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1.1.3 Create Tiered Pricing for a Large Nu	mber of Products with JSON 1
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Tiered Pricing

Tiered Pricing gives you the ability to configure your products for volume-based pricing. This allows you to increase or decrease the per unit cost of a product as the quantity added to the cart changes. Using Tiered Pricing, you can incentivize your customers to purchase larger quantities of a product by applying price adjustments based on the quantity tier selected. Although tiered pricing can decrease the price per unit as the quantity added increases, the price could also increase depending on configuration.

Tiered Pricing offers the following benefits:

- Three types of tier adjustments: price adjustment, absolute price adjustment, and percentage adjustment.
- The ability to provide your customers with quantity discounts without the use of coupons or additional configurations.
- The capacity to configure highly customized pricing for your products and customers.

Read a Tiered Pricing scenario

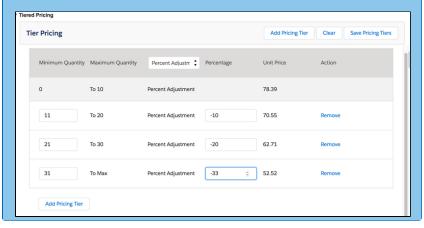
Using Tiered Pricing

Rustic Bag and Co. is a producer of backpacks. When retailers purchase a particular style backpack from Rustic Bag and Co., they purchase a variety of different styles in a quantity of 10 or less. Rustic Bag and Co. would like to encourage their retailers to buy in quantities larger than 10 by offering incremental discounts for retailers who purchase in larger lots. To do this, they decide to implement a tiered pricing structure for all of their backpacks. The pricing structure that works best for Rustic Bag and Co.'s value proposition is to use a percentage discount. They decide to structure their tiered pricing in the following way:

- Tier 1: Customers that order 1-10 units of a particular backpack receive no discount.
- Tier 2: Customers that order 11-20 units of a particular backpack receive a 10% discount per unit.
- Tier 3: Customers that order 21-30 units of a particular backpack receive a 20% discount per unit.
- Tier 4: Customers that order 31 or more of a particular backpack receive a 33% discount per unit.

Now, customers will have the option to receive a discount when ordering a higher quantity of a particular backpack.

Screenshot: Shows configuration of Tiered Pricing discounts from this use case.



Limitations

Tiered Pricing has the following limitations:

- · Subscriptions are not supported
- · Attribute Driven Commerce (ADC) pricing is not supported

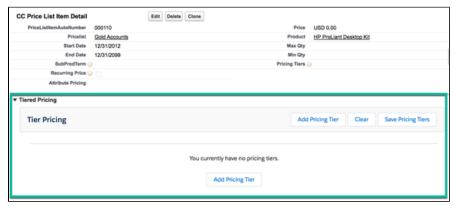
- Limitations
- Upgrade Setup

- Line Level Independence Checkout is not supported
- · Sellers is not supported
- Boot 2 is not supported
- · Tiered Pricing on Standard Objects is not supported
- · Tiered Pricing with Mass Order is not supported
- Tiered Pricing is not supported in the Lightning Storefront Components
- Kits/Dynamic Kits are supported with the price evaluation occurring at the minor item level
- Unsupported Tiered Pricing needs to be migrated to new Data Model

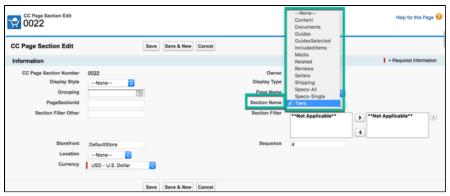
Upgrade Setup

If you have upgraded from a previous version of CloudCraze, review the following considerations to ensure Tiered Pricing is configured properly in your org.

- Upon upgrade, you must add the Tiered Pricing Visualforce component to the Price List Item Layout.
 - 1. Navigate to a Price List Item.
 - 2. Click Edit Layout.
 - 3. Within the Visualforce Pages section, drag and drop the PriceListIte msTiered component beneath the Price List Item Detail section.
 - 4. Click Save.



- Upon upgrade, you must add the Tiered Pricing option to the section name drop-down on the CC Page Section record. This gives you the option to used **Tiers** as a section when creating a CC Page Section for your storefront.
 - 1. Navigate to Setup > Create > Objects > CC Page Section.
 - 2. From the Custom Fields & Relationships section, click Section
 - 3. From the Values section, click New.
 - 4. Enter Tiers and click Save.
 - 5. Navigate to Setup > Create > Objects > CC Page Section.
 - 6. From the Custom Fields & Relationships section, click Page Name.
 - 7. From the **Field Dependencies** section, click **Edit** next to the Section Name dependent field
 - 8. Click Next until you see the Product Details column.
 - 9. Double-click **Tiers** so the cell that contains it is highlighted in yellow.



- Upon upgrade, you must set up a CC Page Section for Tiers. This allows Tiered Pricing information to display in the storefront.
 - 1. Navigate to CC Page Sections.
 - 2. Click New.
 - 3. Select ProductDetails from the Page Name drop-down.
 - 4. Select Tiers from the Section name drop-down.
 - 5. Enter your storefront.
 - 6. Enter a Display Type. For the default display (Tiers as Page Section = FALSE), Display Type can be Tab or Widget. It will display the same regardless, but one of these must be chosen for it to display.



Tiered Pricing Administration

Tiered Pricing allows CloudCraze customers to specify a unit price for a bucket of quantities (e.g., 1-10, 11-20, and so on). Tiered Pricing enhances our already robust entitlement-specific pricing. CloudCraze has enabled administrators to modify the visual experience and set up the tiered pricing.

Tiered Pricing Adjustment Methods

When setting up your pricing tiers, you have the option to apply one of the following price adjustment methods:

- Absolute Price
- · Price Adjustment
- · Percentage Adjustment.

You can also configure tiers in which no price adjustment is applied if a larger quantity is purchased. Depending on your specific use case, you should choose the method that works best for you.

Create Tiered Pricing

Tiered Pricing must be set at the Price List Item level. When setting up your pricing tiers, start by selecting the price adjustment method that best meets your use case. Then, use the Tier Pricing Lightning Component to configure your pricing tiers for selected adjustment method. You can set the minimum quantity, maximum quantity, and unit price amount for the tiers. The unit price amount can be a negative number. However, if the final price is less than \$0, then \$0 displays on the storefront. Up to 15 tiers are supported. If you do not see the Tiered Pricing Lightning Component, follow the upgrade steps to enable Tiered Pricing.

Create Tiered Pricing for a Large Number of Products with JSON

You can add pricing tiers for multiple products at once. The Lightning Component on each Price List Item provides a user-friendly interface to enter different pricing tiers for a given Price List, but it would be very slow if you had to add pricing tiers for 100 or more products. If you have a uniform Tiered Pricing structure, you can use Data Loader or an inbound integration from an external system to set the pricing tiers using properly formatted JSON.

Modify Tiered Pricing Storefront Display

Tiered Pricing visually displays on the Storefront by pricing tier blocks and a tier pricing identifier (e.g. Volume Pricing Available). CloudCraze has made the text for this visual display as page labels for the Admins to change.

Tiered Pricing Adjustment Methods

When setting up your pricing tiers, you have the option to apply one of the following price adjustment methods:

- Absolute Price
- · Price Adjustment
- · Percentage Adjustment.

You can also configure tiers in which no price adjustment is applied if a larger quantity is purchased. Depending on your specific use case, you should choose the method that works best for you.

Absolute Price

The Absolute Price method allows you to specify a whole dollar amount as the price for each quantity tier. This whole dollar amount overrides the product's default Price List Item price. To create pricing tiers using the Absolute Price Adjustment method, see Create Tiered Pricing.

→ Read an Absolute Price scenario...

On this page:

Absolute Price
Price Adjustment
Percentage Adjustment
No Adjustment Applied

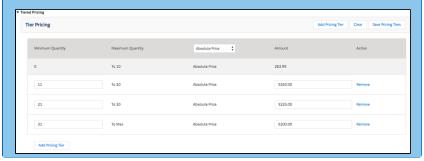
Using an Absolute Price

Rustic Bag and Co. is a producer of backpacks. When retailers purchase a particular style backpack from Rustic Bag and Co., they purchase a variety of different styles in a quantity of 10 or less. Rustic Bag and Co. would like to encourage their retailers to buy in quantities larger than 10 by offering incremental discounts for retailers who purchase in larger lots. To do this, they decide to implement a tiered pricing structure for all of their backpacks. The pricing structure that works best for Rustic Bag and Co.'s value proposition is to use an absolute price which gives the retailers a discount. One backpack regularly costs a total of \$263.99, which is the Product's default Price List Item price. They decide to structure their tiered pricing in the following way:

- Tier 1: Customers that order 1-10 units of a particular backpack pay \$263.99 per unit.
- Tier 2: Customers that order 11-20 units of a particular backpack pay only \$250.00 per unit.
- Tier 3: Customers that order 21-30 units of a particular backpack pay only \$225.00 per unit.
- Tier 4: Customers that order 31 or more of a particular backpack pay only \$200.00 per unit.

Now, customers will have the option to receive a discount when ordering a higher quantity of a particular backpack.

Screenshot: Shows Tiered Pricing use case with Absolute Price applied.



Price Adjustment

The Price Adjustment method adds or subtracts the specified amount from the product's default Price List Item price. To create pricing tiers using the price adjustment method, see Create Tiered Pricing.

[→] Read a Price Adjustment scenario...

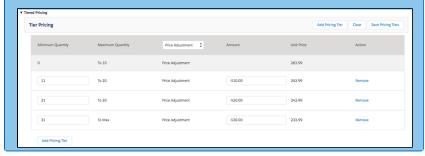
Using a Price Adjustment

Rustic Bag and Co. is a producer of backpacks. When retailers purchase a particular style backpack from Rustic Bag and Co., they purchase a variety of different styles in a quantity of 10 or less. Rustic Bag and Co. would like to encourage their retailers to buy in quantities larger than 10 by offering incremental discounts for retailers who purchase in larger lots. To do this, they decide to implement a tiered pricing structure for all of their backpacks. The pricing structure that works best for Rustic Bag and Co.'s value proposition is to use a dollar discount. One backpack regularly costs a total of \$263.99, which is the Product's default Price List Item price. They decide to structure their tiered pricing in the following way:

- Tier 1: Customers that order 1-10 units of a particular backpack receive no discount.
- Tier 2: Customers that order 11-20 units of a particular backpack receive \$10 off per unit.
- Tier 3: Customers that order 21-30 units of a particular backpack receive \$20 off per unit.
- Tier 4: Customers that order 31 or more of a particular backpack receive \$30 off per unit.

Now, customers will have the option to receive a discount when ordering a higher quantity of a particular backpack.

Screenshot: Shows Tiered Pricing use case with Price Adjustment applied.



Percentage Adjustment

The Percentage Adjustment method allows you to specify a percentage discount to apply to each quantity tier. This percentage is applied to the product's default Price List Item price. This method is a little more flexible in that if the price of the product changes over time the tier discounts will move dynamically and all tier prices do no need to be reset. When discounting by percentage, the unit price is rounded (using System.RoundingMode.HALF_EVEN) two decimal places before calculating the subtotals for the total quantity. To create pricing tiers using the Percentage Adjustment method, see Create Tiered Pricing.

Read a Percentage Adjustment scenario...

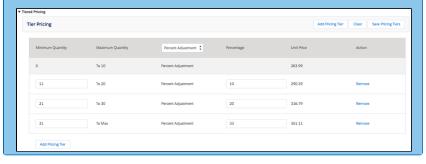
Using a Percentage Adjustment

Rustic Bag and Co. is a producer of backpacks. When retailers purchase a particular style backpack from Rustic Bag and Co., they purchase a variety of different styles in a quantity of 10 or less. Rustic Bag and Co. would like to encourage their retailers to buy in quantities larger than 10 by offering incremental discounts for retailers who purchase in larger lots. To do this, they decide to implement a tiered pricing structure for all of their backpacks. The pricing structure that works best for Rustic Bag and Co.'s value proposition is to use a percentage discount. One backpack regularly costs a total of \$263.99, which is the Product's default Price List Item price. They decide to structure their tiered pricing in the following way:

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- Tier 4: Customers that order 31 or more of a particular backpack receive a 33% discount per unit.

Now, customers will have the option to receive a discount when ordering a higher quantity of a particular backpack.

Screenshot: Shows Tiered Pricing use case with Percentage Adjustment applied.



No Adjustment Applied

When using Tiered Pricing, consider that prices don't always have to decrease as the quantity goes up. If shipping costs are rolled into product pricing the price per unit might increase pricing for certain tier levels depending on how many vehicles are needed to ship the products in question.

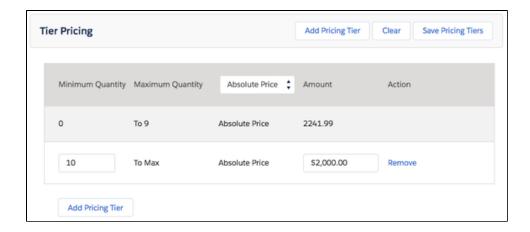
Create Tiered Pricing

Tiered Pricing must be set at the Price List Item level. When setting up your pricing tiers, start by selecting the price adjustment method that best meets your use case. Then, use the Tier Pricing Lightning Component to configure your pricing tiers for selected adjustment method. You can set the minimum quantity, maximum quantity, and unit price amount for the tiers. The unit price amount can be a negative number. However, if the final price is less than \$0, then \$0 displays on the storefront. Up to 15 tiers are supported. If you do not see the Tiered Pricing Lightning Component, follow the upgrade steps to enable Tiered Pricing.

Screenshot: displays the Tiered Pricing Lightning Component on the Price List Item layout.

On this page:

- Setting Up The First Tier
- Set Up Tiered Pricing Using an Absolute Price
- Set Up Tiered Pricing Using a Price Adjustment
- Set Up Tiered Pricing Using a Percent Adjustment



Setting Up The First Tier

By default, the first tier is the price for the Price List Item. In this example, the price on the Price List Item is \$100. Quantities of 0-9 will have the base price of \$100.



However, administrators can set up the first tier to start at a quantity of 1. In this example, the price on the Price List Item is \$100. However, all quantities will have the price of \$110.

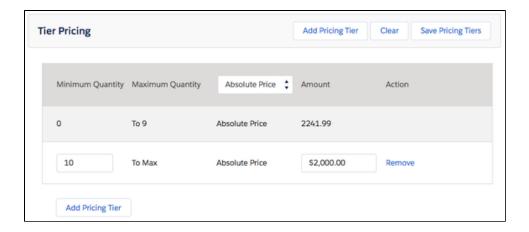


Set Up Tiered Pricing Using an Absolute Price

Use the following instructions to set up pricing tiers with a percent adjustment. To learn more about the Absolute Price Adjustment method, see Tiered Pricing Adjustment Methods.

- 1. Enter a Value Type of **Absolute Price** in the discount type drop-down.
- 2. Click the Add Pricing Tier button.
- 3. Enter Minimum Quantity.
- 4. Enter Amount.
- 5. Repeat steps 2 through 4 for all additional tiers.
- 6. Click Save Pricing Tiers.

Screenshot: displays Tiered Pricing configured for an absolute price adjustment.

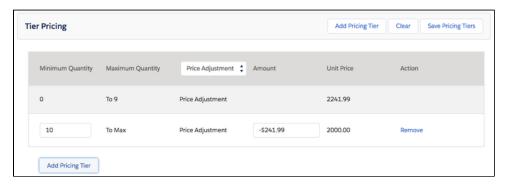


Set Up Tiered Pricing Using a Price Adjustment

Use the following instructions to set up pricing tiers with a price adjustment. To learn more about the Price Adjustment method, see Tiered Pricing Adjustment Methods.

- 1. Enter Value Type of **Price Adjustment** in the discount type drop-down.
- 2. Click the Add Pricing Tier button.
- 3. Enter Minimum Quantity.
- Enter Amount. For this discount type, the values listed in amount must be negative if you wish to discount the per unit price.
- 5. Repeat steps 2 through 4 for all additional tiers.
- 6. Click Save Pricing Tiers.

Screenshot: displays Tiered Pricing configured for a price adjustment.

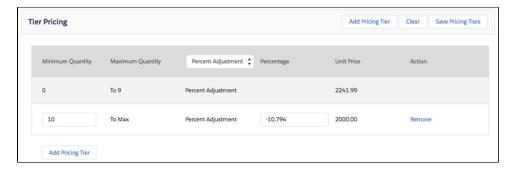


Set Up Tiered Pricing Using a Percent Adjustment

Use the following instructions to set up pricing tiers with a percent adjustment. To learn more about the Percent Adjustment method, see Tiered Pricing Adjustment Methods.

- 1. Enter Value Type Percent Adjustment in the discount type drop-down.
- 2. Click the Add Pricing Tier button.
- 3. Enter Minimum Quantity.
- Enter Amount. For this discount type, the values listed in amount must be negative if you wish to discount the per unit price,
- 5. Repeat steps 2 through 4 for all additional tiers.
- 6. Click Save Pricing Tiers.

Screenshot: displays Tiered Pricing configured for a percent adjustment.



Create Tiered Pricing for a Large Number of Products with JSON

You can add pricing tiers for multiple products at once. The Lightning Component on each Price List Item provides a user-friendly interface to enter different pricing tiers for a given Price List, but it would be very slow if you had to add pricing tiers for 100 or more products. If you have a uniform Tiered Pricing structure, you can use Data Loader or an inbound integration from an external system to set the pricing tiers using properly formatted JSON.

Add Fields to the Price List Layout

To set up Tiered Pricing with JSON, first add the appropriate fields to the Price List.

- 1. Update the Price List Item layout to include the Item Type and Pricing Tiers fields.
 - a. Navigate to a Price List Item.



The specific Price List Item doesn't matter and will not be impacted by editing the layout.

- b. Click Edit Layout.
- $\it c.$ Within the **Fields** section, click and drag the following fields into the Price List Item
 - i. Pricing Tiers (ccrz__PricingTiers__c)
 - ii. Item Type (ccrz__ItemType__c)
- d. Click Save.

Add JSON Code

After adding the required fields, complete the following steps to specify the JSON code:

- 1. On the Price List Item, set the Item Type field to tiered.
- 2. Enter the JSON code in the Pricing Tiers field.

JSON Requirements

```
"pT": "tAbsDisc",
        "tiers":[
                 {"q":0,"p":-100.00},
                 {"q":101, "p":-50.00},
                 {"q":201,"p":-0.00}
        ]
}
```

On this page:

- · Add Fields to the Price List Layout
- Add JSON Code
 - JSON Requirements
 - Examples Scenarios
 - Absolute Discount, 3 Tiers at minimum quantity of 0, 101, 201
 - Absolute Price, 4 Tiers at minimum quantity of 101, 201, 301, 401
 - Percentage Discount, 4 Tiers at minimum quantity of 101, 201, 301, 401

This code has two main required parts:

P a rt	Description	Values
" Р Т"	Pricing type	 "tAbsDisc" – A number to add(positive) or subtract(negative) from the Price List Item price when this tier is reached "tAbsPrice" – The price you want to charge for the product when you reach this tier. "tPercDisc" – The percentage of the Price List Item price you want to charge. For example, if you use this with a tier that has a "p" of 0.75 then you are getting a 25% discount
		In the JSON, decimal values need to have have a leading integer digit (characteristic), even if the value is less than 1.0. For example, 0.75 is valid, but .75 is invalid. Negative numbers for the discount percentage are allowed. Amounts less than \$0 will be displayed as \$0 in the Storefront.
"t ie r s"	JSON objects, each representing a pricing tier. You can specify up to 15 objects in the list.	 Fach object has the following required fields: "q" – The minimum quantity to reach this tier. Note: Arrange objects in the list in ascending order of minimum quantity. For example, a tier that specifies a minimum quantity of 0 should be first, then 100, 200, 300, and so on. "p" – The price, percentage, or discount applied based on the pricing type. Price examples Using the "tAbsDisc" pricing type to deduct \$10 off the main Price List Item, enter –10.00. To add \$100, enter 100.00.
		 Using the "tAbsPrice" pricing type to set an absolute price of \$9.99, enter 9.99. Using the "tPercDisc" pricing type to apply a 25% discount off the main Price List Item, enter -25. Note: A percentage value must be a whole number. For example, -1.00 is 1% off and -10 is 10% off. A value less than 0 displays as \$0 on the storefront.

Examples Scenarios

Absolute Discount, 3 Tiers at minimum quantity of 0, 101, 201

- 1. At 0 qty -100.00 would be taken from the price
- 2. At 101 qty, -50 would be taken from the price
- 3. At 210+ no discount is given

Absolute Price, 4 Tiers at minimum quantity of 101, 201, 301, 401

- 1. At a qty < 101, the price will be the PLI price
- 2. At 101-200 qty the price is 50
- 3. At 201-300 qty the price is 40
- 4. At 301-400 qty the price is 30
- 5. At 401+ qty the price is 20

Percentage Discount, 4 Tiers at minimum quantity of 101, 201, 301, 401

- 1. At a qty < 101, the price will be the PLI price
- 2. At 101-200 qty the price is 90% of the PLI Price
- 3. At 201-300 qty the price is 75% of the PLI Price
- 4. At 301-400 qty the price is 50% of the PLI Price
- 5. At 401+ qty the price is 25% of the PLI Price

Modify Tiered Pricing Storefront Display

Tiered Pricing visually displays on the Storefront by pricing tier blocks and a tier pricing identifier (e.g. Volume Pricing Available). CloudCraze has made the text for this visual display as page labels for the Admins to change.

Tiered Pricing In Your Storefront

Types of Tiered Pricing Visual Display

Pricing Tier Blocks

Tiered Pricing will visually display in tier blocks on the Product Detail Page either underneath the Product Description or in a Page Section. Refer to the Modifying Tier Pricing Page Labels section for information about changing the text.



The amount of Tiers that show up by can be set by Configuration Settings (pd.tierovflco)



Tier Pricing Identifier

Tiered Pricing identifier displays on products where tiered pricing is enabled. Refer to the Modifying Tier Pricing Page Labels section for information about changing the text.



Page-specific Visual Display

Product Detail Page Display

Both the Pricing Tier Blocks and the Pricing Identifier display on the Product Detail Page.

By default, the Pricing Tier Blocks display as a standard component of the PDF and appear between price and quantity. You can optionally configure the the Pricing Tier Blocks to render as a page section.

Homepage, Product List Page, Checkout, Order Confirmation Display

All above pages show only the Tier Pricing Identifier and not the Pricing Tier Blocks.

Cart Display

Cart page shows the Pricing Tier Blocks when the buyer selects "Show Tiers". The Pricing Tier Blocks are not displayed when the page first loads.

Using a Page Section for the Tiers

On this page:

- Tiered Pricing In Your Storefront
 - Types of Tiered Pricing Visual Display
 - Pricing Tier Blocks
 - Tier Pricing Identifier
 - Page-specific Visual Display
 - Product
 Detail Page
 Display
 - Homepage, Product List Page, Checkout, Order Confirmatio n Display
 - Cart Display
- Using a Page Section for the Tiers
- Modifying Tier Pricing Page Labels

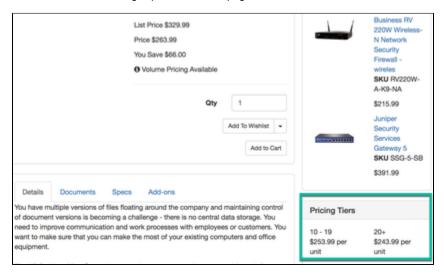
Related Pages:

- Tiered Pricing
- Tiered Pricing Adjustment Methods
- Create Tiered Pricing
- Create Tiered Pricing for a Large Number of Products with JSON

By default, Tiered Pricing information renders in the product-specific information on the Product Detail Page.

Optionally, you can enable the **tiersassec** configuration setting on the Product Detail mode. If TRUE, this setting renders the Tiered Pricing information as a page section, which you can display in a tab, within the main column, or within a column on either side of the page.

Screenshot: Tiered Pricing implemented as a page section.



If you want to use the tiersassec configuration setting, you must first rebuild the configuration cache.

- Navigate to CC Admin.
- Click Data Loader.
- Click Upgrade button in the upgrade CloudCraze Settings section. This will add the Tier Pricing setting under the Product Detail module.
- Rebuild the Configuration Cache to utilize the new setting.

Modifying Tier Pricing Page Labels

All of the items displayed in the storefront associated with tier pricing are page labels. This gives the user total flexibility over the language and presentation of Tiered Pricing in the storefront. To change the page labels associated with Tiered Pricing, refer to the CC Page Labels documentation.



Note:

To remove the "Volume Pricing Available" note that appears on PDP, PLP, and Checkout, you must blank out the appropriate page label.

Label Name	Description
ProductPricingTiers_TierBoxT ext *	Text for the tiles other than the last tile. Contains HTML and CSS classes that can be used to customize the tile's text layout, look, and feel.
ProductPricingTiers_TierBoxT extMax *	Text for the last tile. Contains HTML and CSS classes that can be used to customize the tile's text layout, look, and feel

* Variables for the page labels above Tiered Pricing variables to the right can be used within your Tiered Pricing page labels to dynamically show the different quantity levels and prices that have been set.	 {0} minimum quantity {1} unit price of the tier {2} the tier discount from the tier pricing JSON {3} PageLabel value after performing a PageLabel look up using the Products Unit of Measure Label. If no PageLabel is found, the UOML itself will be used. {4} Maximum quantity for the tier, not available for use with 'ProductPricingTiers_TierBoxTextMax'.
ProductPricingTiers_ShowMoreBtn	Text used on the "Show Pricing tiers" button in the tile display. This is the text used when the accordion is closed.
ProductPricingTiers_HideBtn	Text used on the "Show Pricing tiers" button in the tile display. This is the text used when the accordion is open.
ProductPricingTiers_VolumeP ricing	The tool tip icon and text for Tiered Pricing when not in the cart or on an order. If a new icon for the tooltip is needed, the HTML for it can be substituted in this label without the need for a template override.
ProductPricingTiers_VolumeP ricingApplie	Label used to provide the tool tip icon and text for Tiered Pricing when in the cart or on an order. If a new icon for the tooltip is needed, the HTML for it can be substituted in this label without the need for a template override.
ProductPricingTiers_VolumeH over	Text that displays on hover for the tool tips.
ProductPricingTiers_VolumeP ricingAppliedCE	Label used in the Order Confirmation Email.
Head_Tiers	Label used as the heading for all Tiered Pricing tile displays.
DisplayPrice_AggTiered	Label used to replace the min-max of an Aggregate product's pricing display when the Aggregate product has Child Products that are tier priced.