

Radial Magento2 Connector for ROM Installation Guide

The Radial Magento2 Connector for ROM Installation Guide explains how to install and configure Phase 2.0, Version 1.0 of the connector used to integrate ROM with Magento2.

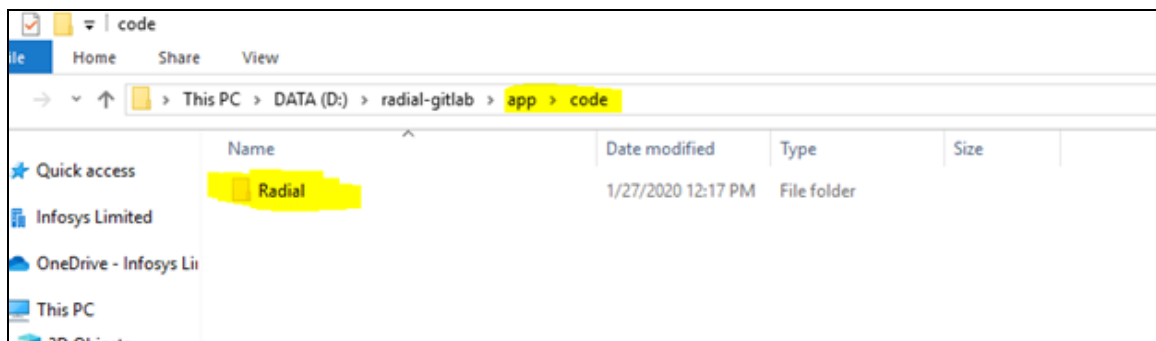
Module Installation Steps

1. Extract the downloaded archive into your `app/code/` folder of the Magento root directory. On a command line, enter:

1. `unzip folder.zip`
2. `tar -xvf folder.tgz`

A folder is created in the `app/code` folder named “Radial” (`app/code/Radial`). This folder contains the following modules:

- Inventory
- OrderManagement
- Product
- Rma
- RomCore
- Storepickup
- CronSchedule



```
File Edit View Search Terminal Help
[root@lvsn02magapp009 code]# ls
Radial
[root@lvsn02magapp009 code]# pwd
/opt/lampp/htdocs/radial/app/code
[root@lvsn02magapp009 code]# ls -latr
total 4
drwxrwxrwx. 5 root root 4096 Jan 14 10:31 ..
drwxrwxrwx. 3 root root 19 Jan 14 10:31 .
drwxrwxrwx. 8 root root 94 Jan 22 19:05 Radial
[root@lvsn02magapp009 code]#
```

2. On the command line (cmd) in the project root folder, run the following Magento CLI commands:

1. php bin/magento setup:upgrade

```
File Edit View Search Terminal Help
Module 'Magento_CatalogUrlRewriteGraphQL':
Module 'Magento_AynchronousOperations':
Module 'Magento_Ussf':
Module 'Magento_ConfigurableImportExport':
Module 'Magento_Cybersource':
Module 'Magento_VaultGraphQL':
Module 'Magento_Version':
Module 'Magento_GoogleTagManager':
Module 'Magento_VisualMerchandiser':
Module 'Magento_Swagger':
Module 'Magento_WebapiKey':
Module 'Magento_WebapiSecurity':
Module 'Magento_ElasticsearchCatalogPermissions':
Module 'Magento_SalesRuleSampleData':
Module 'Magento_Webgraphql':
Module 'Magento_Webstaging':
Module 'Magento_CatalogStagingPageBuilder':
Module 'Magento_WidgetSampleData':
Module 'Magento_GiftCardStaging':
Module 'Magento_WishlistAnalytics':
Module 'Magento_WishlistGraphQL':
Module 'Magento_MultipleWishlistSampleData':
Module 'Magento_Worldpay':
Module 'Amazon_Core':
Module 'Amazon_Login':
Module 'Amazon_Payment':
Module 'Dotdigitalgroup_Email':
Module 'Dotdigitalgroup_Enterprise':
Module 'Klarna_Core':
Module 'Klarna_Ordermanagement':
Module 'Klarna_Kp':
Module 'Magento_PaypalReCaptcha':
Module 'OSP_TwoFactorAuth':
Module 'Radial_Core':
Module 'Radial_CreditCard':
Module 'Radial_PayPal':
Module 'Radial_Payments':
Module 'Radial_Risk':
Module 'Radial_SaveCreditCard':
Module 'Teanando_Shipping':
Module 'Vertex_Fax':
Nothing to import.
```

2. php bin/magento setup:di:compile

```
mate Terminal
File Edit View Search Terminal Help
[root@lvs02magapp009 radial]# /opt/lampp/bin/php bin/magento setup:di:compile
Compilation was started.
Interception cache generation... 7/7 [=====] 100% 49 secs 436.0 MiB
Generated code and dependency injection configuration successfully.
[root@lvs02magapp009 radial]#
```

3. php bin/magento setup:static-content:deploy -f

```
mate Terminal
File Edit View Search Terminal Help
[root@lvs02magapp009 radial]# /opt/lampp/bin/php bin/magento setup:static-content:deploy -f

Deploy using quick strategy
frontend/Magento/blank/en_US      2476/2476      ===== 100% 18 secs
adminhtml/Magento/backend/en_US   3026/3026     ===== 100% 26 secs
frontend/Magento/luma/en_US       2493/2493     ===== 100% 28 secs

Execution time: 78.188869953156
[root@lvs02magapp009 radial]#
```

4. php bin/magento cache:flush

```
mate Terminal
File Edit View Search Terminal Help
[root@lvs02magapp009 radial]# /opt/lampp/bin/php bin/magento cache:flush
Flushed cache types:
config
layout
block_html
collections
reflection
db_ddl
compiled_config
eav
customer_notification
config_integration
config_integration_api
target_rule
full_page
config_webservice
translate
vertex
[root@lvs02magapp009 radial]#
```

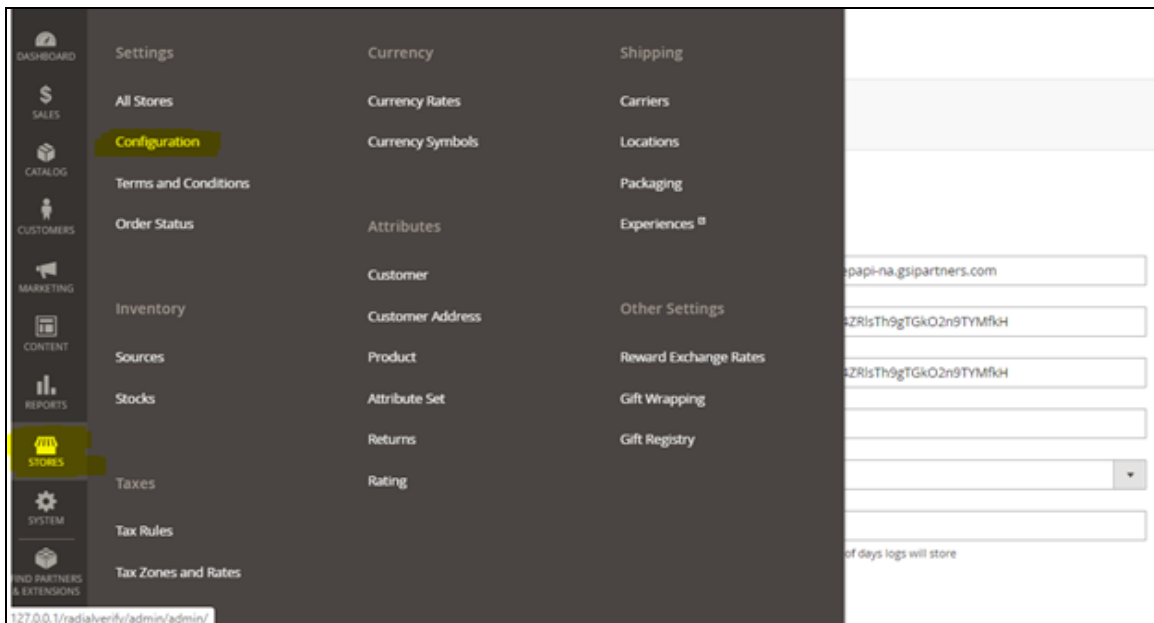
5. php bin/magento cache:clean

```
Mate Terminal
File Edit View Search Terminal Help
[root@lvsn02magapp009 radial]# /opt/lampp/bin/php bin/magento cache:clean
Cleaned cache types:
config
layout
block_html
collections
reflection
db_ddl
compiled_config
eav
customer_notification
config_integration
config_integration_api
target_rule
full_page
config_webservice
translate
vertex
[root@lvsn02magapp009 radial]#
```

6. `chmod -R 777 generated/ pub/static var/ var/log var/cache`



3. After installing the modules, log in to the magento backend.

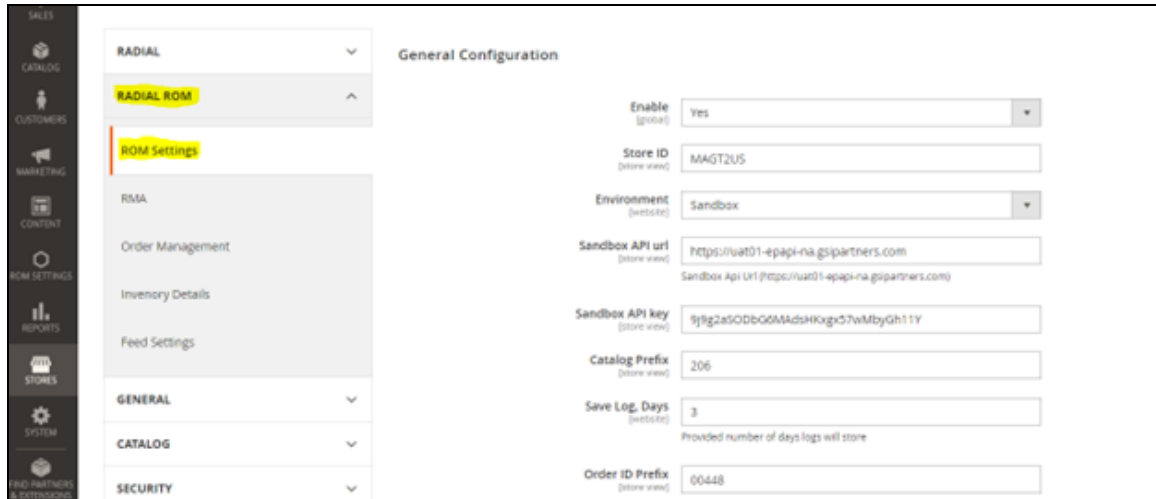


Radial ROM Core Admin Configuration

1. Navigate to the Radial ROM Tab on the Admin section:

Stores>Configuration

2. Navigate to Radial ROM>ROM Settings. The General Configuration screen appears.



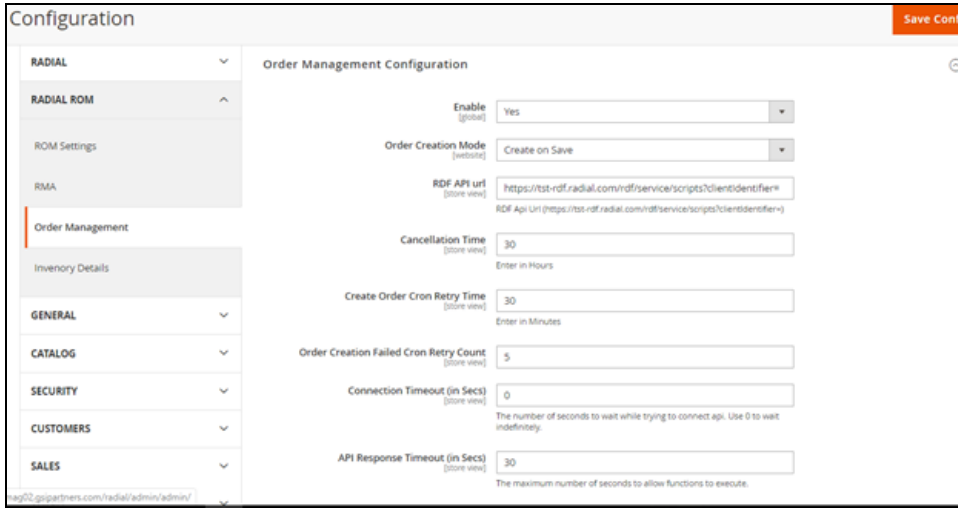
The screenshot shows the 'General Configuration' screen for Radial ROM. On the left is a navigation sidebar with icons for SALES, CATALOGS, CUSTOMERS, MARKETING, CONTENT, ROM SETTINGS, REPORTS, STORES, SYSTEM, and FIND PARTNERS & EXTENSIONS. The main content area is titled 'General Configuration' and contains several fields:

- Enable** (private): A dropdown menu set to 'Yes'.
- Store ID** (store view): A text input field containing 'MAGTZUS'.
- Environment** (website): A dropdown menu set to 'Sandbox'.
- Sandbox API url** (store view): A text input field containing 'https://uat01-epapi-na.gspartners.com'. Below it, a smaller text input field contains 'Sandbox Api Url (https://uat01-epapi-na.gspartners.com)'.
- Sandbox API key** (store view): A text input field containing '9j9g2a50Db06MadsHK0gX57wMbyGh11Y'.
- Catalog Prefix** (store view): A text input field containing '206'.
- Save Log Days** (website): A text input field containing '3'. Below it, a smaller text input field contains 'Provided number of days logs will store'.
- Order ID Prefix** (store view): A text input field containing '00448'.

3. In the Enable field, select Yes.
4. In the Store ID field, enter the ID provided by Radial.
5. In the Environment field, select either Sandbox or Production.
6. Enter the API URL in the Sandbox API URL field; for example, https://example.com/.
7. Enter the API Key for Sandbox or Production in the applicable fields. **Note:** Radial provides these keys.
8. Enter the Catalog Prefix provided by Radial.
9. Enter the number of days for Save Log Days; for example, 30.
10. Enter the Order Id Prefix provided by Radial.

Order Management Admin Configuration

1. Navigate to Stores>Settings>Configuration.
2. In the side panel, select Radial ROM>Order Management. The Configuration screen appears.



3. Enter the settings as needed. The following table describes the available settings.

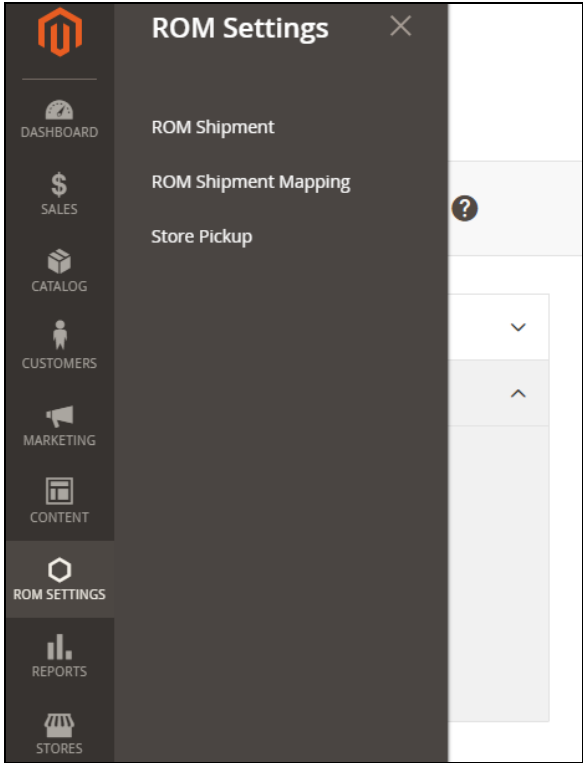
Setting	Description
Enable	Select Yes to enable the Order Management module. Select No to disable the module.
Order Creation Mode	To place orders in ROM through a CRON running every minute, select Create on Schedule. To place orders in

Setting	Description
	ROM at the same time that orders are created in Magento, select Create on Save.
Cancellation Time	Time limit in which an order can be cancelled, in minutes; for example, 30.
Order Creation Failed Cron Retry Count	If an order creation failed in ROM, a retry cron picks up the data tries to place the order, up to the specified number of times; for example, 5.
Create Order Cron Retry Time	Retry order cron picks the order to create in ROM only after the order is created in given minutes; for example, 30.
Connection Timeout	The number of seconds to wait while trying to connect. Use 0 to wait indefinitely.
API Response Timeout	The maximum number of seconds to allow API URLs to execute; for

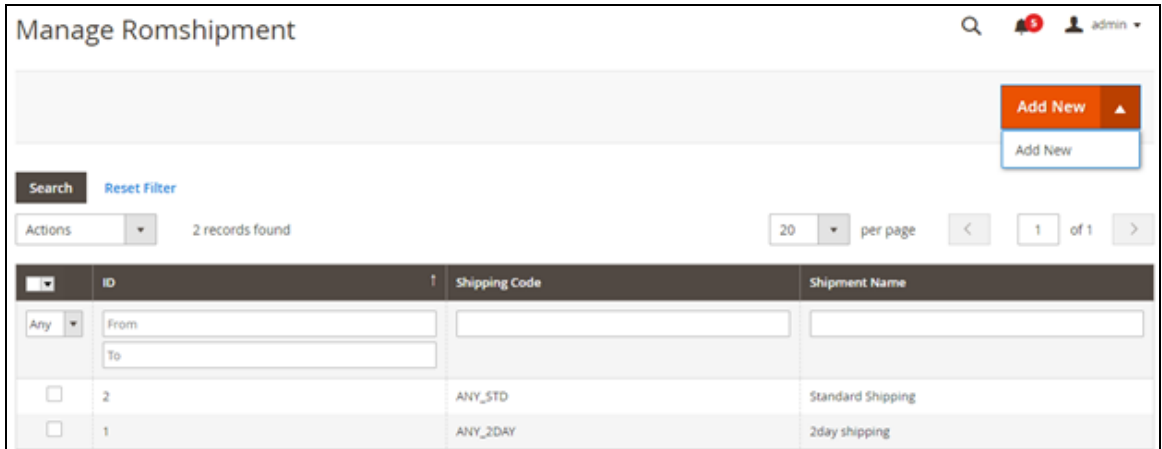
Setting	Description
	example, 30.

ROM Shipment Configuration

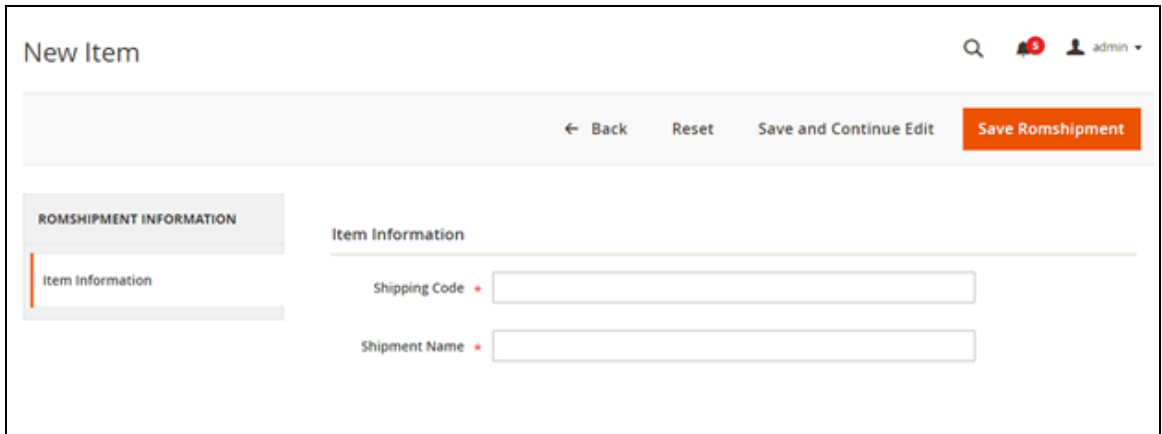
1. From the side menu, select ROM Settings>ROM Shipment.



Existing ROM shipping methods are listed.



2. To edit the name and code of an existing shipping method, click on the list.
3. To add a new shipping method, click Add New. The New Item screen appears.



4. Enter the new shipping method code and name.

ROM Shipment Mapping

Use ROM Shipment Mapping to map active Magento shipping methods to Radial shipping methods. The Radial shipping method is sent in the Create Order API based on the Magento shipping code.

1. From the side menu, select ROM Settings>ROM Shipment Mapping. The Romshipmentmapping screen appears.

Manage Romshipmentmapping

Search Reset Filter

Actions 2 records found 20 per page 1 of 1

ID	Magento Shipping Code	Radial Shipping Code
2	Free Shipping	2day shipping
1	Flat Rate	Standard Shipping

- To edit existing mappings, click on the mapping.
- To add a new mapping, click Add New. The New Item screen appears that displays the ROM Shipping Methods added through ROM Shipment.

New Item

← Back Reset Save and Continue Edit Save Romshipmentmapping

ROMSHIPMENTMAPPING INFORMATION

Item Information

Item Information

Magento Shipping Code * Flat Rate

Radial Shipping Code * 2day shipping

- Select the appropriate values from the Magento Shipping Code and Radial Shipping Code dropdowns. Based on the mapping, the corresponding Radial shipping method is assigned to the order in the Create Order API.

Inventory Admin Configuration

1. Navigate to Stores>Settings>Configuration.
2. From the side panel, select Radial ROM>Inventory Details. The ROM Inventory Settings screen appears. **Note:** This screen shows the default configuration settings.

RADIAL ▾

RADIAL ROM ▲

ROM Settings

RMA

Order Management

Inventory Details

Feed Settings

GENERAL ▾

ROM Inventory Settings

Enable ROM Inventory (website) Yes ▾

Enable Error messages (website) Yes ▾

XML URL (store view)
Set API xmlns url: http://api.gscommerce.com/schema/checkout/1.0

Connection Timeout (in Secs) (store view)
The number of seconds to wait while trying to connect api. Use 0 to wait indefinitely.

API Response Timeout (in Secs) (store view)
The maximum number of seconds to allow functions to execute.

3. Enter the settings as needed. The following table describes the available settings.

Setting	Description
Enable ROM Inventory	Enable the module to check inventory details.
Enable Error Message	To display error messages on the front end, select Yes.
XML URL	Radial API request attribute. The value is: http://api.gsicommerce.com/schema/checkout/1.0
API Response Timeout (in Secs)	The number of seconds to wait for the API response; for example, 0.
Connection Timeout (in Secs)	The number of seconds to allow functions to execute; for example, 30.

4. Save the configuration and flush the cache.

RMA Admin Configuration

1. Navigate to Stores>Settings>Configuration.
2. In the side panel, select Radial ROM>RMA. The Radial RMA Settings screen appears.

Radial RMA Settings

Enable Radial RMA [website] Yes

Order Type [store view] OMS

Store Type [store view] Channel

Source [store view] Webstore

Return Type [store view] Standard

Package Info Required [website] Yes

Return Info [store view]
 To return an item(s) by mail please select the item(s) and return reason from below. Once you've made your selections, Click the "Generate Return" button.
 Please allow upto 14 business days to process your return. Once Order has processed, the refund will be applied to your original form of payment within 4-7 business days from the date of

Connection Timeout (in Secs) [store view] 0
 The number of seconds to wait while trying to connect api. Use 0 to wait indefinitely.

API Response Timeout (in Secs) [store view] 30
 The maximum number of seconds to allow functions to execute.

- In the Enable Radial RMA field, select Yes. This selection enables the module and displays the return link on the Order View screen.
- Add the following values as listed in the requirements.

Value	Description
Order Type	The Order Type of the Radial RMA flow; for example, OMS.
Store Type	The Store Type of the Radial RMA flow; for example, Channel.
Source	The Source of the order; for example, Webstore.

Value	Description
Return Type	The type of the return; for example, Standard.
Package Info Required	Provides package information in the RMA Lookup. Radial recommends that you select Yes.
Return Info	<p>Information for the shopper on how to return items. For example:</p> <p>To return an item(s) by mail, select the item(s) and return reason. Once you've made your selections, click the "Generate Return" button.</p> <p>Please allow up to 14 business days to process your return. Once your order has processed, the refund will be applied to your original form of payment within 4-7 business days from the date of confirmation, but could take up to 30 days depending on your financial institution.</p>
API Response Timeout (in Secs)	The number of seconds to wait for the API reponse; for example, 0.
Connection Timeout (in Secs)	The number of seconds to allow functions to execute; for example, 30.

5. Save the configuration.

To create the Return Reason attribute:

1. Navigate to Stores>Attributes>Returns. The Reason to Return screen appears.

Is Default	Admin	Default Store View
<input type="radio"/>		Wrong Color
<input type="radio"/>		Wrong Size
<input type="radio"/>		Out of Service
<input type="radio"/>		Wrongly Ordered

2. Select radial_reason>Manage Options.
3. To add a new reason, click Add Reason and enter the reason in the new field.
4. When you're finished adding return reasons, click Save Attribute and flush the cache.

Feeds Admin Configuration

1. Navigate to Stores>Settings>Configuration.
2. In the left panel, select Radial ROM>Feed Settings. The following screenshot shows the default values.

The screenshot shows the 'Configuration' interface with a 'Save Config' button in the top right. On the left is a navigation menu with categories: RADIAL, RADIAL ROM, ROM Settings, RMA, Order Management, Inventory Details, Feed Settings, GENERAL, and CATALOG. The main area is divided into two sections:

- General Configuration:**
 - Enable (website): Yes
 - Host (global): tst02-xchange.gspt.net (with 'Use system value' checkbox)
 - User Name (global): MAGT2NA (with 'Use system value' checkbox)
 - Password (global): PMAGSOCL (with 'Use system value' checkbox)
 - SyncFilepath (global): /Inbox (with 'Use system value' checkbox)
- Product Mapping Values:**
 - Standard (global): GSI (with 'Use system value' checkbox)
 - Version (terminal): 5.21 (with 'Use system value' checkbox)

The following table describes the General Configuration settings and Product Mapping Values. Radial provides the values to be used.

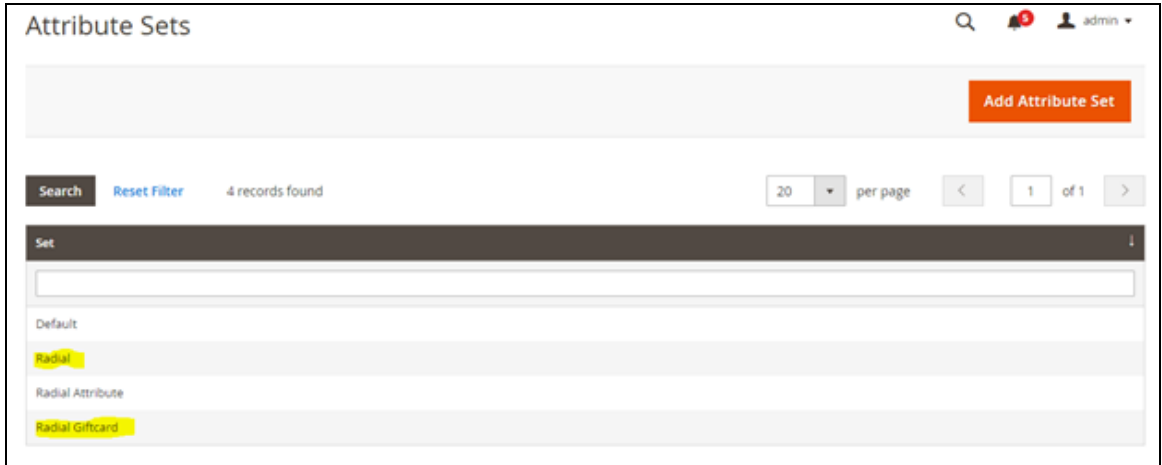
Configuration Settings	Description
Enable	Enable the feeds.
Host	SFTP mailbox host address
Username	SFTP mailbox host username
Password	SFTP mailbox host password
SyncFilepath	SFTP mailbox Radial feeds location. The default value is \InBox.

Configuration Settings	Description
	Radial may provide a different value; if so, update it.

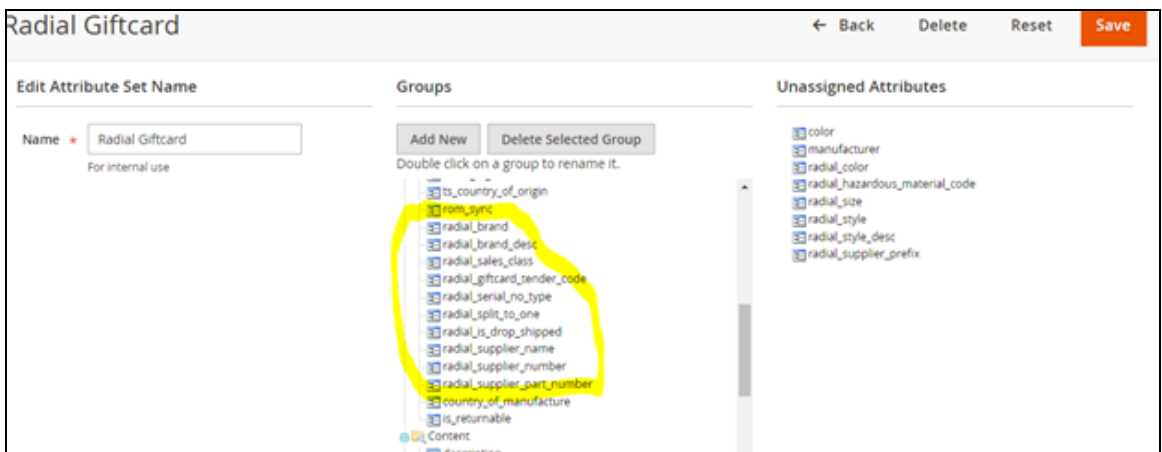
Product Mapping Value	Description
Standard	GSI
Version	5.2.1
VersionReleaseNumber	5.2.1
SourceID	MAGT2NA
Source Type	CLIENT
DestinationId	GIS
DestinationType	PH
Catalog Id	206
GSI Client Id	MAGT2NA
DeptNumber	403
SubDeptNumber	998
ClassNumber	1
SubClass	1

3. Save the configuration and flush the cache.

- To add radial required attributes to an attribute set for pushing item master feed, select Stores>Attributes>Attribute Set. The Attribute Set screen appears, listing the available attribute sets.



- Click the Radial attribute set name. The Radial Attribute screen appears.
- Add required attributes from right side to left side under the product details tab by dragging from right to left. Add below required attributes to the attribute set and save the details. These are required MERCH product type.
- Add required attributes for gift card product type as highlighted in the following screenshot.



Note: You can assign to existing attribute sets as well.

- Update above attributes data in the product. The following example illustrates the attributes for a messenger bag.

Push It Messenger Bag

← Back Add Attribute Save

Size (global) XS

Brand (global) Denim

Brand Description (global) Denim description

Style (global) jeans

Style Description (global) jeans description

Sales Class (global) stock

Hazardous Material Code (global) test

Color (global) Black

Country of Manufacture (website) India

Is Drop Shipped No

- To set up the Feeds cron settings, select System>Data Transfer>Feed Cron settings. The Feeds Cron Details screen appears.

Feed Cron Details

5 records found

20 per page 1 of 1

ID	Job	Schedule Type	Interval	Status	Message	Cron Last Execute Start	Cron Last Execute End	Cron HeartBeat Execute	Cron Next Execute	ExecuteTime	Run	Action
1	Item Master Feed	Minute	10	Completed		Jul 17, 2020 7:09:06 AM	Jul 17, 2020 7:09:06 AM	Jul 17, 2020 7:09:06 AM	Jul 17, 2020 7:19:06 AM	0	Run	Edit
3	Order Status Feed Update	Week	1	Completed		Jul 16, 2020 7:27:41 AM	Jul 16, 2020 7:27:42 AM	Jul 16, 2020 7:27:42 AM	Jul 23, 2020 7:27:42 AM	1	Run	Edit
4	ATP Delta Feed	Week	1	Completed		Jul 16, 2020 7:27:06 AM	Jul 16, 2020 7:27:41 AM	Jul 16, 2020 7:27:41 AM	Jul 23, 2020 7:27:41 AM	35	Run	Edit
5	ATP Full Feed	Day	1	Completed		Jul 17, 2020 2:32:06 AM	Jul 17, 2020 2:32:08 AM	Jul 17, 2020 2:32:08 AM	Jul 18, 2020 2:31:38 AM	2	Run	Edit
6	Facility Master Feed	Day	1	Completed		Jul 17, 2020 12:00:06 AM	Jul 17, 2020 12:00:07 AM	Jul 17, 2020 12:00:07 AM	Jul 18, 2020 12:00:00 AM	1	Run	Edit

- To edit a feed's cron details, click the Edit button in the applicable row. The following table lists the default configurations.

Feed	Schedule Type	Interval	Start Time	Example
Item Master	Day	1	Start day of cron job (cron runs daily based on the hours value in Start Time)	2020-05-12 02:00:42
Order Status	Minuttee	30	Start day of cron job	2020-05-12 02:00:42
ATP Delta	Minute	30	Start day of cron job	2020-05-12 02:00:42
ATP Full	Day	1	Start day of cron job (cron runs daily)	2020-05-12 02:00:42

Feed	Schedule Type	Interval	Start Time	Example
			based on hours value in Start Time)	
Facility Master	Day	1	Start day of cron job (cron will run daily based on hours value in Start Time)	2020-05-12 02:00:42

The following screenshot shows an example of editing a cron job.

← Back Save Cron

Job Code * itemmastersync

Schedule Type * Day ▾

Interval 1

Start Time 2020-05-12 02:0

Cron Last Execute At 2020-05-12 02:4

Cron HeartBeat Execute 2020-05-12 02:4

Cron Next Execute 2020-05-13 00:0

Schedule Status Completed ▾

11. To save your changes, click Save Cron.

Storepickup Admin Configuration

To enable store pickup, you must:

1. Configure the storepickup settings.
2. Enable storepickup for products.
3. Enable storepickup as a shipping method.

Configure Storepickup Settings

1. Navigate to Stores>Settings>Configuration.
2. From the side panel, select Radial ROM>Storepickup. The Configuration screen appears.

General Configuration

Enable Storepickup [store view] Yes

Store Configuration

Radius [store view]

Name	Miles	Action
20 miles	20	
30 miles	30	

Add

Google Api Key [store view] 4d6f694353454353443r

Proxy Pickup Title [store view] Pickup Person Details

3. In the Enable Storepickup field, select Yes.
4. In the Radius field, add mileage options to be displayed on Storepickup form. These values indicate the distance options that a shopper can choose from for picking up orders from a store.
5. In the Google Api Key field, enter the Google API key to find the nearest store.
6. In the Proxy Pickup Title field, enter the proxy pickup person details.

Enable Storepickup for Products

1. Navigate to Catalog>Products>Edit/Add Product.
2. In the Enable ISPU field, select Yes to show the storepickup option for that product.

Supplier Number [global] 1

Supplier Name [global] zorulu inc

Supplier Part Number [global] 1

Enable RMA [website] No Use Config Settings

Enable ISPU [global] Yes

3. Navigate to ROM Settings>Store Pickup. The Manage Stores screen appears.

Manage Stores

Add New Store

Filters Default View Columns Export

Actions 4 records found 20 per page 1 of 1

<input type="checkbox"/>	Facility ID	Facility Name	Facility Type	City	Zip Code	Email	Contact No	Created At	Action
<input type="checkbox"/>	MAGT2_JA-ST001	Radial Store 1	RETAIL_STORE	Houston	77076	murali.sura@infosys.com	8790704709	Jun 16, 2020 2:28:11 PM	Edit
<input type="checkbox"/>	MAGT2_JA-ST002	Radial Store 2	RETAIL_STORE	King of Prussia	19406	murali.sura@infosys.com	8790704709	Jun 17, 2020 8:49:56 AM	Edit
<input type="checkbox"/>	MAGT2_JA-ST003	Radial Store3	RETAIL_STORE	Clinton	50602	murali.sura@infosys.com	8790704709	Jun 22, 2020 11:35:33 AM	Edit
<input type="checkbox"/>	MAGT2_JA-ST004	Radial Store4	RETAIL_STORE	Clinton	50602	murali.sura@infosys.com	8790704709	Jun 22, 2020 12:17:40 PM	Edit

4. To add a new store, click Add New Store. The Add Store screen appears.

Add Store

Back Reset Save and Continue Edit Save

STORE INFORMATION

Store Details

Basic Details

Facility ID *

Facility Name *

Facility Type * RETAIL_STORE

Facility Rank

Local Name

Zone ID

Address Line1

Address Line2

Address Line3

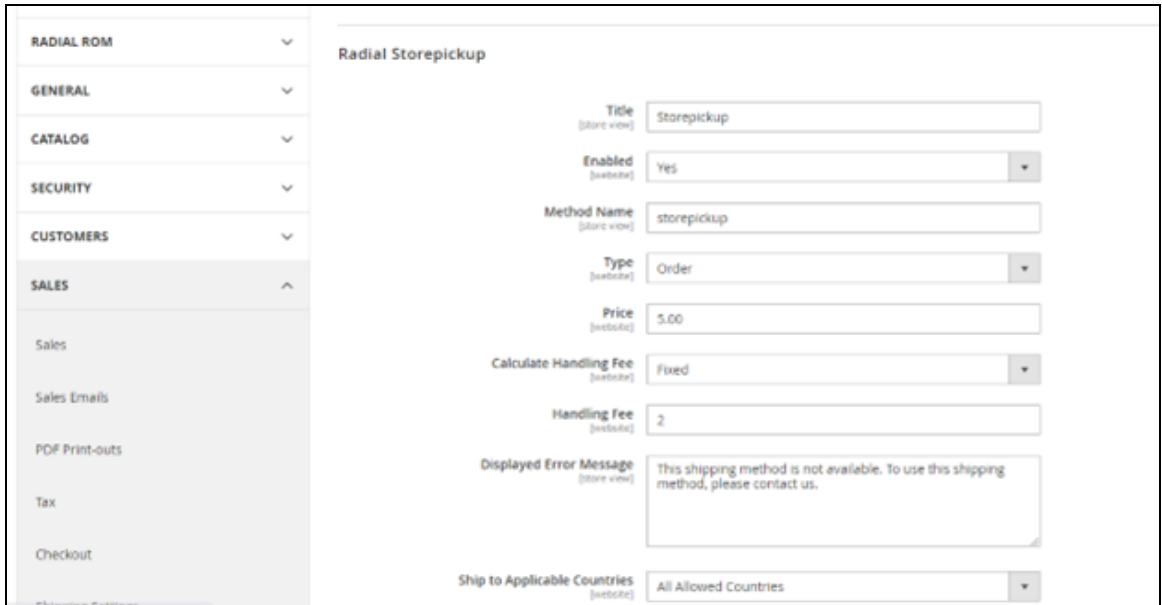
Address Line4

Country * Please Select

5. Complete the fields, then click Save.

Enable the Storepickup Shipping Method

1. Navigate to Stores>Configuration>Sales>Shipping Methods. The Radial Storepickup screen appears.



The screenshot shows a configuration interface for a shipping method named 'Radial Storepickup'. On the left, a sidebar menu is visible with categories: RADIAL ROM, GENERAL, CATALOG, SECURITY, CUSTOMERS, SALES (expanded), Sales, Sales Emails, PDF Print-outs, Tax, and Checkout. The main configuration area includes the following fields:

- Title** (store view): Storepickup
- Enabled** (website): Yes
- Method Name** (store view): storepickup
- Type** (website): Order
- Price** (website): 5.00
- Calculate Handling Fee** (website): Fixed
- Handling Fee** (website): 2
- Displayed Error Message** (store view): This shipping method is not available. To use this shipping method, please contact us.
- Ship to Applicable Countries** (website): All Allowed Countries

2. Complete the following fields:

- **Title:** Enter a name for the shipping method; for example, Storepickup.
- **Enabled:** To enable the Storepickup shipping method, select Yes.
- **Type:** Choose the type to calculate shipping fee; for example, Order.
- **Price:** Enter the price for the storepickup shipping method; for example, 5.00.
- **Handling Fee:** Enter the handling fee for Storepickup method; for example, 2.00.
- **Calculate Handling Fee:** Choose the handling fee calculation for storepickup method; for example, Fixed.