

Solution Architecture and Usage – Multicurrency Price Manager

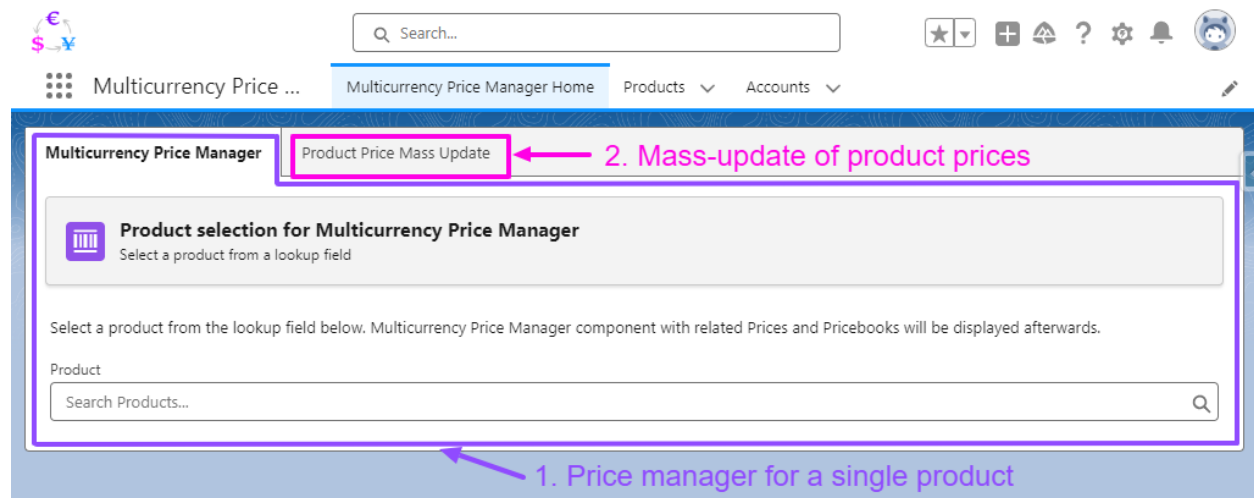
Contents

Solution Architecture and Usage – Multicurrency Price Manager	1
Description	2
Permissions and access settings	2
1. Multicurrency Price Manager	3
User manual – how to see product prices	5
User manual – how to edit prices	6
User manual – how to delete prices	7
User manual – how to create prices	8
User manual – how to use Product Price Manager from Product record detail page	9
Warnings and error messages	10
2. Product Price Mass Update	12
Step 1 - Define calculation formula	12
Step 2 – Define product filter	13
Step 3 – Choose calculation type	15
Step 4 – Preview and start	16
Data backup	18
Warnings and error messages	18
Installation	20
Install package.....	20
Free trial period	20
Assign permission set.....	20
Access the app from App Launcher	20
Add component to Product detail page	21

Description

Multicurrency Price Manager is a Salesforce App which helps users maintain product prices in multiple currencies in a friendly user interface. The App consists of two tabs providing two features:

1. Multicurrency Price Manager (price management for a single product)
2. Product Price Mass Update (mass update of several products in one operation)



Permissions and access settings

Multicurrency Price Manager works with standard Salesforce objects: products, price books and price book entries, therefore it's required that users using this app have access to these objects.

For a full use of this app, it's recommended that users have following permissions:

- **Create, Read, Edit** object permissions on **Price Book**
- **Read, Edit** object permissions on **Product**

These permissions are not given by the price manager app. Although the app contains a permission set Multicurrency Price Manager User, it doesn't give any access to standard Salesforce objects. It gives access to the app only. It's up to the Salesforce admin to control permissions for their users either by Profiles or additional Permission Sets.

1. Multicurrency Price Manager

Multicurrency Price Manager allows users to see and edit product prices in all org currencies at the same time, in the same view. It highlights prices in corporate currency and prices in Standard Price Book for a better overview. Prices from Standard Price Book are highlighted with a light blue background and prices in corporate currency are highlighted with a light yellow background.

The Product Price Manager component can be accessed from the first tab of the App. In that case user needs to find a product in a product lookup input field first. After a product is selected, the Multicurrency Price Manager component opens automatically and shows prices for the product in all org currencies:

The screenshot shows the Multicurrency Price Manager interface. At the top, there's a search bar and navigation tabs. The main section is titled "Multicurrency Price Manager" and includes a "Product selection for Multicurrency Price Manager" section. A product lookup field is shown with "Vacuum Cleaner ABC123" selected. Below this, the Multicurrency Price Manager component displays a table of prices for various currencies (AUD, CAD, CZK, EUR, NOK, PLN, SEK, USD) across two price books: Standard Price Book and Wholesale Pricebook. The EUR row is highlighted in yellow, indicating it is the corporate currency. The table also includes a Guide section explaining the background colors: light blue for Standard Price Book and light yellow for corporate currency.

1. Product lookup for product selection

2. Price Manager opens automatically after product is selected in the lookup

Currency	Standard Price Book	Wholesale Pricebook
AUD	162.00	150.00
CAD	147.50	135.00
CZK	2527.00	2300.00
EUR	100.00	90.00
NOK	1166.44	1000.00
PLN	431.00	380.00
SEK	1152.00	1000.00
USD	105.34	95.50

Guide

- Light-blue background marks Price Book Entries from **Standard Price Book**.
- Light-yellow background marks Price Book Entries in **corporate currency**.

There are **two buttons** on the top of the price manager: Edit prices and Create new Pricebook.

Create new Pricebook allows to create a new price book record directly from this view – users don't have to leave this page and search for the standard Salesforce price book creation page.

Instead, they can click on this button to open a standard form for the price book creation and save it from there. After a new price book is inserted, the Product Price Manager component refreshes the price overview including the newly created price book record. This allows users to maintain prices in the new price book immediately after creation without needing to manually refresh the price table. **Note:** this button is available only if users have permission to create price books.

Edit prices button switches the price manager into an edit mode:

Multicurrency Price Manager Product Price Mass Update

Product selection for Multicurrency Price Manager
Select a product from a lookup field

Select a product from the lookup field below. Multicurrency Price Manager component with related Prices and Pricebooks will be displayed afterwards.

Product
Vacuum Cleaner ABC123

Multicurrency Price Manager Click on "Edit prices" button toggles the view to Edit mode and allows price update

Save Cancel

Currency	Standard Price Book	Wholesale Pricebook
AUD	162,00	150,00
CAD	147,50	135,00
CZK	2 527,00	2 300,00
EUR	100,00	90,00
NOK	1 166,44	1 000,00
PLN	431,00	380,00
SEK	1 152,00	1 000,00
USD	105,34	95,50

Note: Edit mode is accessible only if user has permission to update products and prices.

The same price manager component can be placed on a Product detail page to provide overview of product prices:

1. Product detail page

2. Price Manager can be placed on product detail page to show price overview

Product
Vacuum Cleaner ABC123

Product Code: ABC123

Product Family:

Related Details

Multicurrency Price Manager

Edit prices Create new Pricebook

Currency	Standard Price Book	Wholesale Pricebook
AUD	162.00	150.00
CAD	147.50	135.00
CZK	2527.00	2300.00
EUR	100.00	90.00
NOK	1166.44	1000.00
PLN	431.00	380.00
SEK	1152.00	1000.00
USD	105.34	95.50

Guide

- Light-blue background marks Price Book Entries from **Standard Price Book**.
- Light-yellow background marks Price Book Entries in **corporate currency**.

User manual – how to see product prices

First step in using the price manager is finding the desired product in a lookup field. Start typing the product name or code in the lookup, and then select a record from the suggested list:

Product selection for Multicurrency Price Manager
Select a product from a lookup field

Select a product from the lookup field below. Multicurrency Price Manager component with related Prices and Pricebooks will be displayed afterwards.

Product

abc

Show more results for "abc"

Vacuum Cleaner ABC123
ABC123

Select a product in the lookup field to show the price manager component

After finding a product in the lookup field, the price manager component is automatically loaded and shows prices for the product:

 **Product selection for Multicurrency Price Manager**
Select a product from a lookup field

Select a product from the lookup field below. Multicurrency Price Manager component with related Prices and Pricebooks will be displayed afterwards.

Product

Vacuum Cleaner ABC123

 **Multicurrency Price Manager**

[Edit prices](#) [Create new Pricebook](#)

Currency	Standard Price Book	Wholesale Pricebook
AUD	162.00	150.00
CAD	147.50	135.00
CZK	2527.00	2300.00
EUR	100.00	90.00
NOK	1166.44	1000.00
PLN	431.00	380.00
SEK	1152.00	1000.00
USD	105.34	95.50

Guide
 Light-blue background marks Price Book Entries from **Standard Price Book**.
 Light-yellow background marks Price Book Entries in **corporate currency**.

User manual – how to edit prices

There are **two buttons** on the top of the price manager: Edit prices and Create new Pricebook. A click on **Edit prices** toggles the view into an edit mode:

Product

Vacuum Cleaner ABC123

 **Multicurrency Price Manager**

[Edit prices](#) [Create new Pricebook](#)

Currency	Standard Price Book	Wholesale Pricebook
----------	---------------------	---------------------

Edit mode:

 **Multicurrency Price Manager** Edit mode

Save Cancel

Currency	Standard Price Book	Wholesale Pricebook
AUD	162,00	150,00
CAD	147,50	135,00
CZK	2 527,00	2 300,00
EUR	100,00	90,00
NOK	1 166,44	1 000,00
PLN	431,00	380,00
SEK	1 152,00	1 000,00
USD	105,34	95,50

In the edit mode, user can update any of the existing prices and click on “Save” button saves them in Salesforce (it makes an update to existing Pricebook Entry records)

Price manager shows a green success message with a number of updated records after successful update and turns back the view into read mode:

 **Multicurrency Price Manager** Success message after update

✓ Success: 1 Price Book Entries were updated.

Edit prices Create new Pricebook

User manual – how to delete prices

Saving an empty value will delete the price from Salesforce:

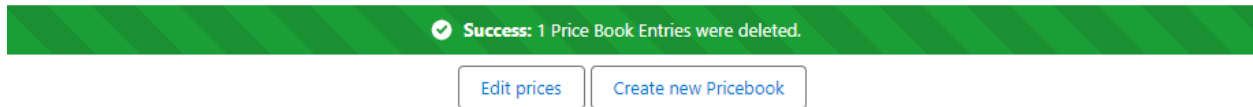
 **Multicurrency Price Manager** Empty value - price will be deleted

Save Cancel

Currency	Standard Price Book	Wholesale Pricebook
AUD	162,00	
CAD	147,50	135,00
CZK	2 527,00	2 300,00
EUR	100,00	90,00

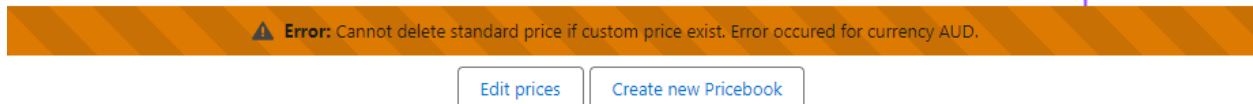
Price manager shows a green success message with a number of deleted records after successful delete and turns back the view into read mode:

Multicurrency Price Manager **Success message after delete**



Limitation: Prices from custom price books can be deleted any time. However, Salesforce doesn't allow deleting standard price if a custom price exists. Therefore, when deleting a price from Standard Price Book, price manager checks whether there is a price in custom price book for the same currency. In that case the component doesn't allow deleting the standard price and shows an error message:

Multicurrency Price Manager **Error message when deleting a price if a custom price exists**

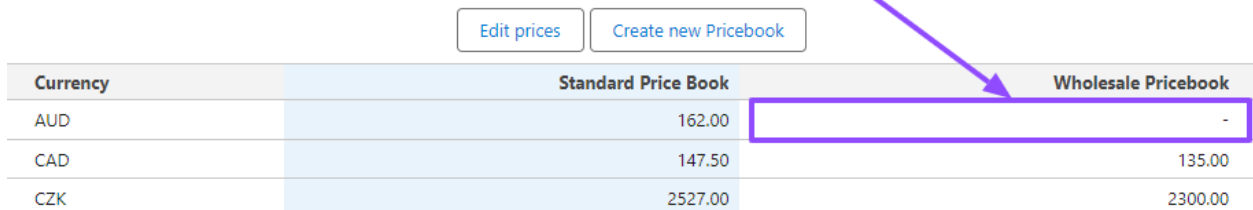


User manual – how to create prices

If there is no price defined for a certain currency in a certain price book, the price manager shows a dash sign in the table:

Multicurrency Price Manager

No price in AUD in Wholesale Pricebook



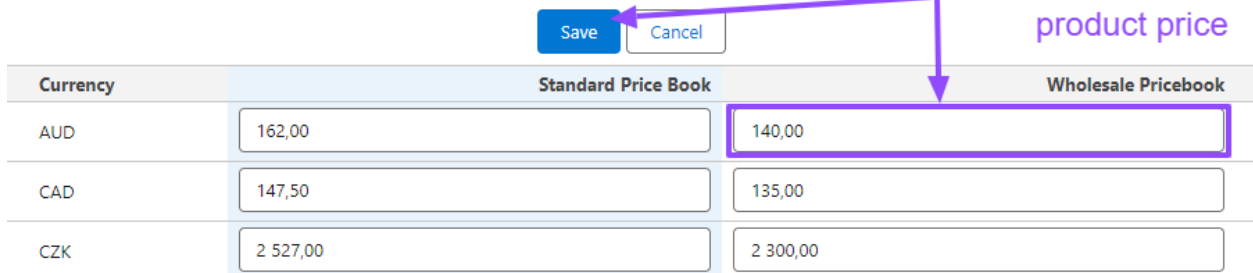
Edit prices Create new Pricebook

Currency	Standard Price Book	Wholesale Pricebook
AUD	162.00	-
CAD	147.50	135.00
CZK	2527.00	2300.00

In the Edit mode, users can enter a new price and save. It will create new Pricebook Entry record and show a success message:

Multicurrency Price Manager

Enter a numeric value and Save to create a new product price

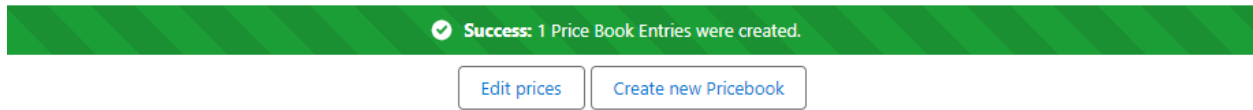


Save Cancel

Currency	Standard Price Book	Wholesale Pricebook
AUD	162,00	140,00
CAD	147,50	135,00
CZK	2 527,00	2 300,00

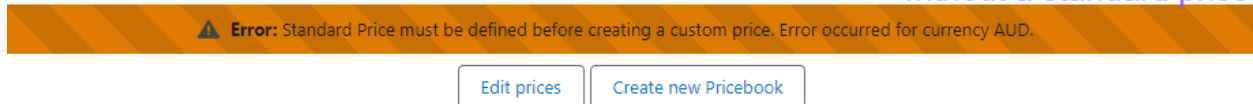
Price manager shows a green success message with number of created records after successful insert and turns back the view into read mode:

Multicurrency Price Manager Success message after insert



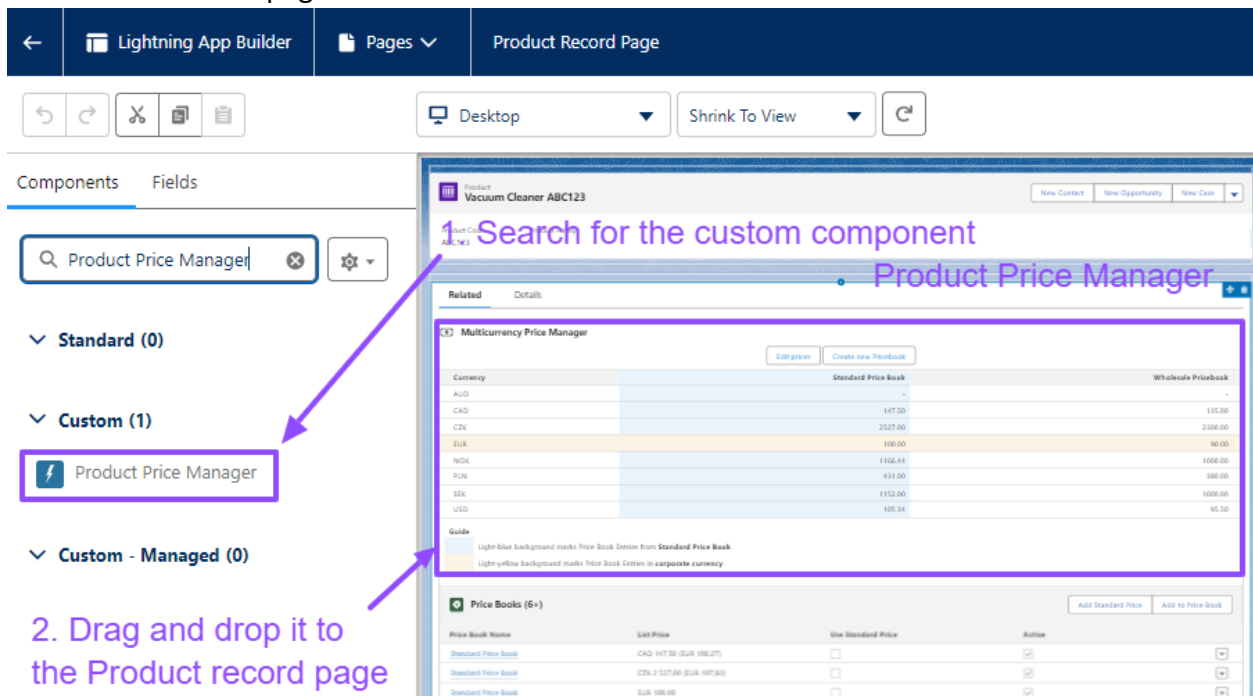
Limitation: same as when deleting a price, there is a Salesforce limitation which affects inserting prices. There must be a price defined in the Standard Price Book before creating a price in a custom price book. Therefore, the price manager checks whether a standard price exists and only in that case allows inserting new price in a custom price book. Otherwise it shows an error message:

Multicurrency Price Manager Error message when creating a custom price without a standard price



User manual – how to use Product Price Manager from Product record detail page

The Product Price Manager can be also placed on a Product record detail page using the Lightning App Builder. Find **Product Price Manager** in custom components. Drag and drop it to the Product Record page:

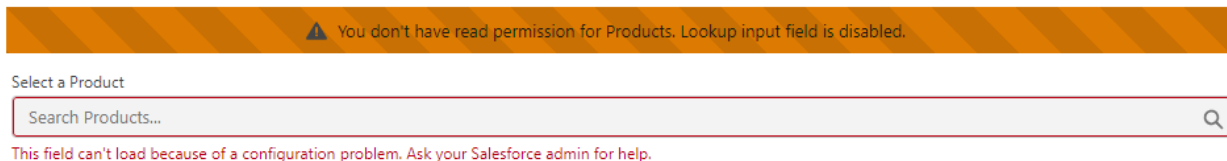


You can use the price manager component in the same way as the app.

Warnings and error messages

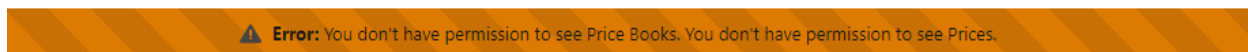
As we already mentioned earlier in the document, Multicurrency Price Manager works with standard Salesforce objects: products, price books and price book entries. For a full use of the app it's required that users using this app have **Create, Read, Edit** object permissions on **Price Book**, and **Read, Edit** object permissions on **Product**. Without these recommended permissions, users can experience following scenarios:

- **Product lookup field is disabled** – if a user doesn't have read access to products, the price manager shows an error message and Product lookup field is disabled:



User needs a read permission for Product object either in Profile or in Permission set to fix this error

- **Error: You don't have permission to see Price Books. You don't have permission to see Prices.** – This error message says that user doesn't have read permission for Price Book object, as well as Edit permission. Edit permission for Price Books means that user can manage Price Book Entries (create and delete)



- **Edit prices button is missing** – This scenario occurs when a user does have a read permission for Price Books, but doesn't have an edit permission for both Price Book and Product objects. In this case the product manager shows price books and prices, but doesn't allow editing them:

Select a Product

Vacuum Cleaner ABC123

Multicurrency Price Manager		
Currency	Standard Price Book	Wholesale Pricebook
AUD	162.00	150.00
CAD	147.50	135.00
CZK	2527.00	2300.00
EUR	100.00	90.00

- **Create new Pricebook button is missing** – This scenario occurs when a user doesn't have a create permission for Price Book object:

Select a Product

Vacuum Cleaner ABC123

Multicurrency Price Manager "Create new Pricebook" button is hidden if user doesn't have "Create" permission on Price Book

Edit prices

Currency	Standard Price Book	Wholesale Pricebook
AUD	162.00	150.00
CAD	147.50	135.00
CZK	2527.00	2300.00
EUR	100.00	90.00

- **Product record not found in lookup results** – If the Organization-wide sharing settings for Product object are set to Private, then the price manager app follows this setup. The lookup field results don't include records which a user doesn't have access to.
- **Warning: There is no active Standard Pricebook. We recommend to fix this issue before managing prices.** – This warning message shows up when there is no Standard Price Book in the org, or this Standard Price Book is not active. If you see this error message, make sure that the Standard Price Book is active. The price manager app still allows you to edit prices in other price books, but you may encounter errors if you try to create prices in other price books without creating them in Standard Price Book first.

Multicurrency Price Manager No active Standard Pricebook error

Warning: There is no active Standard Pricebook. We recommend to fix this issue before managing prices.

Edit prices Create new Pricebook

Currency	Wholesale Pricebook
AUD	150.00
CAD	135.00

- **Warning: There are more Pricebooks with the same name. Fix this issue before managing prices otherwise you may encounter errors.** – It's unlikely that a company is using more price books with the same name, but if that by any chance happened, the price manager app will show an error message and will not work properly for these duplicate price books. Managing prices in a unique price books will still work, but duplicate price books must be fixed before maintaining prices in them.

Multicurrency Price Manager Duplicate price books error

Warning: There are more Pricebooks with the same name. Fix this issue before managing prices otherwise you may encounter errors.

Edit prices Create new Pricebook

Currency	Standard Price Book	Wholesale Pricebook	Wholesale Pricebook
AUD	160.00	150.00	150.00
CAD	147.50	135.00	135.00

- Two other error messages **“Cannot delete standard price if custom price exist”** and **“Standard Price must be defined before creating a custom price”** were mentioned in the previous section.
- **Note: Make sure you create prices in Standard Price Book before defining prices in other Price Books.** – this notification is displayed in the Edit mode if the app finds out that there are prices missing in Standard Price Book for some currencies. This is just a reminder and doesn’t affect the functionality.

 **Multicurrency Price Manager**

Notification if there is a standard price missing (in Edit mode only)

Note: Make sure you create prices in Standard Price Book before defining prices in other Price Books.

Save **Cancel**

Currency	Standard Price Book	Wholesale Pricebook
AUD		
CAD	147,50	135,00

2. Product Price Mass Update

Second tab of the App allows editing prices for multiple products in one batch operation. There are 4 steps to complete before starting the mass update:

Multicurrency Price Manager **Product Price Mass Update**

 **Product Price Mass Update**
Update prices on multiple products with a defined formula

There are 4 steps to define the mass update

Define a calculation formula which will be applied to all Price Book Entries of a product. You can choose to apply the formula to all existing Products, or you can define a filter to select specific Products which meet certain criteria. Fill in sections below to start Product Price Mass Update.

- > 1. Define calculation formula
- > 2. Define product filter
- > 3. Choose calculation type
- > 4. Preview and start

Step 1 - Define calculation formula

In the first step, user defines what calculation will be executed on existing product prices. At least one calculation is required, but user may define more than one if needed. For each calculation there is a **selection of 4 operations** (addition, subtraction, multiplication, division) and a numeric input field for **entering an operand**. For example, selecting “Multiplication” and entering operand “1.10” will increase all existing prices by 10 percent. It’s possible to define more than one operation by clicking on button **Add operation**. This will add new line with new calculation. At the very bottom of this section we can see a **Resulting formula**, which shows the

summary of all calculations and how they will be applied on the old price:

1. Define calculation formula

Define a formula which will be applied to all price book entries. First, select an operation from the drop-down selection. You can choose from: Multiply (*), Divide (/), Add (+) and Subtract (-) actions. Second, enter an operand which will be used with the selected operation. (Only numeric input is allowed.) You can add another calculation on results of the previous one by clicking on "Add operation". This way you can construct a more complex calculation with combination of multiple operations.

Maximum limit is 10 operations.

Example: You can increase all prices by 5% by using Multiplication operation with operand 1.05. Final formula will be: $\text{NewPrice} = (\text{OldPrice}) * 1.05$

The screenshot shows the calculation formula builder interface. It has two rows for defining operations. Row 1: Index 1, Operation: Multiply (*), Operand: 1.10. Row 2: Index 2, Operation: Add (+), Operand: 200.00. Below the rows are buttons: "+ Add operation" and "Remove all operations". At the bottom, the "Resulting formula:" is displayed as $\text{NewPrice} = ((\text{OldPrice}) * 1.1) + 200$. Annotations with pink arrows point to: 1. The first operation row (Multiply * 1.10). 2. The delete button (trash bin icon) for the second operation row. 3. The "+ Add operation" button. 4. The resulting formula box.

Single calculation row can be deleted clicking on delete button (trash bin icon). It's also possible to remove all calculations at the same time by clicking on button **Remove all operations**.

Step 2 – Define product filter

App allows to update all products in the org, in that case user leaves the product filter blank. But it's also possible to define a subset of products which should be affected by the calculation, and the rest of the products will remain unchanged. For example, user can define a certain "Product Family" or a "Product Code" starting with a certain code, to identify which products to take into calculation and only their prices will be updated. Other products' prices will stay the same.

2. Define product filter

Define a filter to decide which products' prices should be recalculated. You can leave the filter blank if you want to recalculate all products in Salesforce.

Note: only Product fields of following data types are available for selection: Boolean, Picklist, Currency, Double, Int, Percent, Date, Time, DateTime, String, TextArea, Email, Url.

The screenshot shows the product filter builder interface. It has two rows for defining filter conditions. Row 1: Index 1, Field: Product Family, Operator: Equals, Value: Vacuum Cleaners. Row 2: Index 2, Field: Product Code, Operator: Starts with, Value: ABC. Below the rows is a button: "+ Add another condition". At the bottom, there is a section "Choose condition logic" with two radio buttons: "All - products which meet all conditions are recalculated" (selected) and "Any - products which meet any condition are recalculated". Annotations with pink arrows point to: 1. The first filter condition row (Product Family Equals Vacuum Cleaners). 2. The delete button (trash bin icon) for the second filter condition row. 3. The "All" radio button for condition logic.

Similar to defining price calculations, it's possible to define more than one field condition to create more complex **filtering logic**. At the bottom of the page, user can decide whether all conditions must be met (logical **AND** operator) or if any of them must be met (logical **OR** operator).

Field data types and available operators and value inputs in product filter

Each filter condition consists of 3 parts: a product field, an operator and a value. Product field is selected from a picklist containing all product fields (which are accessible to the user, and are of

following data types: Checkbox, Picklist, Currency, Number, Percent, Date, Time, DateTime, Text, TextArea, Email, Url). **Depending on selected field and its data type, a corresponding operator selection and value input become available.**

If selected field is Product Code (data type Text), then available operators are **Equals, Starts with, Contains** and **text values** are allowed for input. This applies for data types: **Text, Textarea, Email and URL.**

Index: 1 | Select field for filter condition: Product Code | Select operator: Equals | Enter a text value: ABC | [Trash]

+ Add another condition

Choose condition logic

☒ All - products which meet all conditions are

☐ Any - products which meet any condition are

Example: filter on Product Code (Text)

If selected field is Product Family (data type **Picklist**), then the only available operator is **Equals** and input value is a **picklist selection** with all possible picklist values:

Index: 1 | Select field for filter condition: Product Family | Select operator: Equals | Select value: Select value | [Trash]

+ Add another condition

Choose condition logic

☒ All - products which meet all conditions are recalculated

☐ Any - products which meet any condition are recalculated

Example: filter on Product Family (picklist)

Similar selection is available for data type Boolean (**Checkbox**), where possible values for selection are **true** and **false**.

If selected field is Created Date (data type **Datetime**), then available operators are: **Equals, Greater than, Greater or equal, Less than, Less or equal** and the input field allows to enter a datetime value. Similar logic applies for data types **Date** and **Time**:

Index: 1 | Select field for filter condition: Created Date | Select operator: Equals | Date: [Calendar] | Time: [Clock] | [Trash]

+ Add another condition

Choose condition logic

☒ All - products which meet all conditions are

☐ Any - products which meet any condition are

> 3. Choose calculation type

Example: filter on Created Date (datetime)

For numeric fields (data types **Number, Percent** and **Currency**) available operators are same as for Datetime above, and only **numeric values** are allowed for input.

If there are several conditions defined in the filter, one of them can be removed by clicking on the trash bin icon.

Step 3 – Choose calculation type

There are 3 types of a different calculation logic. It allows users to not only recalculate existing prices with the price operation from the first step, but also create new prices based on existing corporate prices and exchange rates defined in Salesforce:

✓ 3. Choose calculation type

Three types of different calculation logic can be selected

Choose how the calculation formula is applied:

- ☒ Evenly - all existing pricebook entries are recalculated using the defined formula. No exchange rates between currencies are taken into account. For example, if the calculation formula is "(OldPrice) * 1.05" and a product contains two pricebook entries: 100 EUR and 120 USD then the updated prices will be 105 EUR and 126 USD. It doesn't matter what exchange rate is defined between these two currencies.
- ☐ Based on corporate currency (updates existing pricebook entries only) - pricebook entry in corporate currency will be recalculated using the defined formula. Pricebook entries in other currencies are updated using exchange rates defined in Salesforce. For example, if the calculation formula is "(OldPrice) * 1.05" and a product contains two pricebook entries: 100 EUR and 120 USD, where EUR is the corporate currency and exchange rate between EUR/USD is 1 EUR = 1.1 USD. Then the price in EUR is updated using calculation formula to 105 EUR and the price in USD is updated using exchange rate to 115.5 USD. If a price in certain currencies is not defined, it is not updated nor added.
- ☐ Based on corporate currency (adds missing pricebook entries) - Logic is the same as the option above with only one difference in the execution: If a price in certain currencies is not defined, it is created using an existing exchange rate.

Calculation types:

- **Evenly** - all existing price book entries are recalculated using the defined formula. No exchange rates between currencies are taken into account. For example, if the calculation formula is "(OldPrice) * 1.05" and a product contains two price book entries: 100 EUR and 120 USD then the updated prices will be 105 EUR and 126 USD. It doesn't matter what exchange rate is defined between these two currencies.
- **Based on corporate currency (updates existing price book entries only)** – price book entries in corporate currency are recalculated using the defined formula. Price book entries in other currencies are updated using exchange rates defined in Salesforce. For example, if the calculation formula is "(OldPrice) * 1.05" and a product contains two price book entries: 100 EUR and 120 USD, where EUR is the corporate currency and exchange rate between EUR/USD is 1 EUR = 1.1 USD. Then the price in EUR is updated using calculation formula to 105 EUR and the price in USD is updated using exchange rate to 115.5 USD. If a price in certain currency is missing, it is not updated nor created.
- **Based on corporate currency (adds missing price book entries)** – logic for updating existing prices is the same as for the option above with one difference regarding missing price book entries: If a price in certain currency is missing, it is created using an existing exchange rate based on corporate currency.

The first type executes a basic update, but the second and third type can be really powerful and save users a lot of work when creating product prices. For example, users can define just one product price in corporate currency and run the third type of calculation. It will create prices in all remaining org currencies using current exchange rates.

Step 4 – Preview and start

Preview is an important step before starting the price update job and it helps finding possible mistakes in calculation or product filter.

✓ 4. Preview and start

Preview an example calculation applied to a latest product which meets defined filter criteria. If you are happy with the results, click "Start the update job" to confirm your choice and start the update task.

Note: This preview is not saved yet. It's just a preview to show how the calculation affects prices on a specific product. To execute and save the calculation, you need to start the update job. (Start button becomes available after preview)

Preview

Click Preview to see an example of applied calculations and verify if it's correct

After clicking on **Preview** button, the app finds the latest product which meets filter criteria (or the latest product overall if there is no filter defined) and shows an example of how prices would look like after update. This is a preview only, no updates are saved in Salesforce yet:

Preview for product **Vacuum Cleaner ABC123** Name of the product which is used in the preview below

(There are overall **1 products** which meet defined filter criteria and will be affected by this calculation after you start the job.)

Number of products which will be affected by the job

Pricebooks and Pricebook Entries overview for Vacuum Cleaner ABC123 before update:

Currency	Standard Price Book	Wholesale Pricebook
AUD	-	-
CAD	147.50	135.00
CZK	2527.00	2300.00
EUR	100.00	90.00
NOK	1166.44	1000.00
PLN	431.00	380.00
SEK	1152.00	1000.00
USD	105.34	95.50

Pricebooks and Pricebook Entries overview for Vacuum Cleaner ABC123 after update: Prices before and after the calculation

Currency	Standard Price Book	Wholesale Pricebook
AUD	-	-
CAD	162.25	148.50
CZK	2779.70	2530.00
EUR	110.00	99.00
NOK	1283.08	1100.00
PLN	474.10	418.00
SEK	1267.20	1100.00
USD	115.87	105.05

If you like the result displayed above, click "Start the update job" to confirm and start price update job for all affected products. Always consider creating a **backup** before mass updating records.

Enter your email for notification after job is finished

your@email.com

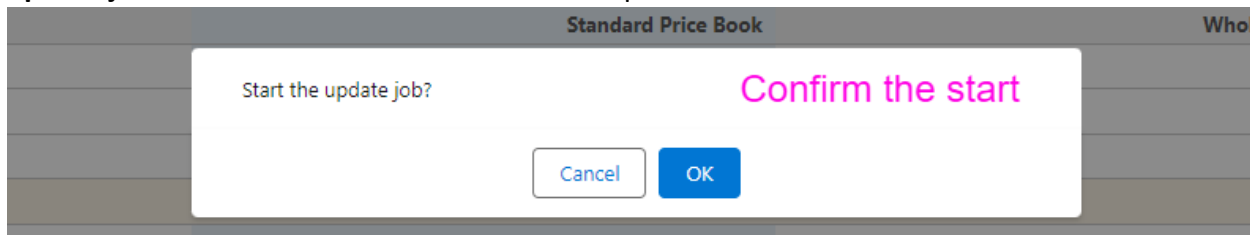
Start the update job

Reload page

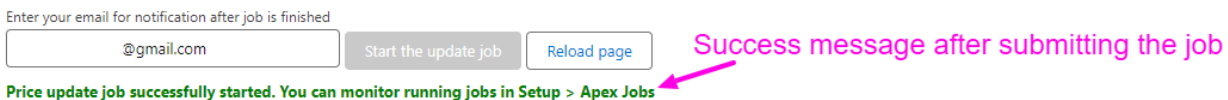
Start the price update job

Users can verify if prices after the calculation are correct, as well as the number of products affected by the update. The number of products calculated by the preview should match expected number of affected products, otherwise user should double check the filter condition.

If the preview looks correct, user can start the update by clicking on the button **Start the update job**. A confirmation window will show up to confirm the start:



A **success message** is displayed after confirmation:



This will schedule a batch job in Salesforce which will perform the price update. Users can monitor status of this job in **Setup > Apex Jobs**:

Apex Jobs Help for this Page

Monitor the status of all Apex jobs, and optionally, abort jobs that are in progress.

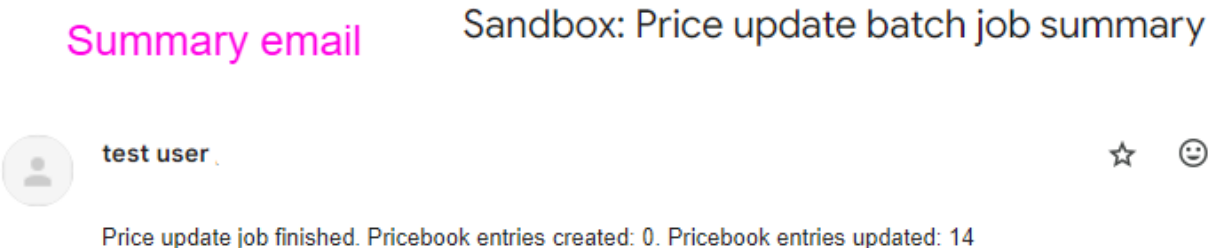
Percent of Asynchronous Apex Used: 0%
You have currently used 1 asynchronous Apex operations out of an allowed 24-hour organization limit of 250 000. To learn about how this limit is calculated and what contributes to it, see the [Lightning Platform Apex Limits](#) topic.

View: All [Create New View](#)

Action	Submitted Date	Job Type	Status	Status Detail	Total Batches	Batches Processed	Failures	Submitted By	Completion Date	Apex Class	Apex Method	Apex Job ID
	5. 12. 2024 12:38	Batch Apex	Completed		1	1	0	User_User	5. 12. 2024 12:38	PriceUpdateBatchJob		707KH00000NKqit

If there are many apex jobs in your org, look for the one with **Apex Class: PriceUpdateBatchJob**.

After the job is finished, a user who started the mass update will receive an email notification with a number of created and updated prices to the provided email address:



Note: Salesforce sends emails to **verified email addresses only**. If you didn't receive any summary email, double check the user profile of the user with this email address and confirm

that it was verified:

User Detail		Edit	Sharing	Reset Password	Login	Freeze	View Summary
Name	test user		email address must be verified				
Alias	tuser				User License	Salesforce	
Email	[redacted]@gmail.com		[Verified]		Profile	Standard Test User	
Username	[redacted]				Active	☒	

Data backup

This app doesn't create any backup of updated data automatically. It's highly recommended to create a backup of product prices before mass updating records. You can do it in Setup > Data Export, using Salesforce Data Loader, or any other tool you are familiar with.

Warnings and error messages

There are several warnings and error messages which a user can see mostly because of incorrect configuration:

- **Error: At least one price operation must be defined (with both operand and operator)** – if a user clicks Preview button without configuring at least one price operation, then this error message is displayed and no preview shows up. User needs to add a price operation and click the Preview button again:

1. Define calculation formula

2. Define product filter

3. Choose calculation type

4. Preview and start

Error if no price operation was defined

Error: At least one price operation must be defined (with both operand and operator)

Preview an example calculation applied to a latest product which meets defined filter criteria. If you are happy with the results, click "Start the update job" to confirm your choice and start the update task.

Note: This preview is not saved yet. It's just a preview to show how the calculation affects prices on a specific product. To execute and save the calculation, you need to start the update job. (Start button becomes available after preview)

Preview

- **Note: There were no prices recalculated on this product. Please make sure that starting the update job makes sense.** – this notification is displayed if the price manager finds out that no prices were changed in the preview (for example, if you define price operation "multiplication by 1"), or filtered products don't have any price, etc. This is a

notification only and doesn't stop you from starting the update job.

✓ 4. Preview and start

Preview an example calculation applied to a latest product which meets defined filter criteria. If you are happy with the results, click "Start the update job" to confirm your choice and start the update task.

Note: This preview is not saved yet. It's just a preview to show how the calculation affects prices on a specific product. To execute and save the calculation, you need to start the update job. (Start button becomes available after preview)

Preview

Preview for product **Vacuum Cleaner ABC123**

(There are overall **1 products** which meet defined filter criteria and will be affected by this calculation after you start the job.)

Pricebooks and Pricebook Entries overview for Vacuum Cleaner ABC123 **before update:**

Currency	Standard Price Book	Wholesale Pricebook
EUR	108.90	98.01
NOK	1270.25	1089.00

Pricebooks and Pricebook Entries overview for Vacuum Cleaner ABC123 **after update:**

Currency	Standard Price Book	Wholesale Pricebook
EUR	108.90	98.01
NOK	1270.25	1089.00

Same prices before and after

If you like the result displayed above, click "Start the update job" to confirm and start price update job for all affected products.

Always consider creating a **backup** before mass updating records.

Note: There were no prices recalculated on this product. Please make sure that starting the update job makes sense.

Notification

- **Error: You don't have permission ...** – when opening the Product Price Mass Update tab, the app checks if a user has all necessary permissions to start the job and update products and prices. If there are any permissions missing, the app shows an error message with list of missing permissions:



Product Price Mass Update

Update prices on multiple products with a defined formula

Define a calculation formula which will be applied to all Price Book Entries of a product. You can choose to apply the formula to all existing Products, or you can define a filter to select specific Products which meet certain criteria. Fill in sections below to start Product Price Mass Update.

Error: You don't have permission to update Products. You don't have permission to see Price Books. You don't have permission to see Prices. You don't have permission to update Prices. You don't have permission to create Prices.

- **No products in preview** – if a user can't see a preview after clicking on Preview button, but gets a message: There are overall **0 products** which meet defined filter criteria and will be affected by this calculation after you start the job, then the filter conditions might be too strict so no products meet them, or there are no products in Salesforce at

all. The start button is disabled in that case:

✓ 4. Preview and start

Preview an example calculation applied to a latest product which meets defined filter criteria. If you are happy with the results, click "Start the update job" to confirm your choice and start the update task.

Note: This preview is not saved yet. It's just a preview to show how the calculation affects prices on a specific product. To execute and save the calculation, you need to start the update job. (Start button becomes available after preview)

Preview for product

(There are overall **0 products** which meet defined filter criteria and will be affected by this calculation after you start the job.)

Enter your email for notification after job is finished

Installation

Install package

Multicurrency Price Manager is available for installation from Salesforce AppExchange:

<https://appexchange.salesforce.com/appxListingDetail?listingId=a0N4V00000IEUWGUA5>

Free trial period

Salesforce AppExchange provides 3 ways how you can test Multicurrency Price Manager for 30 days for free and decide whether it fits your needs:

- **Install in your org** – you can use a fully functional App for 30 days for free in your own org, with your own data. After this period you can purchase the App and continue using it.
- **Test Drive** – you can open a Test Drive org directly from AppExchange and see how the App looks like. However, Test Drive doesn't allow you to do any changes to any records. For that reason, you get a very limited read-only view, which doesn't allow you to update prices. This is a good option to get a first "feeling" of the App, but to explore its full potential, we recommend to install it in your org or start a new Trialforce org.
- **Trialforce org** – Salesforce AppExchange allows you to start a new Trialforce organization with sample data and a fully functional App already installed. You can use this org for 30 days for free.

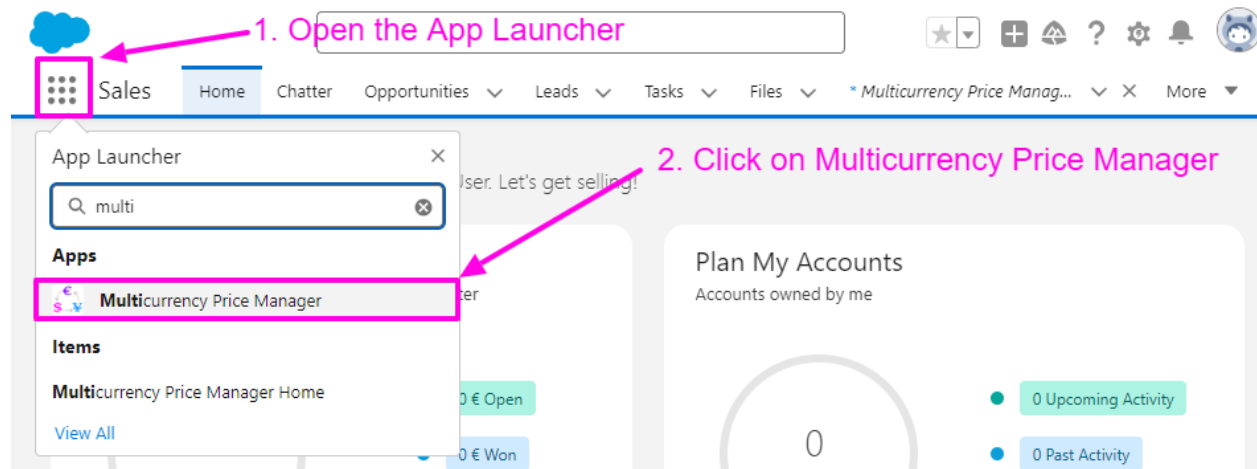
Assign permission set

There is a permission set **Multicurrency Price Manager User** which needs to be assigned to users to get access to the app.

Access the app from App Launcher

Users with the Multicurrency Price Manager permission set are able to access the app from the App Launcher in the top left corner of the page. Search and click on Multicurrency Price

Manager:



Add component to Product detail page

After the package was installed in an org, a new LWC component for price management is available in Lightning App Builder. By adding this component to Product record detail page you allow users to directly see and manage prices of the current Product, they don't need to go to the App and find the product there again.

In the Lightning App Builder, search for “product price manager” in the components section and it will filter out **Product Price Manager** component. Drag and drop it to a desired place on the Product record detail page:

