazon to products stored in and fulfilled from Amazon fulfillment centers.
asin	The Amazon Standard Identification Number (ASIN) of an item. You can find the ASIN on the product detail page.
productName	The localized language product title of the item within the specified marketplace.
lastUpdatedTime	The date and time that any quantity was last updated.

Name	Description
totalQuantity	The total number of units in an inbound shipment or in Amazon fulfillment centers.
fulfillableQuantity	The item quantity that can be picked, packed, and shipped.
inboundWorkingQuantity	The number of units in an inbound shipment for which you have notified Amazon.
inboundShippedQuantity	The number of units in an inbound shipment that you have notified Amazon about and have provided a tracking number.
inboundReceivingQuantity	The number of units that have not yet been received at an Amazon fulfillment center for processing, but are part of an inbound shipment with some units that have already been received and processed.
totalReservedQuantity	The total number of units in Amazon's fulfillment network that are currently being picked, packed, and shipped; or are sidelined for measurement, sampling, or other internal processes.
pendingCustomerOrderQuantity	The number of units reserved for customer orders.
pendingTransshipmentQuantity	The number of units being transferred from one fulfillment center to another.
fcProcessingQuantity	The number of units that have been sidelined at the fulfillment center for additional processing.
totalUnfulfillableQuantity	The total number of units in Amazon's fulfillment network in unsellable condition.
customerDamagedQuantity	The number of units in customer damaged disposition.
warehouseDamagedQuantity	The number of units in warehouse damaged disposition.
distributorDamagedQuantity	The number of units in distributor damaged disposition.
carrierDamagedQuantity	The number of units in carrier damaged disposition.
defectiveQuantity	The number of units in defective disposition.
expiredQuantity	The number of units in expired disposition.
totalResearchingQuantity	The total number of units currently being researched in Amazon's fulfillment network.
researchingQuantityBreakdown	A list of quantity details for items currently being researched that includes <i>researchingQuantityInShortTerm</i> (1-10 days), <i>researchingQuantityInMidTerm</i> (11-20 days), <i>researchingQuantityInLongTerm</i> (21 days or longer).

46

47 Response example:

```

48 {
49   "pagination":
50     {
51       "nextToken": "seed"
52     },
53   "payload":
54     {
55       "granularity":
56         {

```

```

57     "granularityType": "Marketplace",
58     "granularityId": "ATVPDKIKX0DER"
59 },
60 "inventorySummaries": [
61     {
62         "asin": "B00T9QONN1",
63         "fnSku": "B00T9QONN1",
64         "sellerSku": "msku314best",
65         "condition": "NewItem",
66         "inventoryDetails":
67         {
68             "fulfillableQuantity": 66,
69             "inboundWorkingQuantity": 21,
70             "inboundShippedQuantity": 0,
71             "inboundReceivingQuantity": 0,
72             "reservedQuantity":
73             {
74                 "totalReservedQuantity": 0,
75                 "pendingCustomerOrderQuantity": 0,
76                 "pendingTransshipmentQuantity": 0,
77                 "fcProcessingQuantity": 0
78             },
79             "researchingQuantity":
80             {
81                 "totalResearchingQuantity": 0,
82                 "researchingQuantityBreakdown": [
83                     {
84                         "name": "researchingQuantityInShortTerm",
85                         "quantity": 0
86                     },
87                     {
88                         "name": "researchingQuantityInMidTerm",
89                         "quantity": 0
90                     },
91                     {
92                         "name": "researchingQuantityInLongTerm",
93                         "quantity": 0
94                     }
95                 ]
96             },
97             "unfulfillableQuantity":
98             {
99                 "totalUnfulfillableQuantity": 0,
100                 "customerDamagedQuantity": 0,
101                 "warehouseDamagedQuantity": 0,
102                 "distributorDamagedQuantity": 0,
103                 "carrierDamagedQuantity": 0,
104                 "defectiveQuantity": 0,
105                 "expiredQuantity": 0
106             }
107         },
108         "lastUpdatedTime": "2018-03-31T23: 40: 39Z",
109         "productName": "CalciumPower",
110         "totalQuantity": 87
111     }
112 ]
113 }
114 }
```

Tutorial: Get all available inventory summaries that have changed

This tutorial shows you how to use the FBA Inventory API to return all the available inventory summaries that have changed since the specified start date and time. This corresponds to number 2 in [How to use the FBA Inventory API](#).

Prerequisites

To complete this tutorial you will need:

1. Authorization. See [Selling Partner API Beta Developer Guide](#) for more information.
2. The marketplace ID for the marketplace for which to return inventory summaries.
3. The start date and time to use as the basis for returning inventory summaries that have changed.

Get all available inventory summaries that have changed

To return all available inventory summaries that have changed, call the **getInventorySummaries** operation of the FBA Inventory API, passing the following query parameters:

Parameter	Description	Required
details	Set to <i>true</i> to return inventory summaries with additional summarized inventory details and quantities. Otherwise, returns inventory summaries only (default value).	No
granularityType	The granularity type for the inventory aggregation level. Possible values: <i>Marketplace</i> .	Yes
granularityId	The granularity ID for the specified granularity type. When <i>granularityType</i> is <i>Marketplace</i> , specify the marketplaceId .	Yes
startDateTime	A start date and time in ISO8601 format. If specified, all inventory summaries that have changed since then are returned. You must specify a date and time that is no earlier than 18 months prior to the date and time when you call the API. Note: Changes in <i>inboundWorkingQuantity</i> , <i>inboundShippedQuantity</i> and <i>inboundReceivingQuantity</i> are not detected.	Yes
marketplaceIds	The marketplace ID for the marketplace for which to return inventory summaries. Only one marketplace ID is allowed.	Yes

Request example:

```
GET https://sellingpartnerapi-na.amazon.com/fba/inventory/v1/summaries?granularityType=Marketplace&granularityId=ATVPDKIKX0DER&startDateTime=2018-03-27T23:40:39Z&marketplaceIds=ATVPDKIKX0DER
```

A successful response includes the following in the payload for each **sellerSku**. Note that because in the Request example the **detail** parameter was not specified and defaults to false, additional summarized inventory details and quantities are not returned.

Name	Description
sellerSku	The seller stock keeping unit (SKU) of the item.
fnSku	Amazon's fulfillment network SKU identifier. Fulfillment network stock keeping units (FNSKUs) are unique identifiers assigned by Amazon to products stored in and fulfilled from Amazon fulfillment centers.
asin	The Amazon Standard Identification Number (ASIN) of an item. You can find the ASIN on the product detail page.
productName	The localized language product title of the item within the specified marketplace.
lastUpdatedTime	The date and time that any quantity was last updated.
totalQuantity	The total number of units in an inbound shipment or in Amazon fulfillment centers.

139

140 Response example:

```

141 {
142   "pagination":
143   {
144     "nextToken": "seed"
145   },
146   "payload":
147   {
148     "granularity":
149     {
150       "granularityType": "Marketplace",
151       "granularityId": "ATVPDKIKX0DER"
152     },
153     "inventorySummaries": [
154       {
155         "asin": "B00T9QONN1",
156         "fnSku": "B00T9QONN1",
157         "sellerSku": "msku314best",
158         "condition": "NewItem",
159         "lastUpdatedTime": "2018-03-31T23: 40: 39Z",
160         "productName": "CalciumPower",
161         "totalQuantity": 87
162       }
163     ]
164   }
165 }
```

166

167

Tutorial: Get inventory summaries for the specified seller SKUs

This tutorial shows you how to use the FBA Inventory API to return inventory summaries for one or more (up to 50) specified sellerSkus. This corresponds to number 3 in [How to use the FBA Inventory API](#).

Prerequisites

To complete this tutorial you will need:

1. Authorization. See [Selling Partner API Beta Developer Guide](#) for more information.
2. The marketplace ID for the marketplace for which to return inventory summaries.
3. A list of up to fifty **sellerSkus** for which to return inventory summaries.

Get inventory summaries with additional details for the specified Seller SKUs.

To return inventory summaries with full details for the specified SKUs, call the **getInventorySummaries** operation of the FBA Inventory API, passing the following query parameters:

Parameter	Description	Required
details	Set to <i>true</i> to return inventory summaries with additional summarized inventory details and quantities. Otherwise, returns inventory summaries only (default value).	Yes. Must be set to <i>true</i> .
granularityType	The granularity type for the inventory aggregation level. Possible values: <i>Marketplace</i> .	Yes
granularityId	The granularity ID for the specified granularity type. When <i>granularityType</i> is <i>Marketplace</i> , specify the marketplaceId .	Yes
sellerSkus	A list of seller SKUs for which to return inventory summaries. You may specify up to 50 SKUs.	Yes
marketplaceIds	The marketplace ID for the marketplace for which to return inventory summaries. Only one marketplace ID is allowed.	Yes

Request example:

```
GET https://sellingpartnerapi-na.amazon.com/fba/inventory/v1/summaries?details=true&granularityType=Marketplace&granularityId=ATVPDKIKX0DER&sellerSkus=m sku314best%2Cmsku271good&marketplaceIds=ATVPDKIKX0DER
```

A successful response includes the following in the payload for each of the specified **sellerSkus**:

Name	Description
sellerSku	The seller stock keeping unit (SKU) of the item.
fnSku	Amazon's fulfillment network SKU identifier. Fulfillment network stock keeping units (FNSKUs) are unique identifiers assigned by Amazon to products stored in and fulfilled from Amazon fulfillment centers.

Name	Description
asin	The Amazon Standard Identification Number (ASIN) of an item. You can find the ASIN on the product detail page.
productName	The localized language product title within the specified marketplace.
lastUpdatedTime	The date and time that any quantity was last updated.
totalQuantity	The total number of units in an inbound shipment or in Amazon fulfillment centers.
fulfillableQuantity	The item quantity that can be picked, packed, and shipped.
inboundWorkingQuantity	The number of units in an inbound shipment for which you have notified Amazon.
inboundShippedQuantity	The number of units in an inbound shipment that you have notified Amazon about and have provided a tracking number.
inboundReceivingQuantity	The number of units that have not yet been received at an Amazon fulfillment center for processing, but are part of an inbound shipment with some units that have already been received and processed.
totalReservedQuantity	The total number of units in Amazon fulfillment centers that are currently being picked, packed, and shipped; or are sidelined for measurement, sampling, or other internal processes.
pendingCustomerOrderQuantity	The number of units reserved for customer orders.
pendingTransshipmentQuantity	The number of units being transferred from one fulfillment center to another.
fcProcessingQuantity	The number of units that have been sidelined at the fulfillment center for additional processing.
totalUnfulfillableQuantity	The total number of units in Amazon's fulfillment network in unsellable condition.
customerDamagedQuantity	The number of units in customer damaged disposition.
warehouseDamagedQuantity	The number of units in warehouse damaged disposition.
distributorDamagedQuantity	The number of units in distributor damaged disposition.
carrierDamagedQuantity	The number of units in carrier damaged disposition.
defectiveQuantity	The number of units in defective disposition.
expiredQuantity	The number of units in expired disposition.
totalResearchingQuantity	The total number of units currently being researched in Amazon's fulfillment network.
researchingQuantityBreakdown	A list of quantity details for items currently being researched that includes <i>researchingQuantityInShortTerm</i> (1-10 days), <i>researchingQuantityInMidTerm</i> (11-20 days), <i>researchingQuantityInLongTerm</i> (21 days or longer).

188

189 Response example:

190

```
191 {
192   "pagination":
```



```

193 {
194     "nextToken": "seed"
195 },
196 "payload":
197 {
198     "granularity":
199     {
200         "granularityType": "Marketplace",
201         "granularityId": "ATVPDKIKX0DER"
202     },
203     "inventorySummaries": [
204     {
205         "asin": "B00T9QONN1",
206         "fnSku": "B00T9QONN1",
207         "sellerSku": "msku314best",
208         "condition": "NewItem",
209         "inventoryDetails":
210         {
211             "fulfillableQuantity": 66,
212             "inboundWorkingQuantity": 21,
213             "inboundShippedQuantity": 0,
214             "inboundReceivingQuantity": 0,
215             "reservedQuantity":
216             {
217                 "totalReservedQuantity": 0,
218                 "pendingCustomerOrderQuantity": 0,
219                 "pendingTransshipmentQuantity": 0,
220                 "fcProcessingQuantity": 0
221             },
222             "researchingQuantity":
223             {
224                 "totalResearchingQuantity": 0,
225                 "researchingQuantityBreakdown": [
226                 {
227                     "name": "researchingQuantityInShortTerm",
228                     "quantity": 0
229                 },
230                 {
231                     "name": "researchingQuantityInMidTerm",
232                     "quantity": 0
233                 },
234                 {
235                     "name": "researchingQuantityInLongTerm",
236                     "quantity": 0
237                 }
238                 ]
239             },
240             "unfulfillableQuantity":
241             {
242                 "totalUnfulfillableQuantity": 0,
243                 "customerDamagedQuantity": 0,
244                 "warehouseDamagedQuantity": 0,
245                 "distributorDamagedQuantity": 0,
246                 "carrierDamagedQuantity": 0,
247                 "defectiveQuantity": 0,
248                 "expiredQuantity": 0
249             }
250         },
251         "lastUpdatedTime": "2018-03-31T23: 40: 39Z",

```

```

252     "productName": "CalciumPower",
253     "totalQuantity": 87
254 },
255 {
256     "asin": "B00T9QONN2",
257     "fnSku": "B00T9QONN2",
258     "sellerSku": "msku271good",
259     "condition": "NewItem",
260     "inventoryDetails":
261     {
262         "fulfillableQuantity": 6,
263         "inboundWorkingQuantity": 2,
264         "inboundShippedQuantity": 0,
265         "inboundReceivingQuantity": 0,
266         "reservedQuantity":
267         {
268             "totalReservedQuantity": 0,
269             "pendingCustomerOrderQuantity": 0,
270             "pendingTransshipmentQuantity": 0,
271             "fcProcessingQuantity": 0
272         },
273         "researchingQuantity":
274         {
275             "totalResearchingQuantity": 0,
276             "researchingQuantityBreakdown": [
277                 {
278                     "name": "researchingQuantityInShortTerm",
279                     "quantity": 0
280                 },
281                 {
282                     "name": "researchingQuantityInMidTerm",
283                     "quantity": 0
284                 },
285                 {
286                     "name": "researchingQuantityInLongTerm",
287                     "quantity": 0
288                 }
289             ]
290         },
291         "unfulfillableQuantity":
292         {
293             "totalUnfulfillableQuantity": 0,
294             "customerDamagedQuantity": 0,
295             "warehouseDamagedQuantity": 0,
296             "distributorDamagedQuantity": 0,
297             "carrierDamagedQuantity": 0,
298             "defectiveQuantity": 0,
299             "expiredQuantity": 0
300         }
301     },
302     "lastUpdatedTime": "2018-04-01T23: 40: 39Z",
303     "productName": "CalciumPower",
304     "totalQuantity": 8
305 }
306 ]
307 }
308 }
309

```

Appendix A: getInventorySummaries Operation Parameters (Complete List)

Parameter	Description	Required
details	Set to <i>true</i> to return inventory summaries with additional summarized inventory details and quantities. Otherwise, returns inventory summaries only (default value).	No
granularityType	The granularity type for the inventory aggregation level. Possible values: <i>Marketplace</i> .	Yes
granularityId	The granularity ID for the specified granularity type. When <i>granularityType</i> is <i>Marketplace</i> , specify the <i>marketplaceId</i> .	Yes
startDateTime	A start date and time in ISO8601 format. If specified, all inventory summaries that have changed since then are returned. You must specify a date and time that is no earlier than 18 months prior to the date and time when you call the API. Note: Changes in <i>inboundWorkingQuantity</i> , <i>inboundShippedQuantity</i> and <i>inboundReceivingQuantity</i> are not detected.	No
sellerSkus	A list of seller SKUs for which to return inventory summaries. You may specify up to 50 SKUs.	No, if startDateTime is specified, sellerSkus will be ignored.
nextToken	String token returned in the response to your previous request.	No
marketplaceIds	The marketplace ID for the marketplace for which to return inventory summaries. Only one marketplace ID is allowed.	Yes