# JD Integration for Magento 2 User Guide

by CedCommerce Products Documentation

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# 1. Overview

JD.com is China's largest online retailer company by revenue. JD Integration for Magento 2 is an amazing integration that helps online retailers of Magento 2 to gain an opportunity to create an online shop where the merchants can list their products to sell on JD.com. It synchronizes inventory, price, and other details between the Magento 2 store and JD.com.

### **Key Features**

- **Bulk Product Upload:** This feature enables merchants to upload bulk products in one click by just selecting the products and upload at one go on JD.com.
- Multi-Account: You can manage multiple JD accounts and configure each of them individually.
- **Profile Based Product Upload:** In order to upload products on JD.com, the admin can create the profile can after assigning the products to the profile easily upload on JD.com.
- **Category Mapping:** Many categories of your Magento 2 store can be mapped to a single category of JD.com as it follows many to one category mapping methodology.
- Auto synchronization: Auto synchronization of inventory, price, orders, and product critical data between the Magento 2 store and JD.com at a regular interval of time.
- **Product Data Validation:** The extension enables to validate the product information in accordance with JD standards and value.

# 2. JD Extension Installation



You can do it manually (if you wish). Here's how to do so-

### To Install the Extension-

- 1. Log in the FTP, and then go to Magento 2 root folder (generally present under the public\_html folder).
- 2. Create a new folder named code under the app folder; under the code folder, create a folder named Ced.
   Upload or Drag and Drop app/code/Ced/jd directory.
  - Opioad of Drag and Drop app/code/Ced/jd directory.
     After successfully upleading the directory, the extension will be installed.
  - After successfully uploading the directory, the extension will be installed/upgraded.
  - $\circ~$  Now run the following upgrade command in cmd

php bin/magento setup:upgrade php bin/magento setup:di:compile php bin/magento setup:static-content:deploy -f php bin/magento indexer:reindex php bin/magento cache:flush • Once the extension is installed it appears in the main menu of the Magento panel.



# 3. Configuration

### To Configure the extension,

- 1. Go to the Magento 2 Admin panel.
- 2. On the left navigation bar, click on **JD Integration**. A menu appears as shown below:



3. Click on **Configuration**.

The **Configuration page** appears as shown below:

Configuration		Q 📣
Scope: Default Config 🖌 🕜		Save Config
	Jd Api Settings	0
	Jd Product Settings	9
	Jd Order Status	$\odot$
	Jd Global Settings	9
	Jd Inventory Rules	©
	Jd Cron Settings	9
	Jd Inventory Source Settings	0

- 4. Click on **JD Api Settings**.
  - The section is expanded as:

Jd Api Settings		$\odot$
Enabled [global]	Yes	•
Debug Log [global]	No	•
<ul> <li>5. Under JD Api Settings do the follow</li> <li>o In the Enabled box, select Y</li> <li>o In the Debug Log, select Y</li> </ul>	wing steps: <b>'es</b> to enable the configuration settings. es to create the logs.	

It captures the log for the debug process.

6. Now click on **JD Product Settings.** The section is expanded as:

Jd Product Settings		0
Jd Shipping Rates for Continental US [global]		
	Shipping Rates for US Continent eg : 10	
Jd Shipping Rates for Everywhere Else [global]		
	Shipping Rates for Everywhere Else eg : 10	

- 7. Under JD Product Settings, do the following steps:
  - In **JD Shipping Rates for Continental US**, enter the shipping rates of products for the US.
  - Under **JD Shipping Rates for Everywhere Else**, enter the shipping rates for products for other continents.
- 8. Now scroll down and click on **JD Order Status**. The section is expanded as:

Jd Order Status			6
Order Status [store view]	Please Select Order Status	•	
Order Fetch For Out Of Stock Product	Yes	Ŧ	
	Order Create for out of stock products		
Create New Product (if Not Exist) on the time of oreder creation	Yes	*	
	Create New Product If SKU not found in Magento Store on the time of Order Fetch		

- 9. Under JD Order Status, do the following steps:
  - In Order Status, select the status of the order from the dropdown menu.
  - In **Order Fetch for Out of Stock Product**, select **Yes** if you want to create an order for the products that are out of stock.
  - In Create New Product(if Not Exist) on the time of Order Creation, select Yes to create new products if it is not found in the Magento store.
- 10. Scroll down and click on JD global settings.

The section is expanded as:

Jd Global Settings			$\odot$
Please set the global settings for Jd.com			
Jd Product Price	Default Magento Price	•	
	Select to send a different product price to jd.com		·
Jd Order Id Prefix [global]			]
	Prefix for Jd Increment ID		

- 11. Under JD Global Settings, do the following steps:
  - In JD Product Price you can increase or decrease the price accordingly to display, for this do the following steps:-
    - Increase by Fixed Price: If selected, then the Modify by Fix Price field appears.
    - Increase by Fixed Percentage: If selected, then the Modify by Percentage Price field appears.

Enter the numeric value to increase the price of the **JD**, product price by the entered value % of Magento 2 price.

For Example, Magento 2 price + 5% of Magento 2 price. Magento 2 Price = 100 Select Increase By Fixed Percentage option Modify by Percentage Price = 5 100 + 5% of 100 = 100 + 5 = 105 Thus, JD Product Price = 105

- Decrease by Fixed Price: If selected, then the Modify by Fix Price field appears.
- Decrease by Fixed Percentage: If selected, then the Modify by Percentage Price field appears.

Enter the numeric value to decrease the price of the **JD** product price by the entered value % of Magento 2 price.

For Example, Magento 2 price -5% of Magento 2 price. Magento 2 Price = 100Select **Decrease By Fixed Percentage** option **Modify by Fix Price** = 5100 - 5% of 100 = 100 - 5 = 95Thus, JD Product Price = 95

- In **JD Order Id Prefix**, enter the unique id for JD orders.
- 12. Now click on the section JD Inventory Rules.

The section is expanded as:

0

Jd Inventory Rules		
Set Inventory on Basis of Threshold [global]	Enable	
	Choose yes to send inventory on jd by condition	
Inventory Threshold Value [global]		
	Set inventory quantity on which lesser and greater condition can control. ( $\_\mbox{Please}$ Enter Numeric Value )	
Send Inventory for Lesser Than Threshold Case [global]		
	Send Quantity to Jd for those products, whose inventory is LESSER than the inventory threshold. ( _Please Enter Numeric Value ) $% \left( $	
Send Inventory for Greater Than Threshold Case [global]		
	Send Quantity to Jd for those products, whose inventory is GREATER than or EQUAL to the inventory threshold. ( _Please Enter Numeric Value )	D



- 13. Under JD Inventory Rules, do the following steps:
  - In the **Set Inventory on Basis of Threshold** list, select the **Enable** option if required to set the inventory based on the threshold.
    - Note: Only when the admin selects Enable, the other fields appear.
  - In the Inventory Threshold Value box, enter the value which you consider to be the minimum for your inventory.
  - In the **Send Inventory for Lesser Than Threshold Case** box, enter the value that needs to be visible on JD in case your inventory is lesser than the threshold value that you have set in the earlier parameter.
  - In the Send Inventory for Greater Than Threshold Case box, enter the value that needs to be visible on JD in case your inventory is more than the threshold value that you have set.
     For Example:

Suppose you have set the threshold value of a product to be 500. You have set the greater than the threshold value to say 600 and the lesser than the threshold value to be 300.

Now you have 530 of that product in the inventory, then the number visible on JD would be 600. Suppose you sold 33 products and now the value is decreased to be 497 which is below the threshold. The value that will now appear on JD will be 300.

14. Scroll down and click on JD Cron Settings.

#### The section is expanded as:

Jd Cron Settings		
Jd Order Cron	Enable	*
1	Order Fetch Cron	
Jd Price Cron [global]	Enable	
	Price Sync Cron	
Jd Inventory Cron [global]	Enable	<b>v</b> .
	Inventory Sync Cron	

 $\odot$ 



15. Under **JD Cron Settings**, do the following steps:

- In the JD Order Cron list, select the Enable option to enable the fetch order cron.
- In the JD Price Cron list, select the Enable option to enable the price sync cron.
- In the JD Inventory Cron list, select the Enable option to enable the inventory sync cron.
- 16. Scroll down and click on JD Inventory Source Settings, the section is expanded as shown below:

d Inventory Source Settings				
Jd Inventory Source Mapping [giobal]	Enable			
	Enable for Map Inventory Source	e with Storeview		
Map Inventory Sources [global]	Inventory Source	Magento Store	Action	
	Add Source			
	Map your Inventory Sources w	with Magento Store using 'Add Source' [BETA]		

- 17. Under JD Inventory Source Settings do the following steps:
  - In Jd Inventory Source Mapping select Enable to map inventory source with storeview.
  - In Map Inventory Sources, map the JD inventory sources with the Magento store.
- 18. Click the **Save Config** button to save the entered values and information. The configuration will be saved

### 4. Manage Accounts

#### To manage accounts,

- 1. Go to the Magento 2 Admin panel.
- 2. On the left navigation bar, click on **JD Integration**. A menu appears as shown below:



3. Click on Manage Accounts.

The Accounts page appears as shown below:

Manage Accoun	ts				Q #0
				- Church	Add New Account
Actions	O records found			20 • per pag	e ( 1 of 1 )
==	ID i	Account Code	Account Name	Status	Action
		We cou	ldn't find any records.		

### 4. Click on Add New Account.

The Add New Account page appears as shown below:

New Account						٩	<b>AD</b>
			← Back	Delete	Reset	Save and Continue Edit	Save Account
ACCOUNT INFORMATION	Account Information						
Account info	Account Code *	For internal use. Must be unique with no spaces					
	Account Name *						
	Store View *	All Store Views					
	Account Status *	Disabled					
	Account Mode *	Live					
	Access Token ★						

- 5. Under Account Information, do the following steps:
  - In Account Code, enter the unique code for your account.
  - In Account Name, enter the name of the account.
  - In the **Store View**, select the view of the store.
  - In Account Status, select the status of the account.
  - In Account Mode, select the account mode as Live or Sandbox.
  - In Access Token, enter the token fetched from the seller account.
- 6. Click on the **Save Account** button. New Account will be created.

#### Submit Bulk Actions on the Account-

To Submit bulk actions on the accounts created you can do the following steps:

• To Delete selected accounts, click on the **Delete** option under the **Actions** menu.

Manage Accounts				Q 🐽
				Add New Account
Actions	0 records found		Filte	ers O Default View - 🏟 Columns - per page < 1 of 1 >
Disable	Account Code	Account Name	Status	Action
Enable	]	We couldn't find any records.		

The selected accounts will be deleted.

• To **Disable** selected accounts, click on the **Disable** option under the **Actions** menu.

Manage Accounts				Q 📣
				Add New Account
			Y Filte	rs 💿 Default View 🗸 🏠 Columns 🗸
Actions	0 records found		20 -	per page < 1 of 1 >
Delete	Account Code	Account Name	Status	Action
Enable		We couldn't find any records.		

The selected accounts will be disabled.

• To Enable selected accounts, click on the **Enable** option under the **Actions** menu.

Manage Accounts				۹ 🐽
				Add New Account
Actions	0 records found		₹ Fil	ters O Default View - Columns -
Delete	i Account Code	Account Name	Status	Action
Enable		We couldn't find any records.		

The selected accounts will be enabled.

### 5. Manage Profile

Product Profiling is a process of arranging similar types of products from a catalog and bundling them to perform multiple bulk actions.



Let's say you are selling Clothing – you create a profile labeled as Men's T-shirts and add all the t-shirts in the same profile. Now with product profiling, you have the feasibility to take actions such as bulk upload, alter the prices, edit details and even remove them in bulk with just a few clicks.

Admin can complete the following tasks:

• Add a new profile

- Edit the existing profile
- Submit Actions on the Manage Profile page

# 5.1. Add a New Profile

### To add a new profile,

- 1. Go to the Magento 2 Admin panel.
- 2. On the left navigation bar, click on **JD Magento 2 Integration**. A menu appears as shown below:

Jd Integration $~ imes~$
Jd Accounts
Manage Accounts
Jd Products
Manage Products
Manage Profile
Jd Orders
View Jd Orders
Configurations
Configuration
Extras
Jd Knowledge Base
Jd Cron Grid

3. Click on Manage Profile.

The Manage Profile page appears as shown below:

Manage Profile						۹ 🏚 📄
						Add New Profile
Actions	• 0 records found				Pilters     20     •   per pa	Default View     Columns     columns     columns
	ID .	Profile Name	Status	Account Id		Action
		We couldn't	find any records.			

#### 4. Click the Add New Profile button.

The New Profile creation page appears as shown in the following figure:

Add Profile				Q 💋	
				← Back Sat	ve
Information					
Enable Profile	Yes				
Profile Name *				]	
Mappings					$\odot$
Account *	Select		-	]	
Profile Category *	Select		-	1	
Please map all Jd attributes with Magento attributes.					
Jd Attribute Magento	Catalog Attribute		Default Value	Action	
Add Attribute					
Products					$\odot$
Search Reset Filter					
Actions				20 v per page < 1 of 1	2
Product Id <sup>1</sup> Product Name	Туре С	Category Status	Attrib. Set Name SKU	Price QTY	
Yes v From To		<u> </u>	•	From From To	

- 5. Under Information, do the following steps:
  - In Enable Profile, toggle the button to Yes for enabling the profile creation.
  - In **Profile Name**, enter the name of the profile. Note: Use the unique name to identify the profile.
- 6. Now under Mappings, do the following steps:
  - In Account, select the account for which you want to create the profile.
  - In Profile Category, select the category for the profile in which in want to assign the profile.
  - Then map all the JD attributes with the Magento attributes.
- 7. Under **Products**, all the products assigned to the profiles will be displayed. You can reset them by clicking on **Reset Filter.**
- 8. Click the Save button.

The profile is saved and listed on the Manage Profile page.

# 5.2. Edit Existing Profile

#### To edit an existing profile,

- 1. Go to the Magento 2 Admin panel.
- 2. On the left navigation bar, click on JD Magento 2 Integration.
- A menu appears as shown below:



3. Click on Manage Profile.

The Manage Profile page appears as shown below:



4. Scroll down to the required profile.

- 5. In the Action column, click Edit.
- 6. Make the changes as per the requirement.
- 7. Click the **Save** button.
  - The profile is saved and listed on the Manage Profile page.

# 5.3. Submit Bulk Actions on Profiles

#### To perform actions in bulk,

- 1. Go to the Magento 2 Admin panel.
- 2. On the left navigation bar, click on **JD Magento 2 Integration**. A menu appears as shown below:

Jd Integration $~ imes~$
Jd Accounts
Manage Accounts
Jd Products
Manage Products
Manage Profile
× •
Jd Orders
View Jd Orders
Configurations
Configuration
Extras
Jd Knowledge Base
Jd Cron Grid

3. Click on Manage Profile.

The Manage Profile page appears as shown below:

Manage Profile					Q 📫
					Add New Profile
Actions •	0 records found				Tilters     Default View     Columns       20     per page     1     of 1
ID ID	1	Profile Name	Status	Account Id	Action
		We couldn't	find any records.		

- 4. On this page, all the available profiles are listed.
- 5. Select the checkboxes associated with the required profiles.
- 6. Click the **Arrow** button next to the **Actions** field. The Actions list appear as shown in the following figure:

Actions	•
Delete	
Disable	
Enable	

- 7. In the Actions list, click Delete. The selected profiles are deleted.
- 8. To Disable the profiles, click on **Disable**.



- 9. The selected profiles will be disabled.
- 10. To enable the profiles, click on **Enable**.



11. The selected profiles will be enabled.

### 6. Manage Products

### To manage products,

- 1. Go to the Magento 2 Admin panel.
- 2. On the left navigation bar, click on **JD Integration**.

### A menu appears as shown below:

Jd Integration $~ imes$	
Jd Accounts	
Manage Accounts	
Jd Products	
Manage Products	
Manage Profile	
Jd Orders	
View Jd Orders	
Configurations	
Configuration	
Extras	
Jd Knowledge Base	
Jd Cron Grid	

#### 3. Click on Manage Products.

The Product Management page appears as shown below:

Jd Product	Listing										۹.	
Account View:	Primary Account 👻										Ba	ick To Profile
Actions	٠	0 records found								<b>▼</b> Filters 20 <b>▼</b> pe	<ul> <li>Default View -</li> <li>r page</li> </ul>	Columns -
	I Thumbnail	Name	Туре	SKU	Price	Visibility	Product Status	Quantity	Jd Status	Jd Listing Id	Validation	Actions
						We could	n't find any records.					

4. All the products will be displayed here in the grid.

### To perform bulk actions,

1. On the **Product Listing** page, In the **Actions** list, click the **Arrow** button. A list appears as shown in the figure:

Actions	-
Validate Products	
Image Replace	
Upload Products	
Sync Product Status	
Update Inventory/ Price	

- 2. Select the checkboxes associated with the required products.
- 3. To validate products, click on the Validate Products. Selected Products will be validated.
- 4. To replace the product images, click on **Image Replace**. The image will be replaced for the selected products.
- 5. To upload the products in bulk, click on **Upload Products**. The selected products will be uploaded.
- 6. To synchronise products status, click on **Sync Product Status**. The selected products status will be synced.
- 7. To update inventory and price, click on **Update Inventory/Price**. The inventory and price will be updated on the selected products.

# 7. Manage Orders

### To view JD Orders,

- 1. Go to the Magento 2 Admin panel.
- 2. On the left navigation bar, click on **JD Magento 2 Integration**. A menu appears as shown below:



3. Click on View JD Orders.

The Orders Page appears as shown below:

Orders O	Frid					Q	<b>10</b>
							Fetch New Orders
2012/01/						<b>Filters</b> Obfault View	w 🗸 🏘 Columns 🗸
Actions	0 records four	nd				20 • per page <	1 of 1 >
	Magento Order id	Merchant Order Id	Jd Order Id	Order Place Date 1	Jd Status	Account Name	Entity Id
			We couldn't fi	nd any records.			

4. To fetch new orders click on the **Fetch New Orders** button. The new orders will be fetched along with their details and displayed on the order grid.

### To Submit Bulk Actions,

1. To synchronize the status of the order, click on Sync Order Status under the Actions menu.

Actions	-
Sync Order Status	
Sync Failed Order	
Mark As Shipped	
Delete Order	

The order status will be synced for the selected orders.

2. To synchronize failed orders, click on Sync Failed Order under the Actions menu.



The selected failed orders will be synced.

3. To mark the orders as shipped, click on Mark As Shipped.



4. To delete orders, click on the **Delete Order** option under the **Actions** menu.



The selected orders will be deleted.

### 8. Cron Logs

### To manage crons,

- 1. Go to the Magento 2 Admin panel.
- 2. On the left navigation bar, click on **JD Integration**.

### A menu appears as shown below:

Jd Integration $~~ imes$	
Jd Accounts	
Manage Accounts	
Jd Products	
Manage Products	
Manage Profile	
Jd Orders	
View Jd Orders	
Configurations	
Configuration	
Extras	
Jd Knowledge Base	
Jd Cron Grid	

3. Click on **JD Cron Grid**. The **Cron Grid** appears as shown below:

Jd Cron Gr	id							۹ 📣
								Truncate
Actions		O records four	nd				Pilters     20	Default View - Columns -
	Id	Job Code	Status	Messages	Created At	Scheduled At	Executed At	Finished At
					We couldn't find any records.			

4. All the running crons along with its details will be displayed here.

# 9. JD Knowledgebase

### To view Help and Support

- 1. Go to the Magento 2 Admin panel.
- 2. On the left navigation bar, click on **JD Magento 2 Integration**. A menu appears as shown below:



### 3. Click Help and Support.

The JD Knowledge Base page appears as shown in the following:



- 4. Under **Documentation**, you have the link for JD Integration for Magento 2 User Guide.
- 5. Under Integration Documents from JD, you can refer to the JD Api Doc and JD seller panel.
- 6. You can also connect with us Via Tickets, Mail, or Skype with your queries about the integration.