TecDoc module for PrestaShop v4.4.0

Developed by IT PREMIUM OÜ. Last updated in January 2025.

Our module enables easy native integration of the complete TecDoc catalog into your PrestaShop store.

1.Primary features

Transform your automotive venture with our PrestaShop TecDoc module, the exclusive module that seamlessly connects to the official TecDoc API.

API integration

Easily connect to the official TecAlliance TecDoc API with our module by simply entering your API credentials into the configuration.

Stable & durable

Crafted with a focus on seamless performance, our module is designed to effortlessly manage large databases with high efficiency and reliability.

Configurable

Tailor the module to fit your specific business requirements.

Price management

Our system offers the flexibility to easily adjust margin and discount rules according to your preferences, providing you with greater control over pricing strategies.

Import manager

Effortlessly import data from various file formats including CSV, XML, XLS, XLSX, and ODS, ensuring seamless compatibility with your existing data sources.

Widgets

Pre-made widgets are available for effortless integration at multiple locations within your PrestaShop platform, providing convenient customization options for your storefront.

Custom articles

Leverage stock data to automatically generate custom articles in cases where the desired item is not available in TecDoc, ensuring a seamless and comprehensive product offering for your customers.

Sales KPI

Shows overall sales information of TecDoc products, comprehensively.

2.Additional features

Additional functionalities can vary based on your region and the specific terms outlined in your TecAlliance agreement.

Search by plate number

In some countries you can search vehicles by their plate number.

Search vehicle by VIN

To utilize the VIN search, ensure it's included in your TecAlliance agreement.

3.Minimum requirements

Please ensure that these minimum requirements are met for our module:
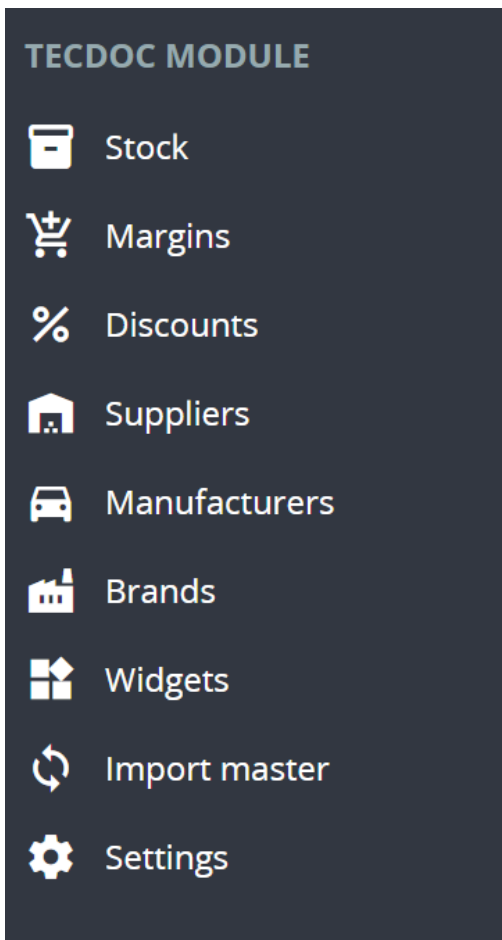
1. An active agreement with TecAlliance is essential.

2. Must meet PrestaShop CMS's minimum requirements.

3. Requires PHP 8.1 or higher.

4. Requires PrestaShop 8.1 or higher.

5. IonCube extension must be enabled.

4.Installation

If you want to install module by yourself then please follow default PrestaShop module installation procedure as described here - https://addons.prestashop.com/en/content/13-installing-modules
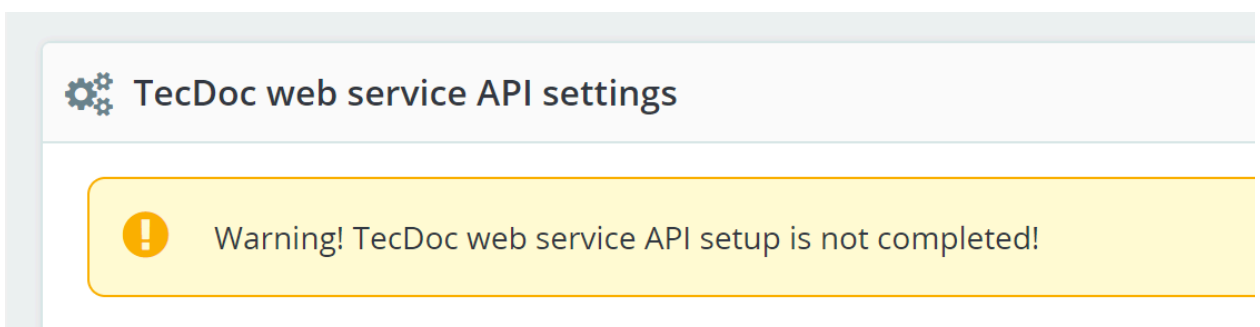
Upon completion of the installation process, you'll find a menu located on the right side, serving as the primary navigation for the entire module. Basic configuration is **mandatory** after installation.

TECDOC MODULE

- Stock
- Margins
- Discounts
- Suppliers
- Manufacturers
- Brands
- Widgets
- Import master
- Settings

5. Setup & configuration

Following installation, it is essential to complete basic mandatory configuration tasks, such as defining API keys, specifying country and language code. If your configuration is incomplete or incorrect, you'll receive a notice stating "**Module is not fully configured. Please update module settings!**"

TecDoc web service API settings

⚠ Warning! TecDoc web service API setup is not completed!

Please navigate through each section displaying this message and apply the appropriate fixes accordingly.

5.1. TecDoc web service API settings

To initiate the connection between the module and the TecDoc web service, you need to specify the "**Provider ID**", "**API key**", and "**Default Language Code**". These credentials should be provided to you by your TecAlliance representative. Once entered, click on the "**Save**" button to proceed.

After saving these credentials, you can get available countries and languages from TecDoc by clicking on the "**Update Countries**" and "**Update Languages**" buttons.

* API key	
	To specify the API key for the TecDoc web service, please prov
* Country	Eesti ▾
	Please select the country for the TecDoc web service. To obtai provider ID and API key before proceeding.
* Default language code	et
Cache API responses	⬤ Yes
	Cache API responses to improve performance. Cache expirati on your server. To clear cache, please click on the Clear Api C Setup" section.

Check web service connection	Update countries	Update languages	Clear API cache

After clicking these buttons, assuming the provided credentials are correct, you should notice that the "**Country**" selection is now populated with data. Select the desired country from the list and proceed to click "**Save**."

To check the web service connection, simply click on the "**Check Web Service Connection**" button.

Please
provid

* Default language code   et

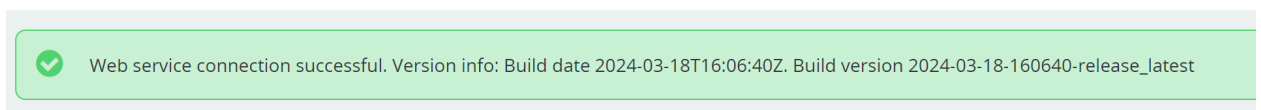Cache API responses

Cache
on you
Setup'

| Check web service connection | Update countries | Update languages | Clear API |

If everything is configured correctly, you will receive a message confirming a successful connection, good job!

✓ Web service connection successful. Version info: Build date 2024-03-18T16:06:40Z. Build version 2024-03-18-160640-release_latest

Default language code
The default language code field also serves as a language fallback mechanism. In situations where you attempt to access the TecDoc catalog in a language that isn't supported by your TecDoc agreement, this language code will be employed instead.

Cache API responses
You can choose to enable a feature to cache API responses according to your preference. This feature can enhance module performance, particularly in scenarios involving redundant queries, such as sorting or filtering.

Cache expiration is set at 6 hours. Please keep in mind that caching might consume a significant amount of disk space on your server. To clear cache, please click on the "**Clear Api Cache**" button below. For automatic cache clearing, set up a CRON task as described in the "**Scheduled Task Setup**" section.

5.2. Main settings

Default catalog category
The chosen category will serve as a link to the TecDoc module's root page. Additionally, all

products created by the module will be assigned to that category. This allows you to direct customers to the TecDoc catalog by providing a category link.

Tax rules group
Articles sourced from TecDoc will use the selected tax rules group for their tax conditions.

Theme
Select one of the available options for the front office theme. If you plan to use our module with a colored background, the Classic option may be appropriate. Otherwise, we recommend the Modern option. You can easily override these themes by creating the corresponding files in your active theme folder.

5.3. Manufacturers settings

Show alphabetical filter
Define whether the alphabetical filter should be displayed in the front office.

Show manufacturers logo
Define whether the manufacturer's logo should be displayed in the front office.

5.4. Model series settings

Minimal model year
Specify the minimum model year that will be visible in the front office. Please note that some models in TecDoc may have incomplete information about their manufacturing date. Such models will not be filtered out.

Group model series
By default, model series from TecDoc are not grouped. However, you have the option to enable a feature to attempt to group model series based on their model line. It's important to note that this feature is currently experimental and may produce inaccurate results. It uses the longest part of the string as an argument for grouping.

5.5. Vehicles settings

This section is related to the linkage target types in TecDoc, you may choose whether you want to display certain of these types in the front office or not.

5.6. Articles settings

Search number type
Define article search number type. This setting directly affects the behavior of the TecDoc module search on the front office.

Deposit product name
Name for deposit product which will be visible in cart and in orders.

Articles per page
Number of articles displayed per page.

Include customer groups discount
Consider the discount rates (in PrestaShop settings) of customer groups into the calculation of article prices.

Show custom articles
Custom articles are created from stock records. With this option, you can generate stock records for articles that do not exist in TecDoc, and they will be displayed in the search results.

Sync stock quantities with order statuses
Based on order status, increment or decrement quantity value of stock record. Quantity value is being reserved for the order.

Show articles without availability
Show articles that do not have any stock information available.

Allow availability requests
Enable the option to allow availability requests for articles even when there is no available stock.

E-mail for availability requests
Specify the email address to which availability request emails should be sent.

5.7. Facets settings

These settings allow you to define which facets (filters) will be shown on articles list pages. You may combine different options up to your preference.

Show facets

You may disable facets completely with this option.

Show facets count
Show articles count on facets.

Show facets for groups
 Show facets for TecDoc assembly groups.

Show facets for availability
Show articles without availability option must be enabled. This facet should only be displayed when both in-stock and out-of-stock products are visible therefore it requires show articles without availability option to be enabled.

Show facets for brands
Show facets for TecDoc brands.

Show facets for delivery
Show facets for available delivery options.

Show facets for quality
Show facets for brand quality. Ensure that you set up the quality for Brands on the Brands page.

Show facets for criteria
Show facets for articles criteria.

Criteria for facets
Choose the criteria that will be available in the facets.

5.8. reCAPTCHA v3 settings

These settings allow you to set up a reCaptcha v3 for availability request form to prevent spam. You can get your reCaptcha key from Google reCaptcha Admin Console at https://www.google.com/recaptcha/about/

5.9. SEO settings

Module url
Specify the module root URL. For example, if you set this to "spare-parts", the TecDoc module will be accessible at "demostore.com/spare-parts".

Generate sitemap

Determine if the sitemap for TecDoc pages (manufacturers, models, vehicles, assembly groups, articles) should be generated and included within the Gsitemap module. To include articles, ensure the **Show custom articles** option is enabled. Please be aware that this process might take several hours, and the API cache will be enabled for this task. It is recommended to disable unnecessary manufacturers and vehicle types, and to run sitemap generation via CLI instead of HTTP.

SEO sections for TecDoc pages

You can set up Meta titles, Meta descriptions, and URL route rules for various page types, including Manufacturers, Model Series, Vehicles, Assembly Group, Assembly Groups, Articles, and Custom Article pages.

For each page type, a unique set of variables is available for generating dynamic Meta titles and Meta descriptions. These variables allow you to customize the content based on the page's context, enhancing its relevance and SEO effectiveness.

Meta titles and Meta descriptions are optional. If not specified, default translations will be applied for the Meta title, while the Meta description will be left blank.

When setting up Route rules, be sure to include all required* keywords. To avoid issues, confirm that the rules are consistent and do not overlap, as incorrect configuration can lead to errors and prevent users from accessing these pages.

The Route rules in our module function similarly to those in PrestaShop settings (Traffic & SEO > SEO & URLs > Schema of URLs), but are specifically designed for TecDoc pages.

⚙️ SEO settings - Articles page		
Meta title		en ▾
	Available variables: %manufacturerName%, %modelSeriesName%, %vehicleName%, %assemblyGroupName%	
Meta description		en ▾
	Available variables: %manufacturerName%, %modelSeriesName%, %vehicleName%, %assemblyGroupName%	
* Route rule	{linking_target_type_slug}/{manufacturer_slug}/{model_series_slug}/{vehicle_id}-{vehicle_slug}/{assembly_group_id}-{assembly_group_slug}	
	Keywords: linking_target_type_slug, manufacturer_slug, model_series_slug, vehicle_id*, vehicle_slug, assembly_group_id*, assembly_group_slug*	

5.10. Scheduled tasks (CRON) setup

This section provides guidance on configuring your CRON task for different utility functions, such as clearing the API cache or deleting cached products. For detailed instructions, please

consult the module configuration page, which will include specific paths for scripts tailored to your server environment.

6.Stock

We strongly recommend you to use "[Import Master](#)" to import stock data. However, if you prefer to manage stock records manually, you can navigate to the TecDoc menu and select "Stock".

Description of fields:

Supplier
Before adding a stock record, you have to create a [supplier](#). After creating a supplier, you can assign it to a stock record.

Brand
Brand of the stock record, ideally must match the brand in TecDoc.

Reference
Reference of the stock record, ideally must match the brand in TecDoc.

Name
This name will be used if custom articles are enabled and corresponding articles are not found in TecDoc.

Wholesale price
PrestaShop's product wholesale price, you can set this up to benefit from PrestaShop analytics.

Price
The base price without tax, module pricing rules (margin and discount) will be applied on top of this value.

Deposit
If a deposit is necessary for this stock record, you can specify it here (excluding tax). An additional deposit product will be added to the cart alongside the main product.

Minimum order quantity
Specify the minimum quantity for ordering.

Enforce quantity multiple

When this option is enabled, the quantity of the product must be a multiple of the specified minimum order quantity. If this option is turned off, there are no such restrictions, and customers can order any amount exceeding the minimum quantity. For instance, if the minimum order quantity is set to 2 and this option is turned on, customers can only order in quantities of 2, 4, 6, and etc. This feature is particularly valuable for scenarios involving the sale of pairs or sets.

Stock
Available stock (pcs).

Delivery time
Delivery time in days.

Weight
This weight will be added to the PrestaShop product and can be used for future shipping calculations.

OEM
If enabled, and the current article is a custom article, then OEM quality will be assigned to the article.

Active
Enable or disable stock record.

7.Pricing rules

The module allows you to maintain flexibility with margin and discount rules.

Margin rule is applied on top of the stock price and is not visible externally, but once applied, the price with margin serves as the base price for TecDoc articles. For instance, if the stock price is 10 EUR and a margin rule of 10% is applied, the resulting basic price of the product would be 11 EUR.

Discount rules are applied to the price that already includes the margin, and the discounted rate will be visible on the front office as a discount. For example, if a margin rule of 30% is created, a stock record with a price of 10 EUR will become 13 EUR when placed in the cart. However, if a discount rule of 10% is applied, the final product price will be 11.7 EUR. Discount rules are always applied to the price inclusive of the margin.

7.1.Margins

To create a margin rule, please navigate to the "**Margins**" section of the TecDoc module.

Description of fields:
Supplier
Before adding a margin record, you have to create a [supplier](#). After creating a supplier, you can assign it to a margin record.

Brand
You can configure brand-specific margin rules if you wish to limit them to particular brands. Each margin rule can be associated with only one brand.

Margin
Margin value in percentages.

Price range start & price range end
You can activate your margin rule within specific price ranges by setting the price ranges in these fields.

Active
Enable or disable margin rule.

7.2.Discounts

To create a discount rule, please navigate to the "**Discounts**" section of the TecDoc module.

Discounts have nearly identical fields as margins, with one small difference: a discount rule can be specified for a particular customer group.

Description of fields:
Group
You can restrict a discount rule to a specific customer group using this option.

8.Suppliers

Before adding stock data, margin, or discount rules, you need to create suppliers. These entities are not visible externally but are linked with other records. All of these records are

children's data of a particular supplier, enabling flexibility with pricing rules and other settings.

All of the supplier fields are strictly for internal use and are not visible externally. You can fill them up according to your preferences and needs, as this does not affect functionality in any way.

To create a supplier, please navigate to the "**Suppliers**" section of the TecDoc module.

Description of fields:
Name
Name of the supplier.

Email
Store supplier's email for inner use.

Phone
Store supplier's phone for inner use.

Address
Store supplier's address for inner use.

Active
Enable or disable supplier.

9.Manufacturers

To control which TecDoc manufacturers (vehicle makers) are visible in the front office, navigate to the Manufacturers section of the TecDoc module.

To manage manufacturers, please navigate to the **Manufacturers** section of the TecDoc module.

From there, you can easily enable or disable specific suppliers by toggling the "Active" column.

Manufacturers		
ID	Name	Active
3854	Abarth	✔
609	Ac	✔
1505	Acura	✔
6883	Addax	✔
5063	Adiva	✔
4330	Adly	✔
4331	Aeon	✔
5500	Aiways	✔
1480	Aixam	✔
2	Alfa romeo	✔
866	Alpina	✔
810	Alpine	✔
6699	Alrendo	✔
2246	Amc	✔
2524	Aprilia	✔

10.Brands

Similar to managing manufacturers, you have control over which brands (parts manufacturers) are visible in the front office. Additionally, you can define a quality rating per brand.

To manage brands, please navigate to the **Brands** section of the TecDoc module.

Description of fields:
Brand quality
Choose the quality rating to assign to the brand.

Active
Enable or disable brand.

11. Widgets

We offer several useful widgets that can be positioned anywhere within PrestaShop using hooks. Currently, there are only 5 types of widgets available, but we may introduce more in the future based on customer demand

To manage widgets, please navigate to the **Widgets** section of the TecDoc module.

Description of fields:
Name
This is simply an internal name for the widget, visible only within the admin panel and not externally.

Public name

The public name for this widget may be visible on the front office.

Hook

Choose from the available hooks where you would like to position this widget.

Type

Select from one of the five available widget types:

1. Search form: A simple article search form. Search logic is based on the settings of "**Articles Settings**" for "**Search number type**."

2. Vehicle search: A multi-step vehicle search that enables searching for vehicles by selecting different attributes.

3. Manufacturers list: A list of specified manufacturers.

4. Brands list: A list of specified brands.

5. TecDoc inside: Display mandatory TecDoc copyright information.

6. Custom HTML: Display widget with custom html content.

7. Assembly groups list: A list of specified assembly groups.

Orientation

This field is only displayed if the type is set to "**Vehicle search**". It allows you to specify the orientation the widget should use to display its features.

Assembly groups

This field is only displayed if the type is set to "**Assembly groups list**". It enables you to select which assembly groups you want to showcase in this specific widget.

Manufacturers

This field is only displayed if the type is set to "**Manufacturers list**". It enables you to select which manufacturers you want to showcase in this specific widget.

Brands

This field is only displayed if the type is set to "**Brands list**". It enables you to select which brands you want to showcase in this specific widget.

Custom HTML

This field is only displayed if the type is set to "**Custom HTML**". It allows you to define

custom html content that you want to display under this widget.

Custom ID
Custom ID to that can be applied to the widget container.

Custom CSS class
If necessary, you can apply a custom CSS class to the widget container, which can be useful for additional styling or wrapping purposes.

Show public name
Display the public name on the front office.

Active
Enable or disable widget

12.Import master

Our import functionality supports CSV, XML, XLS, XLSX, and ODS formats. Currently, we offer support for importing Stock and Suppliers entities.

To initiate a new import, navigate to the Import master section of the TecDoc module. Once there, click on the "+" (Add new record) button, which will initiate a three-step process.

Our import tool utilizes AJAX import, so you should never encounter issues with the maximum execution time. However, import performance may vary slightly depending on your server configuration.

Step 1 - Import setup

1. Define the import entity, whether it is stock or suppliers.

2. Choose an import method.

    a. Upload from your device.

    b. Download file from URL.

    c. Download file from FTP.

3. Only UTF-8 encoding is allowed.

4. If you have selected to download the file from a URL or FTP, you will be prompted to provide additional details, such as the file URL or FTP credentials.

5. If your file is in CSV format, please specify the column separator in the respective field.

6. For XML files, you need to specify the XML entity path and XML nodes accordingly.

7. If certain suppliers are adding prefixes or postfixes to references, you can modify the "**Reference Suffix**" and "**Reference Postfix**" fields to strip them.

8. If you wish to delete all existing entities of the chosen type, you can toggle the "**Truncate all records**" option.

Step 2 - Mapping

1. Specify the number of rows you wish to skip.

2. Map the columns from your uploaded file to match the entity data. Ensure all mandatory fields are filled.

3. You can set default values on the right side. These values will be utilized if they are not found in a row during import. This feature is highly beneficial because you're not required to include the supplier ID in your import file. Additionally, you can set a default delivery time for all future imported records.
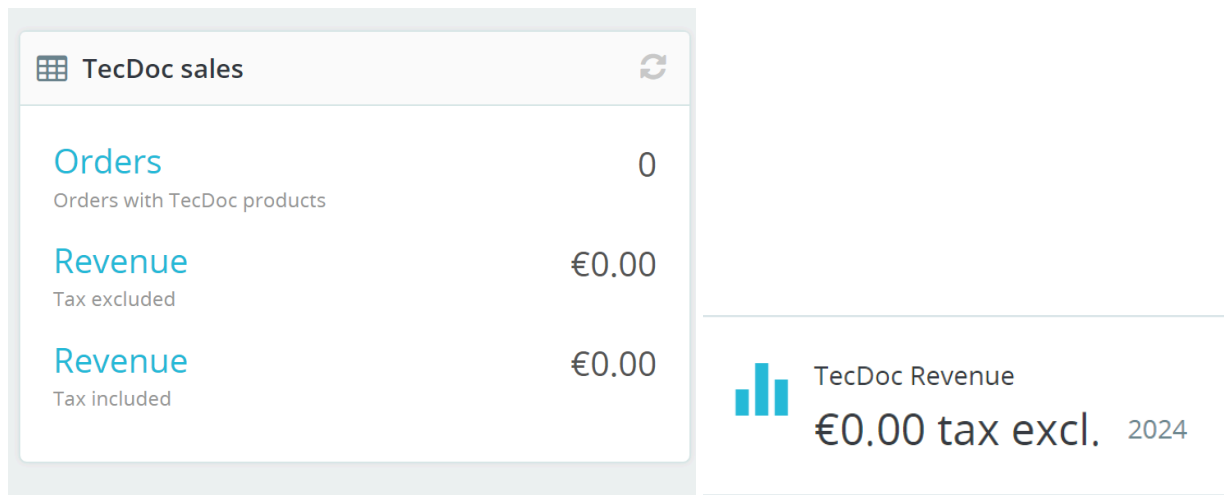

Step 3 - Import
Click "**Start Import**" and observe how your file is being imported. If there are any warnings or errors, you will be notified.

13. Sales KPI

Sales Key Performance Indicators (KPIs) are displayed on the orders page and the admin dashboard. On the order page, you can view the TecDoc Revenue stat, while on the dashboard, there is a TecDoc sales panel that shows sales data for the chosen period.

14.FAQ

What is the agreement with TecAlliance, and why do I need it?
Our module serves as a client for the official TecDoc API and does not provide any data directly. To use this service, you will need an active agreement with TecAlliance for access to the TecDoc web service. For details on pricing and agreement terms, please contact TecAlliance directly, as we are not affiliated with them.

Can I use the module on multiple domains?
Our module comes with a Single Domain License. Should you wish to use it on multiple domains, you'll need to purchase separate licenses for each.

Why is the IonCube extension necessary?
Some parts of our module are encoded with IonCube for security and to deter unauthorized distribution. Nonetheless, the majority of the module remains open for customization.

Is it possible to import millions of stock records into this module?
Absolutely. Our module is optimized to ensure swift and efficient operation. For best performance, we advise investing in a server with ample memory and ensuring your database is finely tuned. Notably, our module effortlessly manages up to 25 million stock

records on standard shared hosting with SSD.

How does the cart work?
The module converts TecDoc articles into PrestaShop products, allowing them to be added to the cart and ordered. While these products remain hidden, they can be deleted via a CRON link if not currently in a cart.

Does the module support caching?
Yes, our module supports caching with a short TTL of 6 hours.

What is a custom article?
A custom article is an orderable record that is not available in TecDoc but is generated from supplier stock data. This feature is highly beneficial when your supplier provides data for products that do not exist in TecDoc, such as OEM quality spare parts. It's entirely up to your preference whether you choose to utilize custom articles or not.