



CO·WELL
Behind your success

User Guide

Drupal Integration

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1. Drupal 8 Configuration

1.1 Enable Web Services modules

Go to **Admin > Extend > Web Services**

Enable all modules in Web Services section:

- HAL
- HTTP Basic Authentication
- RESTful Web Services
- Serialization

The screenshot shows the Drupal 8 Admin interface. At the top, there is a navigation bar with 'Back to site', 'Manage', 'Shortcuts', and 'admin'. Below this is a secondary navigation bar with 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', 'Reports', and 'Help'. The 'Extend' page is active, showing a list of modules. The 'Language' module is disabled (checkbox unchecked). The 'WEB SERVICES' section is expanded, showing four modules that are checked: 'HAL', 'HTTP Basic Authentication', 'RESTful Web Services', and 'Serialization'. Each module has a brief description. At the bottom left, there is a blue 'Install' button.

Module	Description
<input type="checkbox"/> Language	Allows users to configure languages and apply them to content.
<input checked="" type="checkbox"/> WEB SERVICES	
<input checked="" type="checkbox"/> HAL	Serializes entities using Hypertext Application Language.
<input checked="" type="checkbox"/> HTTP Basic Authentication	Provides the HTTP Basic authentication provider
<input checked="" type="checkbox"/> RESTful Web Services	Exposes entities and other resources as RESTful web API
<input checked="" type="checkbox"/> Serialization	Provides a service for (de)serializing data to/from formats such as JSON and XML

[Install](#)

1.2 Create REST API view

Go to **Admin > Structure > Views > Add View**

In this step, please do these following settings:

- Select type of Content in View Settings section (Article)
- Enable Provide a REST export
- Input the REST export path: ***/api/v1/articles***

Click **Save and edit** to edit the REST export data

[Home](#) » [Administration](#) » [Structure](#) » [Views](#)

VIEW BASIC INFORMATION

View name *
Magento 2 Connect Machine name: magento_2_connect [Edit]

Description

VIEW SETTINGS

Show: Content ▼ of type: Article ▼ tagged with: sorted by: Newest first ▼

PAGE SETTINGS

Create a page

BLOCK SETTINGS

Create a block

REST EXPORT SETTINGS

Provide a REST export

REST export path

Save and edit **Cancel**

In the next step, set display settings:

Displays

REST export* [+ Add](#)

Display name: REST export

TITLE Title: None	PATH SETTINGS Path: /api/v1/articles Authentication: basic_auth Access: None
FORMAT Format: Serializer Settings Show: Fields Settings	HEADER The selected display type does not use header plugins
FIELDS Add ▼ Content: ID Content: Title Content: Body Content: Link to Content Content: Image Content: Changed	FOOTER The selected display type does not use footer plugins
FILTER CRITERIA Add ▼ Content: Published (= Yes) Content: Content type (= Article)	NO RESULTS BEHAVIOR The selected display type does not use empty plugins
SORT CRITERIA Add ▼ Content: Authored on (desc)	PAGER Items to display: Display all items All items

[Save](#) [Cancel](#)

Specify settings for FIELDS section:

- ID : set Default
- Title : set Default

- Body

Configure field: Content: Body

Appears in: page, article.

Create a label

Exclude from display

Enable to load this field as hidden. Often used to group fields, or to use as token in another field.

Column used for click sorting

summary ▼

Used by Style: Table to determine the actual column to click sort the field on. The default is usually fine.

Formatter

Summary or trimmed ▼

Trimmed limit *

180 characters

If the summary is not set, the trimmed *node.body* field will end at the last full sentence before this character limit.

- Link to Content

Configure field: Content: Link to Content

Provide a view link to the Content.

Create a label

Exclude from display

Enable to load this field as hidden. Often used to group fields, or to use as token in another field.

Output the URL as text

Use absolute link (begins with "http://")

Enable this option to output an absolute link. Required if you want to use the path as a link destination.

- Image

Configure field: Content: Image

Appears in: article.

Create a label

Exclude from display

Enable to load this field as hidden. Often used to group fields, or to use as token in another field.

Column used for click sorting

target_id ▼

Used by Style: Table to determine the actual column to click sort the field on. The default is usually fine.

Formatter

URL to image ▼

Image style

None (original image) ▼

[Configure Image Styles](#)

-
Changed

Configure field: Content: Changed

The time that the node was last edited.

Create a label

Exclude from display

Enable to load this field as hidden. Often used to group fields, or to use as token in another field.

Formatter

Default ▼

Date format

Custom ▼

Custom date format

Y-m-d H:i:s

See [the documentation for PHP date formats](#).

Time zone

UTC ▼

2. Magento 2 Store configuration

Go to **Stores > Configuration > CO-WELL EXTENSIONS > Drupal Integration**

The screenshot displays the Magento 2 Stores Configuration interface. On the left is a vertical navigation menu with icons and labels for SALES, CATALOG, CUSTOMERS, MARKETING, CONTENT, REPORTS, and STORES. The main content area shows the 'Store View' set to 'Default Config'. Below this, a list of configuration sections is shown: GENERAL, CO-WELL EXTENSIONS (which is expanded to show 'Drupal Integration'), CATALOG, CUSTOMERS, and SALES.

Store View:	Default Config ▼	?
GENERAL	▼	
CO-WELL EXTENSIONS	▲	
Drupal Integration		
CATALOG	▼	
CUSTOMERS	▼	
SALES	▼	

2.1 General Configuration

Enable Module [store view]

Server URL (without last slash) [store view]

API path [store view]
 Api path you configure on Drupal 8 site.

Use authentication [store view]

Username / ID [store view]

Password [store view]

Article synchronization frequency [global]
 Minute(s).

Enable Module	Enable module option
Server URL	URL of drupal server (without last slash)
API path	REST export path from Drupal setting
Use authentication	Use Drupal's authentication option
Username / ID	Drupal Username / ID
Password	Drupal user's Password / Secret
Article synchronization frequency	Setting time period for crontab run for synchronized articles from drupal's server to DB Magento

2.2 Drupal 8 Content fields mapping

Admin needs to identify which fields are used for reading Drupal article's content in Magento 2. These fields are pre-defined with **Article** type in Drupal 8 by default. Admin can change them if the selected **Content Type** in **REST API view in Drupal** is not **Article**.

ArticleID Key <small>[store view]</small>	<input type="text" value="nid"/>
Title Key <small>[store view]</small>	<input type="text" value="title"/>
Summary Key <small>[store view]</small>	<input type="text" value="body"/>
Image Key <small>[store view]</small>	<input type="text" value="field_image"/>
URL Key <small>[store view]</small>	<input type="text" value="view_node"/>
Modified Date Key <small>[store view]</small>	<input type="text" value="changed"/>

ArticleID Key	Content Type ID field from Drupal
Title Key	Content Type Title field from Drupal
Summary Key	Content Type Summary field from Drupal
Image Key	Content Type Image field from Drupal
Url Key	Content Type Url field from Drupal
Modified Date Key	Content Type Change time field from Drupal

2.3 Content Settings

Maximum number of articles shown on
Category page
[store view]

Maximum number of articles shown on
Product page
[store view]

Article Description Length
[store view]
Count by words

Number of products on Article page
[store view]

Enable Slider
[store view]

Article URL Prefix
[store view]

Article URL Suffix
[store view]
You need to refresh the cache.

Maximum number of articles shown on Category page	The number of articles which is displayed in Product Category page
Maximum number of articles shown on Product page	The number of articles which is displayed in Product page
Article Description Length	The limit of words for article description in article listing
Number of products on Article page	The number of products which is displayed in article page
Enable Slider	Enable articles slider in product page
Url Path Prefix	Url path prefix for Article link
Article URL Suffix	Article URL Suffix

2.4 Sitemap Options

Frequency [store view]

Priority [store view]

Valid values range from 0.0 to 1.0.

The Article sitemaps merges with default Magento 2 sitemap.

Frequency	Frequency for indexing in sitemap
Priority	Priority for indexing in sitemap

3. How it works

3.1 Import all articles from Drupal

First of all, after setting up Drupal API Connection, admin must transfer all articles from Drupal to Magento 2 by following those steps:

- Use SSH to connect to Magento 2 server
- Go to Magento 2 root folder
- Run import command: ***php bin/magento drupal:import***

This command imports all mapped content fields in **Drupal 8 Content fields mapping** setting.

3.2 Add related articles for product in Backend

Go to **Catalog > Products > Add new** or **Edit product > Drupal Integration Tab > Add Related Articles**

Admin can filter & sort articles by:

Related Article(s) ✕

Cancel Add Selected Articles

Filters



Article ID Changed Date Title Summary

from from

to to

Cancel Apply Filters

2 records found (26 selected) 20 per page < 1 of 1 >

<input type="checkbox"/>	Article ID	Image	Title	Summary	Changed Date ↑	Actions
<input type="checkbox"/>	42		Apple MacBook Air review: the new default Mac	The MacBook Air has a relatively unusual mix of hardware for 2018. It only has one choice of processor, an eighth-generation Intel Core i5 processor, but it isn't the same quad-core U-series processor available in the 13in MacBook Pro with Touch Bar, instead it is a dual-core Y-series chip.	Jan 31, 2019 10:32:42 AM	View
<input type="checkbox"/>	43		Dell Laptops - 2018 Brand Review and Rating	Does Dell make good laptops? See Dell's brand ranking and where Dell placed in Laptop Mag's Best and Worst Laptop Brands	Jan 31, 2019 10:01:56 AM	View

- Article ID
- Changed time
- Article Title
- Article Summary



After select the articles, click **Add Selected Articles** to go back the product page in backend. All selected articles will be listed. Admin can remove or reorder the articles then save product.

Related Articles

Related articles are shown in product page and category page.

[Add Related Article\(s\)](#)

< 1 of 1 >

Article ID	Image	Title	Summary	Changed Date	Actions
43		Dell Laptops - 2018 Brand Review and Rating	Does Dell make good laptops? See Dell's brand ranking and where Dell placed in Laptop Mag's Best and Worst Laptop Brands	Jan 31, 2019, 10:01:56 AM	Remove
42		Apple MacBook Air review: the new default Mac	The MacBook Air has a relatively unusual mix of hardware for 2018. It only has one choice of processor, an eighth-generation Intel Core i5 processor, but it isn't the same quad-core U-series processor available in the 13in MacBook Pro with Touch Bar, instead it is a dual-core Y-series chip.	Jan 31, 2019, 10:32:42 AM	Remove

3.3 Product Category page

In the product category page, the latest related articles of products in the current category will be listed and limited by **Maximum number of articles shown on Category page setting**

[Home](#) > [Gear](#) > [Watches](#)

Watches

Shopping Options



9 Items

- CATEGORY 
- PRICE 
- MATERIAL 



Related Articles

 [LAPTOP DELL](#)
Laptop Dell Vostro 14
3468 Core i5 ...

 [MACBOOK AIR](#)
Macbook Air 13.3
(MQD32SA/A) ...

Didi Sport Watch
★★★★☆ 2 reviews
\$92.00

Clamber Watch
★★★★☆ 3 reviews
\$54.00

3.4 Product page

In product page, the related articles will be displayed and limited by **Maximum number of articles shown on Product page** setting in **Related Articles** tab.



Image

Aim Analog Watch



2 Reviews

[Add Your Review](#)

\$45.00

IN STOCK

SKU#: 24-MG04

Qty



1

[Add to Cart](#)

[ADD TO WISH LIST](#)

[ADD TO COMPARE](#)

[EMAIL](#)

Details	More Information	Reviews (2)	Related Articles
			
MACBOOK AIR	LAPTOP DELL		
Macbook Air 13.3 (MQD32SA/A) ...	Laptop Dell Vostro 14 3468 ...		

3.5 Article page

In article page, related products will be listed and limited by **Number of products on Article page** setting. Customer can add the related products to cart directly in this page without going to product page

Home > MACBOOK AIR & Watch article

MACBOOK AIR & Watch article



Ten years ago today, I was in the audience when Jobs introduced the Air. I was skeptical at the time (the work I was doing "required" the power of a full-sized laptop. At the time, I was lugging around a 17" MacBook Pro) but now I love my Air, especially when I travel. Ten years ago today, I was in the audience when Jobs introduced the Air. I was skeptical at the time (the work I was doing "required" the power of a full-sized laptop. At the time, I was lugging around a 17" MacBook Pro) but now I love my Air, especially when I travel. Ten years ago today, I was in the audience when Jobs introduced the Air. I was skeptical at the time (the work I was doing "required"

the power of a full-sized laptop. At the time, I was lugging around a 17" MacBook Pro) but now I love my Air, especially when I travel.

Related Products



Aim Analog Watch

★★★★☆ 2 reviews

\$45.00

Add to Cart

Compare Products

You have no items to compare.

4. Page cache management

Full page caching is applied to all pages by default. Please **refresh** the **Page Cache** in backend for displaying the latest article's data from the Drupal site as following steps:

- Go to **Admin > System > Cache Management**
- Select **Page Cache** type
- Select **Refresh** action
- Click **Submit**



	Cache Type	Description	Tags	Status	
	<input type="checkbox"/>	Integrations API Configuration	Integrations API configuration file	INTEGRATION_API_CONFIG	ENABLED
1	<input checked="" type="checkbox"/>	Page Cache	Full page caching	FPC	ENABLED
	<input type="checkbox"/>	Web Services Configuration	REST and SOAP configurations, generated WSDL file	WEBSERVICE	ENABLED
	<input type="checkbox"/>	Translations	Translation files	TRANSLATE	ENABLED