## Introduction

This guide will teach you how to restrict product quantity to pre-designated amounts. This may apply to sellers who package products in specific quantities. Sellers are able to create as few or as many quantity restrictions as they desire; for example, you may want to limit the number of business cards a user can purchase to sets of 100, 250, or 500.

![ListVariants](assets/images/docs-guides/use-case-guides/Restricted\_Quantity\_Input.gif)

<div class="note">The Price Schedule is the relationship between a product and the party (user, user group, or buyer) via a product assignment, therefore you will first need to define a product.</div>

This example features Price Breaks based on the quantity of business cards ordered. If you are interested in learning more about Price Breaks, refer to the [Create Price Breaks](<https://documentation.ordercloud.io/guides/use-case-guides/product-catalog-management/create-price-breaks>) guide.

## Prerequisites

* [Create and Assign Users and User Groups](https://documentation.ordercloud.io/use-case-guides/buyer-and-seller-organization-management/create-and-assign-users-and-user-groups)

## 1. Create A Product

<div class="api-reference">API Reference: [Create New Product](<https://documentation.ordercloud.io/api-reference#Products_Create>)</div>

```

POST https://api.ordercloud.io/v1/products HTTP/1.1

Authentication: Bearer put\_access\_token\_here

Content-Type: application/json

{

"ID": "business-card-ID”,

"Name": "Business Cards",

"Description": “”,

"QuantityMultiplier”: 1,

"ShipWeight": null,

"ShipHeight": null,

"ShipWidth": null,

"ShipLength": null,

"Active": true,

"Type": "Static",

"InventoryEnabled": false,

"InventoryNotificationPoint": null,

"VariantLevelInventory": false,

"xp": null,

"AllowOrderExceedInventory": false,

"InventoryVisible": false,

}

```

## 2. Create A Price Schedule

Next, we assign a Price Schedule to the product. In order to achieve a Restricted Quantity, we must declare `"RestrictedQuantity": true`. This enables the restriction of whichever quantities we specify.

<div class="api-reference">API Reference: [Create Price Schedule](<https://documentation.ordercloud.io/api-reference#PriceSchedules_Create>)</div>

```

POST https://api.ordercloud.io/v1/priceschedules HTTP/1.1

Authentication: Bearer put\_access\_token\_here

Content-Type: application/json

{

"ID": "business-card-restricted-ID",

"Name": "Business Card Restricted",

"MaxQuantity": null,

"UseCumulativeQuantity": false,

"RestrictedQuantity": true,

"OrderType": "Standard",

"PriceBreaks": [

{

"Quantity": 100,

"Price": 1

},

{

"Quantity": 250,

"Price": .9

},

{

"Quantity": 500,

"Price": .81

}

],

"xp": null

}

```

<div class="note">We added three unique `PriceBreaks`, however you can add as many as you desire. The `Price` for each `Quantity` is the per unit price of the product. When we set `RestrictedQuantity` to `true`, the user must select only from the quantities specified.</div>

## 3. Create Assignment Between Party, Product, and Price Schedule

This final assignment will assign the Price Schedule to a specific party. In our example, we are assigning this product to a user group (read [Create a User in a Buyer Organization]([https://documentation.ordercloud.io/use-case-guides/buyer-and-seller-organization-management/create-a-user-in-a-buye](https://documentation.ordercloud.io/guides/base-use-cases/create-a-user-in-a-buyer-organization)

[r-organization](https://documentation.ordercloud.io/guides/base-use-cases/create-a-user-in-a-buyer-organization))).

![ListVariants](/assets/images/docs-guides/use-case-guides/restricted\_quantity\_PPP.jpg)

<div class="api-reference">API Reference: [Save Assignment](https://documentation.ordercloud.io/api-reference#Products\_SaveAssignment)</div>

```

POST https://api.ordercloud.io/v1/product/assignements HTTP/1.1

Authentication: Bearer put\_access\_token\_here

Content-Type: application/json

{

"ProductID": "business-card-ID",

"PriceScheduleID": "business-card-restricted-ID",

"BuyerID": "ordercloudio",

"UserGroupID": "business-card-group"

}

```

## Conclusion

You should now be able to create products with a restricted quantity as well as understand the relationship between a product, party, and price schedule.