

Creating an n-Matrix Overview

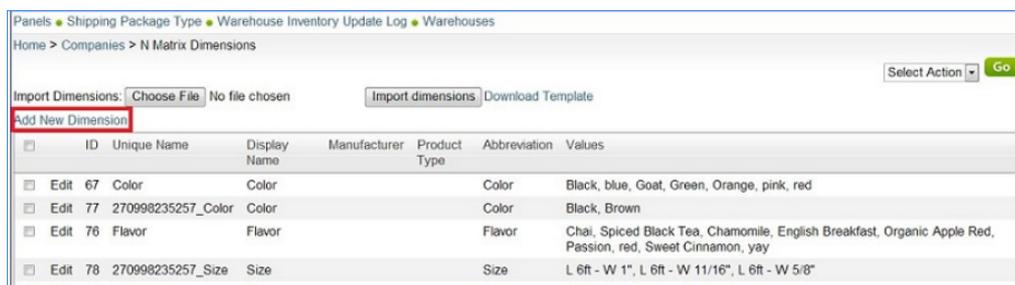
Check out how to create product variations in SellerCloud's **Delta** interface!

The following instructions are for SellerCloud's original interface.

See how to create a variation listing, known as an "n-Matrix" in SellerCloud's original interface:

Prerequisite: Select [Enable Product n-Matrix](https://files.helpdocs.io/Rfw6fNxlzH/articles/QmKPte7wWv/1545157017793/enable-n-matrix-client-setti.png) (<https://files.helpdocs.io/Rfw6fNxlzH/articles/QmKPte7wWv/1545157017793/enable-n-matrix-client-setti.png>) in the Client Settings.

- 1 Click Settings > **N Matrix**.
- 2 Click **Add New Dimension**.



<input type="checkbox"/>	ID	Unique Name	Display Name	Manufacturer	Product Type	Abbreviation	Values
<input type="checkbox"/>	Edit 67	Color	Color			Color	Black, blue, Goat, Green, Orange, pink, red
<input type="checkbox"/>	Edit 77	270998235257_Color	Color			Color	Black, Brown
<input type="checkbox"/>	Edit 76	Flavor	Flavor			Flavor	Chai, Spiced Black Tea, Chamomile, English Breakfast, Organic Apple Red, Passion, red, Sweet Cinnamon, yay
<input type="checkbox"/>	Edit 78	270998235257_Size	Size			Size	L 6ft - W 1", L 6ft - W 11/16", L 6ft - W 5/8"

(<https://files.helpdocs.io/Rfw6fNxlzH/articles/QmKPte7wWv/1545157475134/n-matrix-add-new-dimensio.png>)

- 3 Complete and save the following fields:

- **Unique Name** - Name of a particular dimension to be associated with the intended products
- **Display Name** - Name as it appears on the channel

- **Abbreviation** - An abbreviated form
- **Manufacturer** - For reference (not required)
- **Product Type** - For reference (not required)

Home > Companies > N Matrix Dimensions > New Dimension

Unique Name:

Display Name:

Abbreviation:

Manufacturer:

Product Type:

- 4 Click **Manage Values** to edit values (such as colors, sizes, flavors, etc.).

Home > Companies > N Matrix Dimensions > Dimension: Tea Flavors > Values

Dimension Name: Tea Flavors

Dimension Abbreviation: Tea

Value:

Abbreviation:

Existing Values

<input type="checkbox"/>	ID	Name	Abbreviation
<input type="checkbox"/>	Edit 666	Black Tea	BT
<input type="checkbox"/>	Edit 665	Green Tea	GT

- 5 Add a new product to your catalog with a name that reflects that it is a parent product of the variations. (In this example, "MatrixParent," as shown below in Step #7.)
- 6 On the parent product's Product Summary, click Toolbox > N-Matrix > **Matrix General**.
- 7 Choose the dimensions to add to this product (if necessary, add a new dimension) > **Continue** (at bottom of page).

Home > Search > Manage Inventory > MATRIXPARENT > Product N Matrix > Configure

Product Name: Taylors of Harrogate, Yorkshire Gold Tea, 160-Count Tea Bags

Please pick the dimensions you want to use for creating matrix for this product.

New Dimension:

<input type="checkbox"/>	ID	Name	Manufacturer	Product Type	Abbreviation	Values
<input type="checkbox"/>	67	Color			Color	Black, blue, Goat, Green, Orange, p
<input type="checkbox"/>	77	Color			Color	Black, Brown
<input type="checkbox"/>	76	Flavor			Flavor	Chai, Spiced Black Tea, Chamomil
<input type="checkbox"/>	78	Size			Size	L 6ft - W 1", L 6ft - W 11/16", L 6ft -
<input type="checkbox"/>	68	Size			Size	1, 2, 3, 4, Large, Small
<input type="checkbox"/>	64	Sizes			SZ	Extra Large, Large/Grande, Medium
<input type="checkbox"/>	82	Tea Flavors			Tea	Black Tea, Green Tea
<input type="checkbox"/>	66	Teammate Name			TMN	CANO-24, ICHIRO-31, JETER-2

- 8 Copy and paste a product SKU into its corresponding Product ID to build it on a parent and child scheme.
- 9 Learn how to [set images \(https://help.sellercloud.com/article/7XKl26bM3L-matrix-images\)](https://help.sellercloud.com/article/7XKl26bM3L-matrix-images) on variations.

Home > Search > Manage Inventory > MATRIXPARENT > Product N Matrix

Product Name: Taylors of Harrogate, Yorkshire Gold Tea, 160-Count Tea Bags

Display all combinations

<input type="checkbox"/>	ProductID	Tea Flavors	Inventory
<input type="checkbox"/>	<input type="text" value="MATRIXCHILD1"/>	Black Tea	<input type="text"/>
<input type="checkbox"/>	<input type="text" value="MATRIXCHILD2"/>	Green Tea	<input type="text"/>

<https://files.helpdocs.io/Rfw6fNxlzH/other/1566832325524/n-matrix-parent-and-child.png>

When creating an n-matrix listing, the parent inventory always stays at 0 and the children retain the inventory. This is because the parent is not a real product, as shown below.

Site Price	WholeSale Price	Agg Avail Qty	Ph. Agg Qty	Non sellable Qty	Reserved Qty	Ph. Sellable Agg. Qty
\$8.99	\$0.00	0	0	0	0	0
\$10.99	\$0.00	20	20	0	0	20
\$9.99	\$0.00	20	20	0	0	20
\$8.99	\$0.00	20	20	0	0	20

Creating an n-Matrix in bulk

You can create variation dimensions for an N-Matrix in bulk by downloading an Excel template with pre-defined column headers, and then populating the file and importing it:

- 1 Click Settings > **N Matrix**.

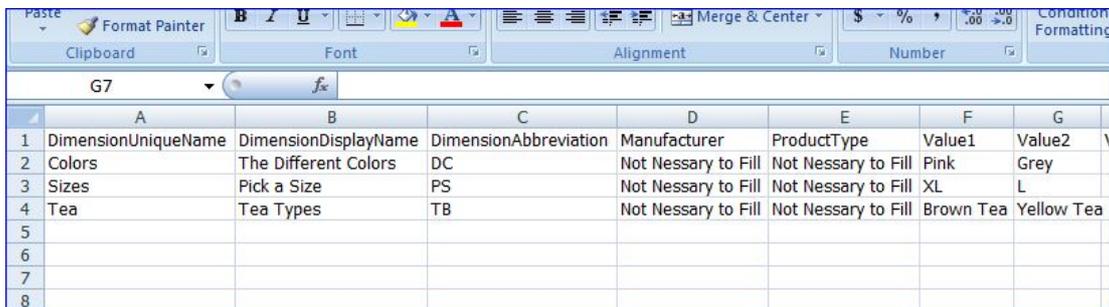


- 2 Click **Download Template**.



(<https://files.helpdocs.io/RFw6fNxIzH/articles/vg8M7Q9kvi/1498230258103/2.jpg>)

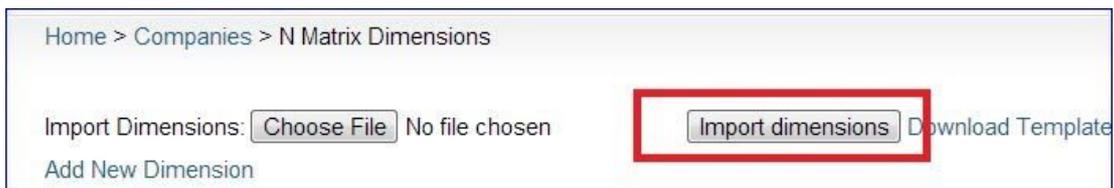
- 3 Open the downloaded template and enter the desired values. **Note:** The Manufacturer and Product Type columns are not required.



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G
1	DimensionUniqueName	DimensionDisplayName	DimensionAbbreviation	Manufacturer	ProductType	Value1	Value2
2	Colors	The Different Colors	DC	Not Necessary to Fill	Not Necessary to Fill	Pink	Grey
3	Sizes	Pick a Size	PS	Not Necessary to Fill	Not Necessary to Fill	XL	L
4	Tea	Tea Types	TB	Not Necessary to Fill	Not Necessary to Fill	Brown Tea	Yellow Tea
5							
6							
7							
8							

- 4 Save the template file with a unique name.
- 5 On the N Matrix Dimensions page, click Choose File > find the file and click **Open**.
- 6 Click **Import dimensions**. Your new dimensions will appear in the grid.



(<https://files.helpdocs.io/Rfw6fNxlzH/articles/vg8M7Q9kvi/1498230282628/4.jpg>)

Splitting an n-Matrix

An n-Matrix that has multiple dimensions can be split into many new n-matrixes by removing one of the dimensions. This is important when taking items from eBay where many dimensions are supported and publishing them to sites like Amazon, where only size and color are supported. For example, an eBay listing for a baseball cap might have variations by team, color and size and the team dimension would need to be removed before it can be published onto Amazon. You can split an n-Matrix from the ProductDetail page. 'Split n-Matrix' is an item on the n-Matrix submenu. Once you the original n-matrix has been split, the child skus will be members of more than one parent n-matrix. If you click n-Matrix from the child sku it will then give you the option to navigate to either of the parents.