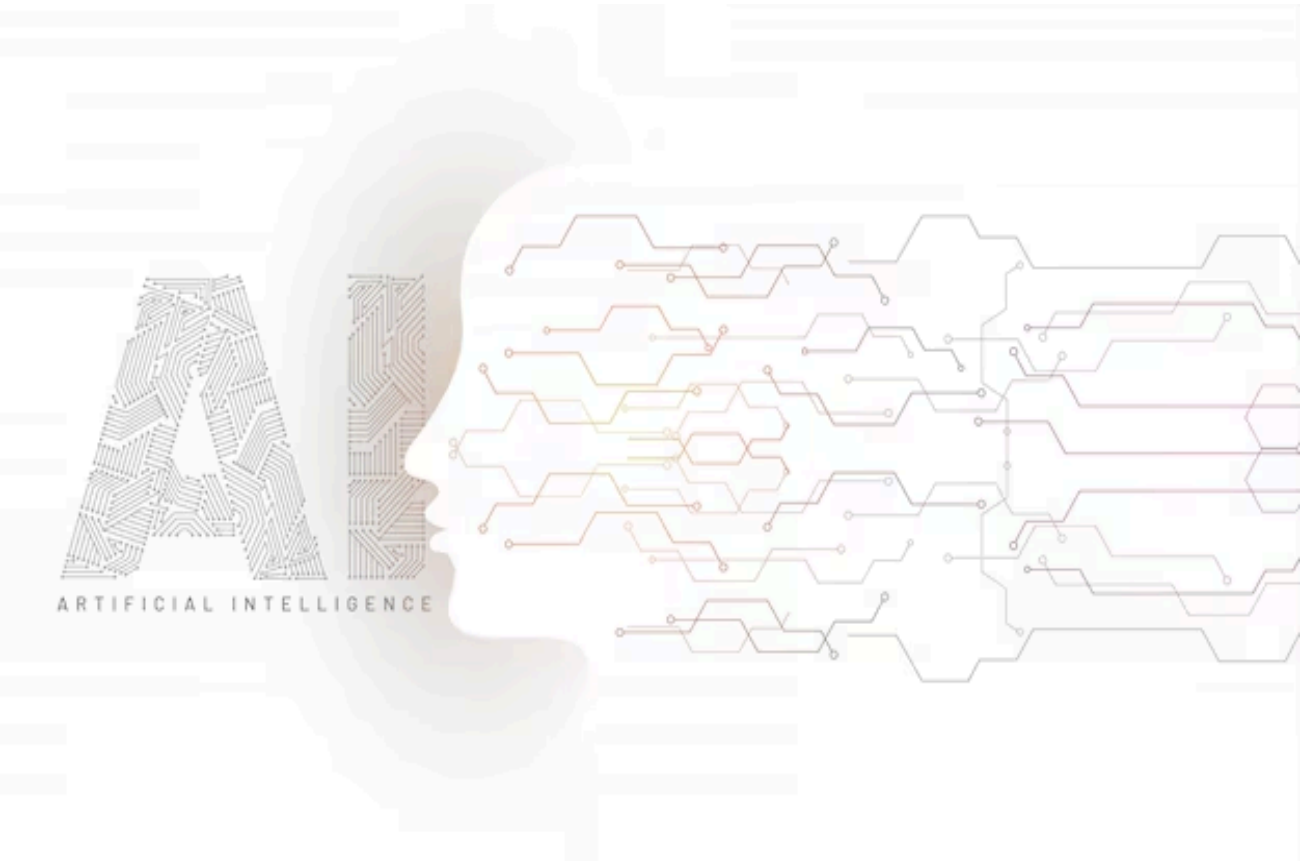

Guide for AI Driven Product Content Translation for Magento 2

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AI Translator Feature Module: Detailed Backend Admin Flow and User Guide

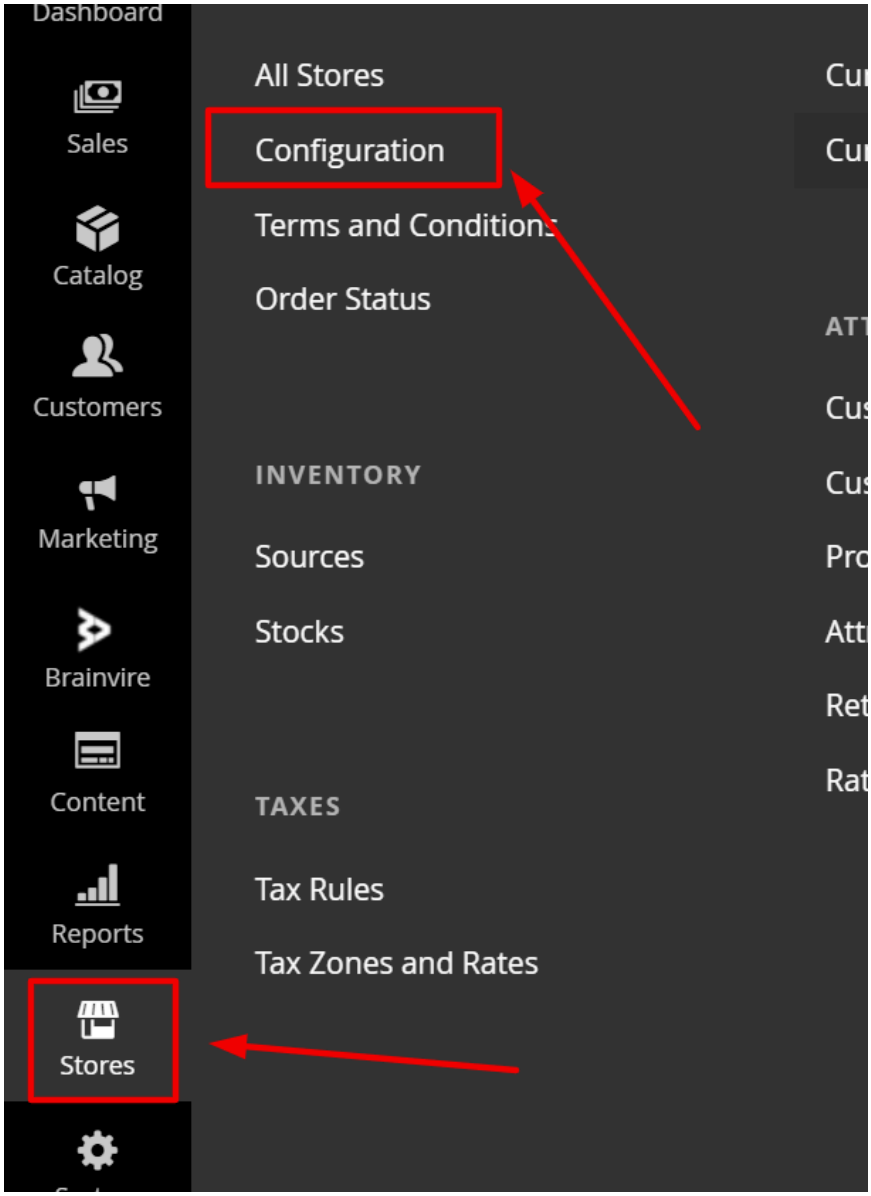
1. Introduction

As a Magento store admin, the ability to translate product descriptions and category text attributes into multiple languages using AI-powered content translation is crucial. This functionality not only enables you to reach a broader audience but also enhances the user experience for international customers. Moreover, having the option to exclude specific identifiers from translation ensures that you maintain control over the translated content, preserving essential elements and formatting unique to your store. This combination of advanced AI technology and customizable settings empowers you to deliver accurate, contextually appropriate, and engaging content across diverse language markets.

2. Accessing the AI Translator Configuration Settings

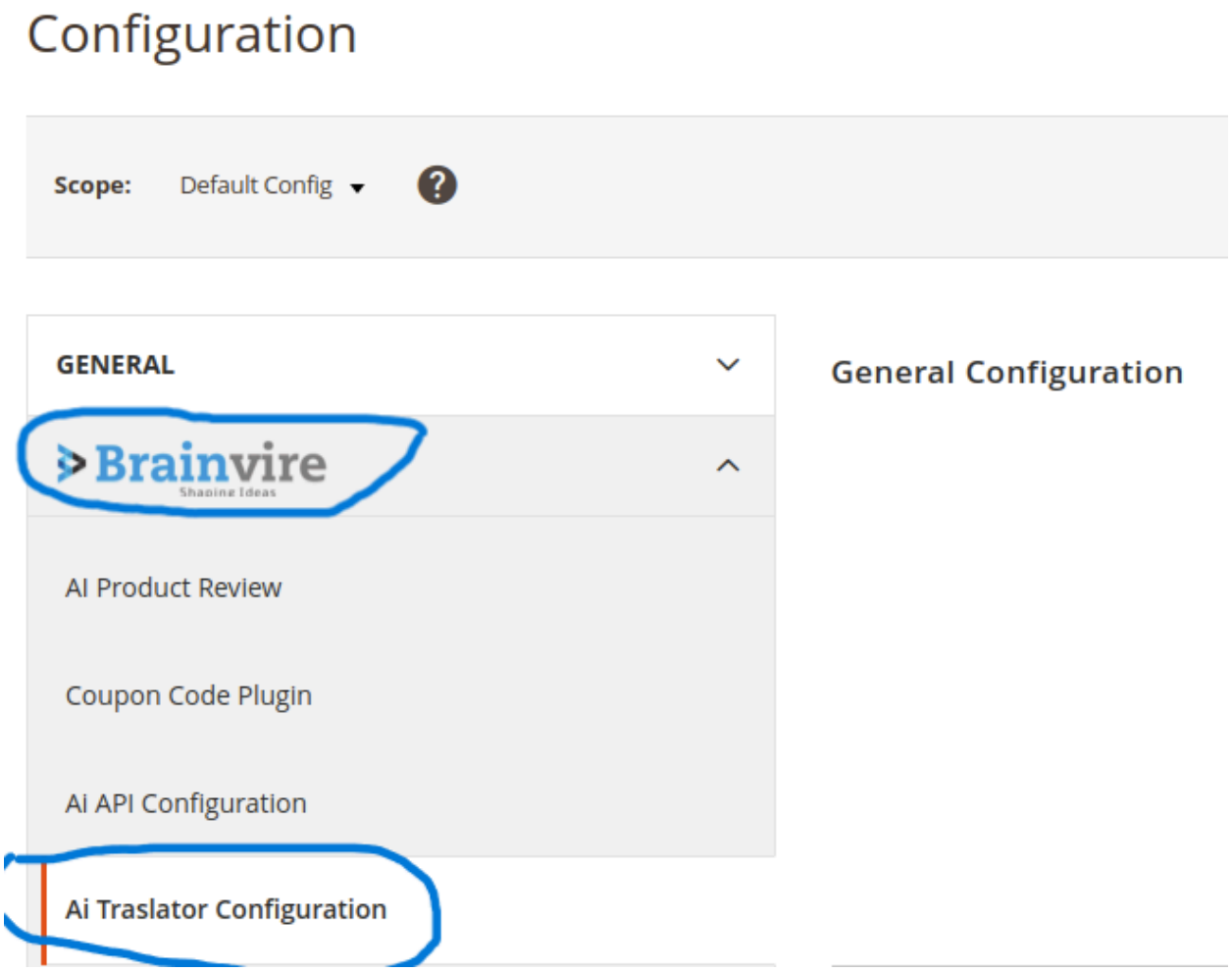
Login to the Admin Panel:

a. Open your Magento admin panel and log in with your admin credentials.
b. Screenshot:



Navigate to Configuration Settings:

c. Go to Stores > Configuration >Brainvire > AI Translator.
d. Locate the dedicated section for "AI Translator" settings.
e. Screenshot:

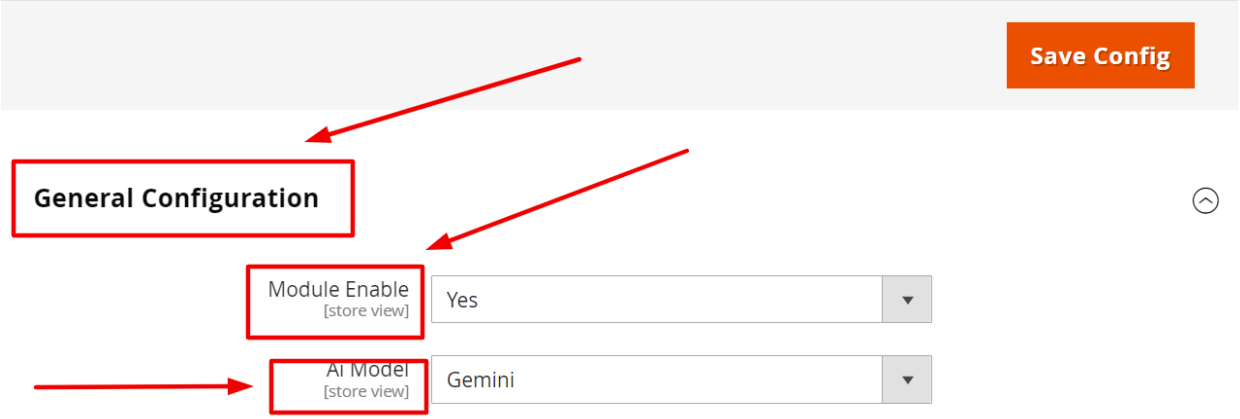


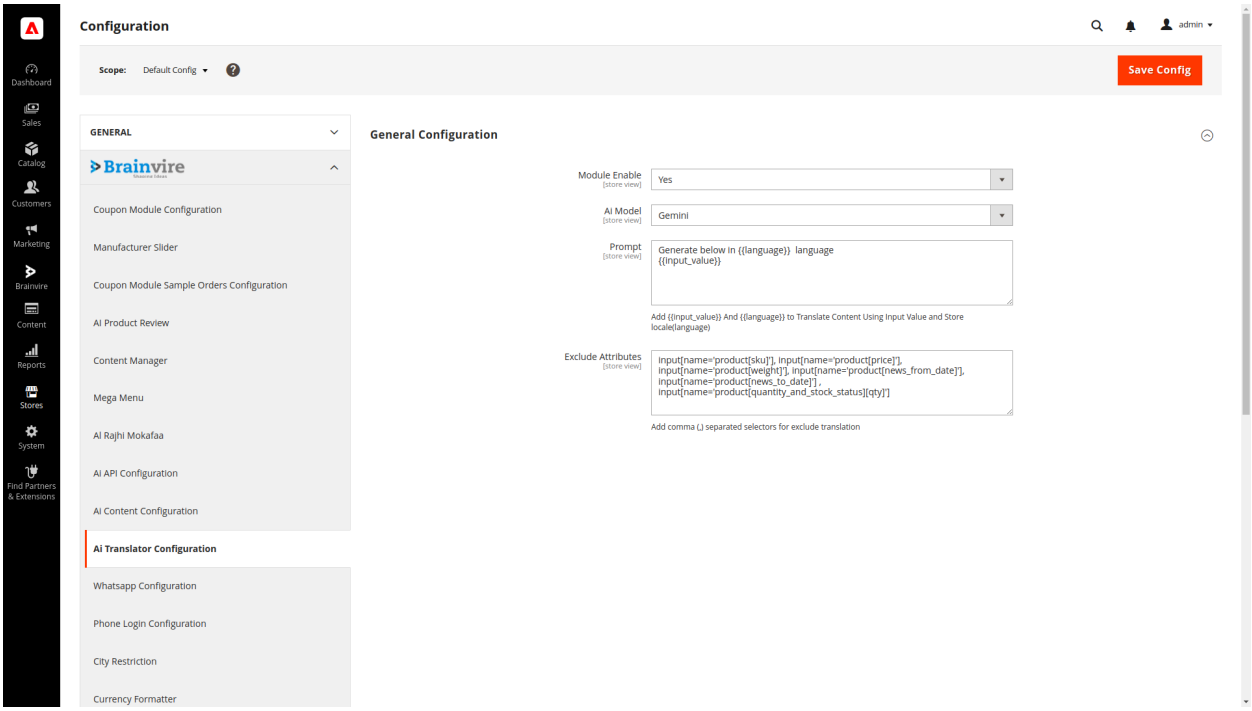
3. General Settings

Enable or disable the AI Translator module for your Magento store. Select the supported languages for translation (e.g., English, Arabic, French). Configure the default language for content display.

Enable/Disable Module:

- Toggle the switch to enable or disable the AI Translator module for your store.
- Screenshot:



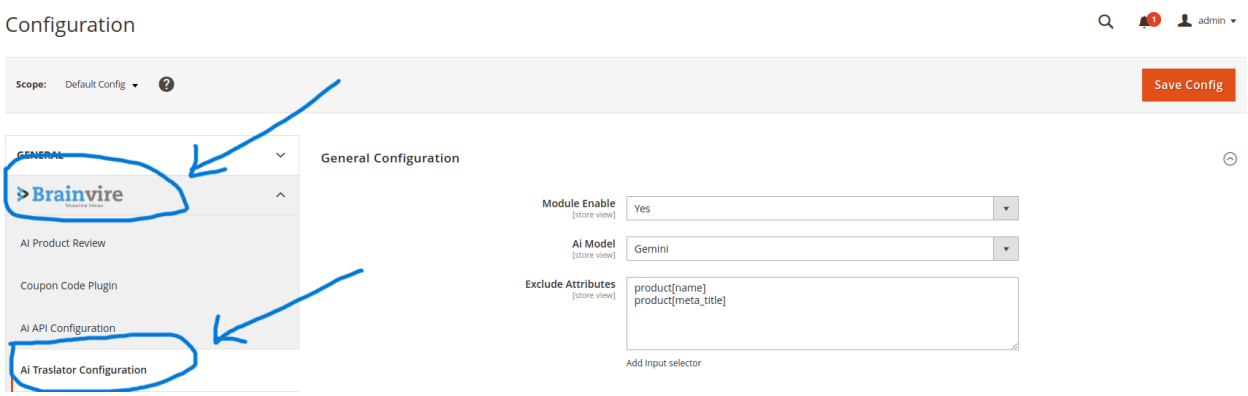


Supported Languages:

- Select the languages supported for translation from options such as English, Arabic, French, etc.

Default Language Configuration:

- Set the default language for content display on your store.



Global Link Enable/Disable:

- Enable or disable the "Translate" link across the entire store.

Specify Link Display Sections:

- Define where the "Translate" Link should appear (e.g., product descriptions, category descriptions, blog posts).

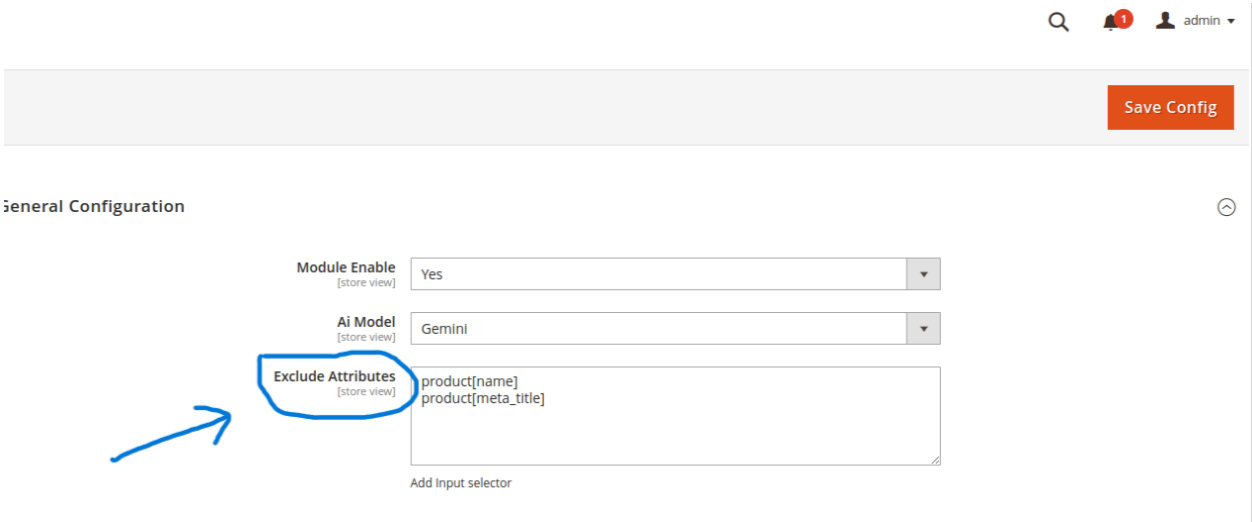
4. Selectors Exclusion Settings

The Magento admin panel should provide an option for defining specific identifiers that should be excluded from the translation process. This functionality can be implemented through a dedicated field or selector options, allowing admins to specify class names, IDs, or attribute names with specific formats. By enabling identifier exclusion, the system ensures that essential elements and formatting unique to the store are preserved, resulting in more accurate and contextually appropriate translations.

Upon selecting the target language, the system should first identify any configured identifiers within the content. These identified identifiers should be excluded from the AI translation process, ensuring that specific elements such as class names, IDs, or other defined attributes remain unchanged. Consequently, only the remaining text content will be translated into the target language, preserving the integrity of the original identifiers and ensuring the translated content is both accurate and contextually appropriate.

Access Identifier Exclusion Options:

- Navigate to the identifier exclusion configuration section.
- Screenshot:

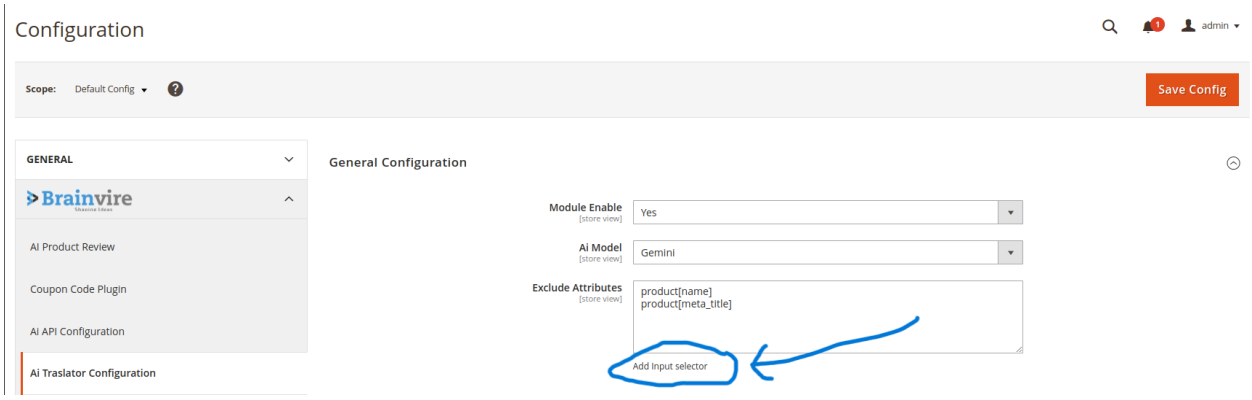


Define Exclusion Identifiers:

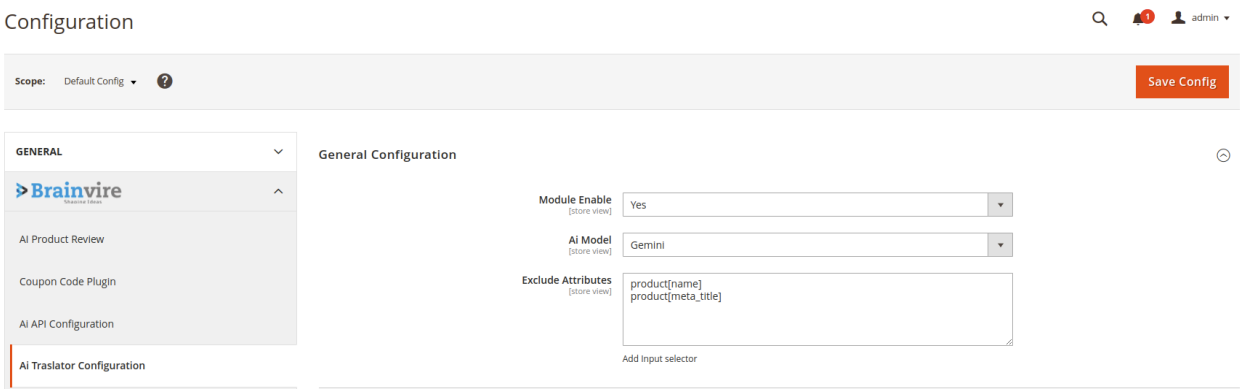
- Specify which identifiers should be excluded from translation by entering class names, IDs, or attribute names.

Provide Exclusion Patterns:

- Use selector patterns or regular expressions for more complex exclusions (e.g., name[qty] to exclude attributes containing "qty").
- Screenshot:



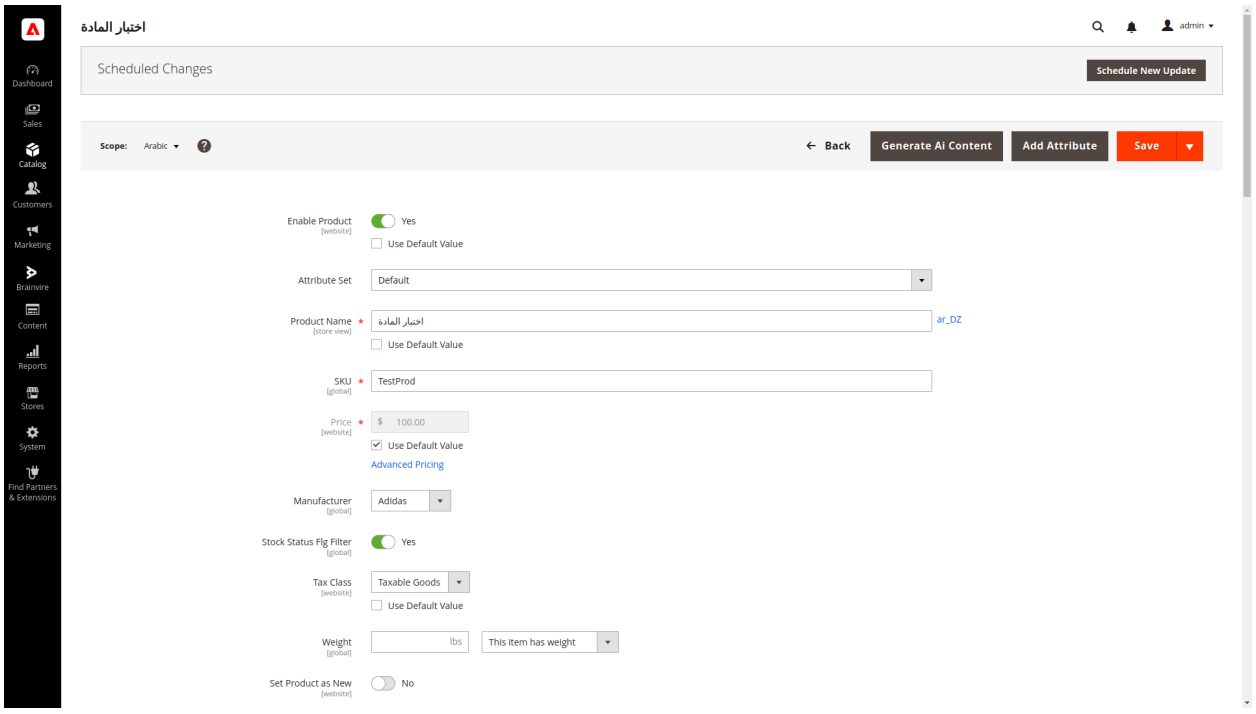
- Screenshot:



5. Save Configuration

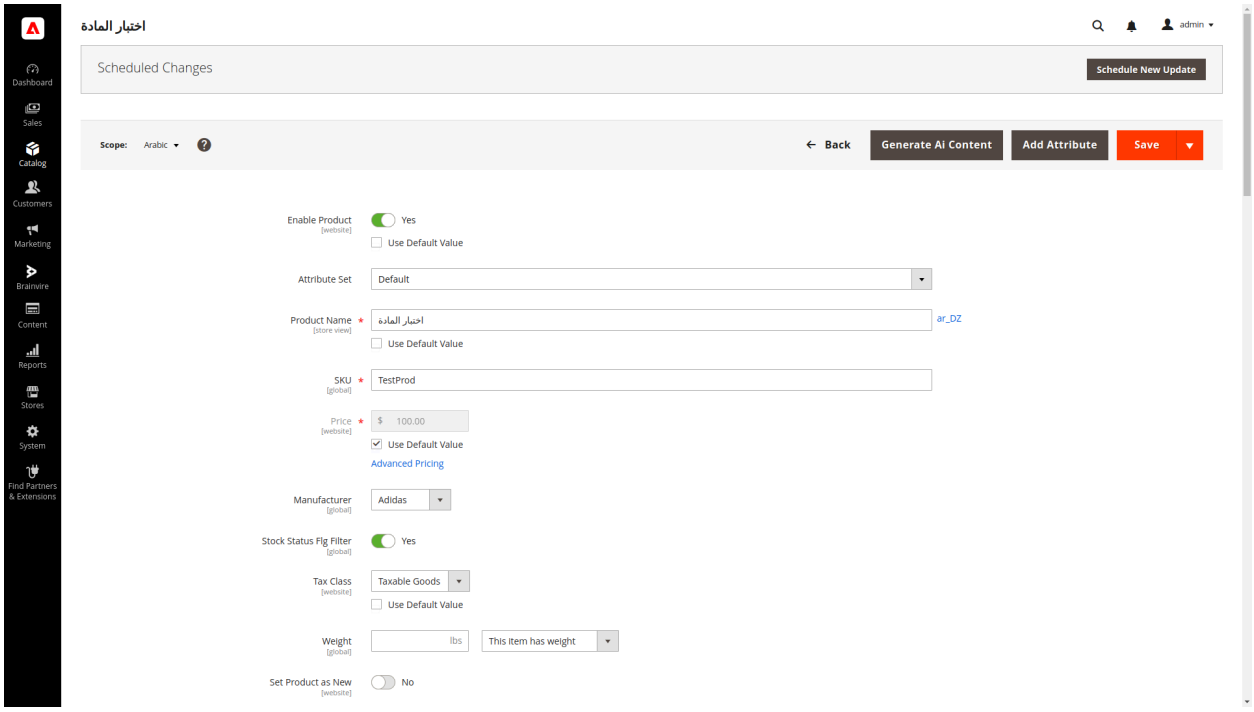
Save Settings:

a. Click "Save Configuration" to apply your changes.



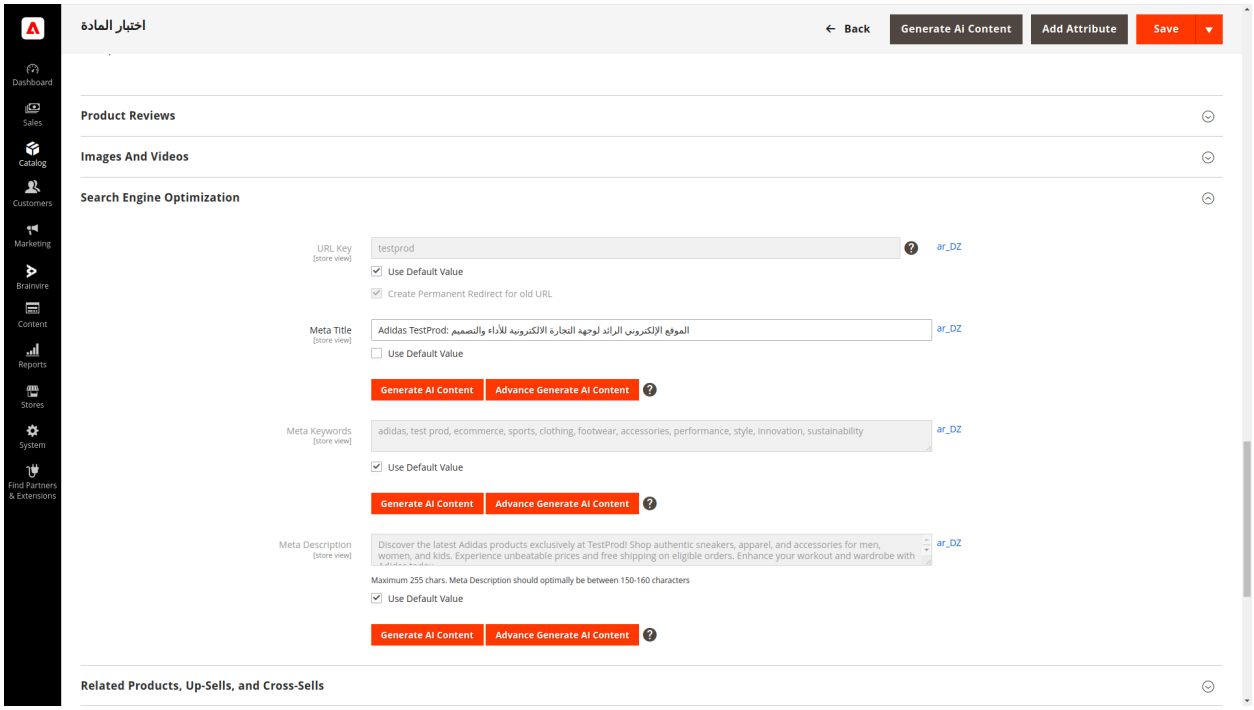
Navigate to Configured Sections:

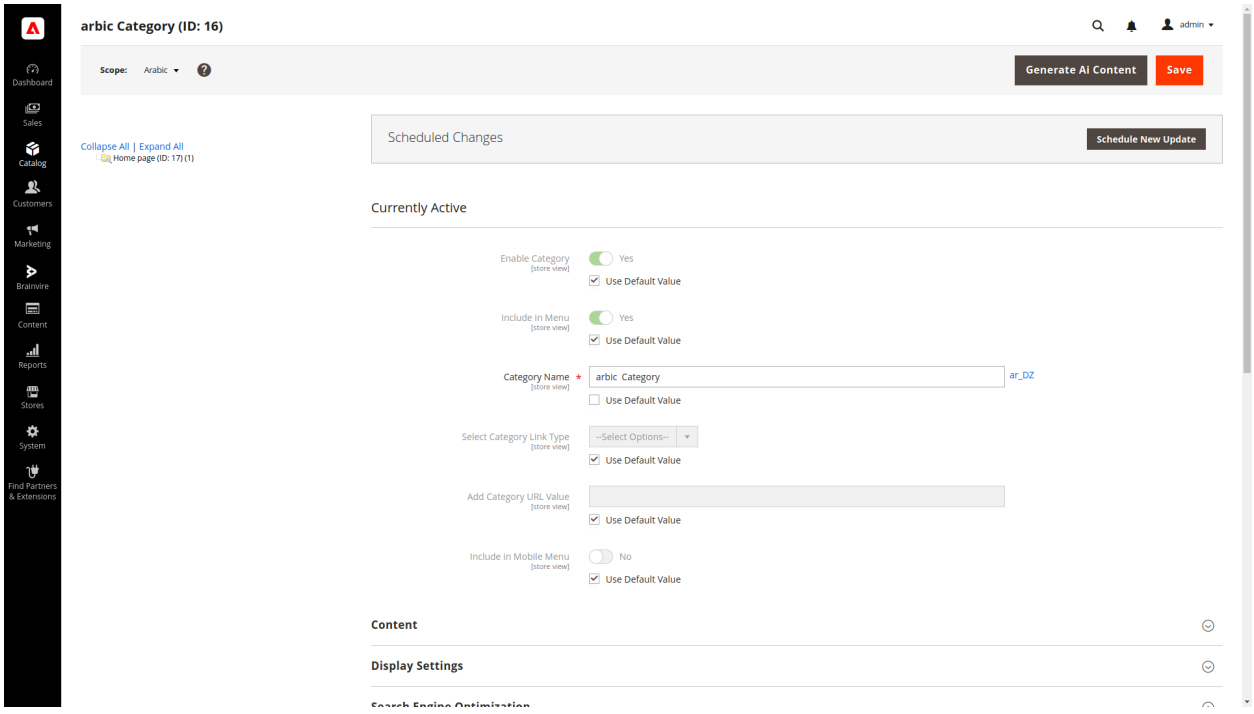
- Go to areas where the "Translate" Link is enabled (e.g., product descriptions, category descriptions).



6. Selecting the Target Language

- Click the Link to reveal language selection options.


اختبار المادة
Back
Generate Ai Content
Add Attribute
Save
Dashboard
Sales
Catalog
Customers
Marketing
Brainvire
Content
Reports
Stores
System
Find Partners & Extensions
Product Reviews
Images And Videos
Search Engine Optimization
URL Key
[store view]
testprod
ar_DZ
Use Default Value
Create Permanent Redirect for old URL
Meta Title
[store view]
Adidas TestProd: الموقع الإلكتروني الرائد لوجهة التجارة الالكترونية للأداء والتصميم
ar_DZ
Use Default Value
Generate AI Content
Advance Generate AI Content
Meta Keywords
[store view]
adidas, test prod, ecommerce, sports, clothing, footwear, accessories, performance, style, innovation, sustainability
ar_DZ
Use Default Value
Generate AI Content
Advance Generate AI Content
Meta Description
[store view]
Discover the latest Adidas products exclusively at TestProd! Shop authentic sneakers, apparel, and accessories for men, women, and kids. Experience unbeatable prices and free shipping on eligible orders. Enhance your workout and wardrobe with
ar_DZ
Maximum 255 chars. Meta Description should optimally be between 150-160 characters
Use Default Value
Generate AI Content
Advance Generate AI Content
Related Products, Up-Sells, and Cross-Sells


arbic Category (ID: 16)
admin
Scope:
Arabic
Generate Ai Content
Save
Dashboard
Sales
Catalog
Customers
Marketing
Brainvire
Content
Reports
Stores
System
Find Partners & Extensions
Collapse All | Expand All
Home page (ID: 17) (1)
Scheduled Changes
Schedule New Update
Currently Active
Enable Category
[store view]
Yes
Use Default Value
Include in Menu
[store view]
Yes
Use Default Value
Category Name *
[store view]
arbic Category
ar_DZ
Use Default Value
Select Category Link Type
[store view]
--Select Options--
Use Default Value
Add Category URL Value
[store view]
Use Default Value
Include in Mobile Menu
[store view]
No
Use Default Value
Content
Display Settings

7. Translation Process

Identifier Exclusion:

- The system identifies and excludes configured identifiers from the translation.

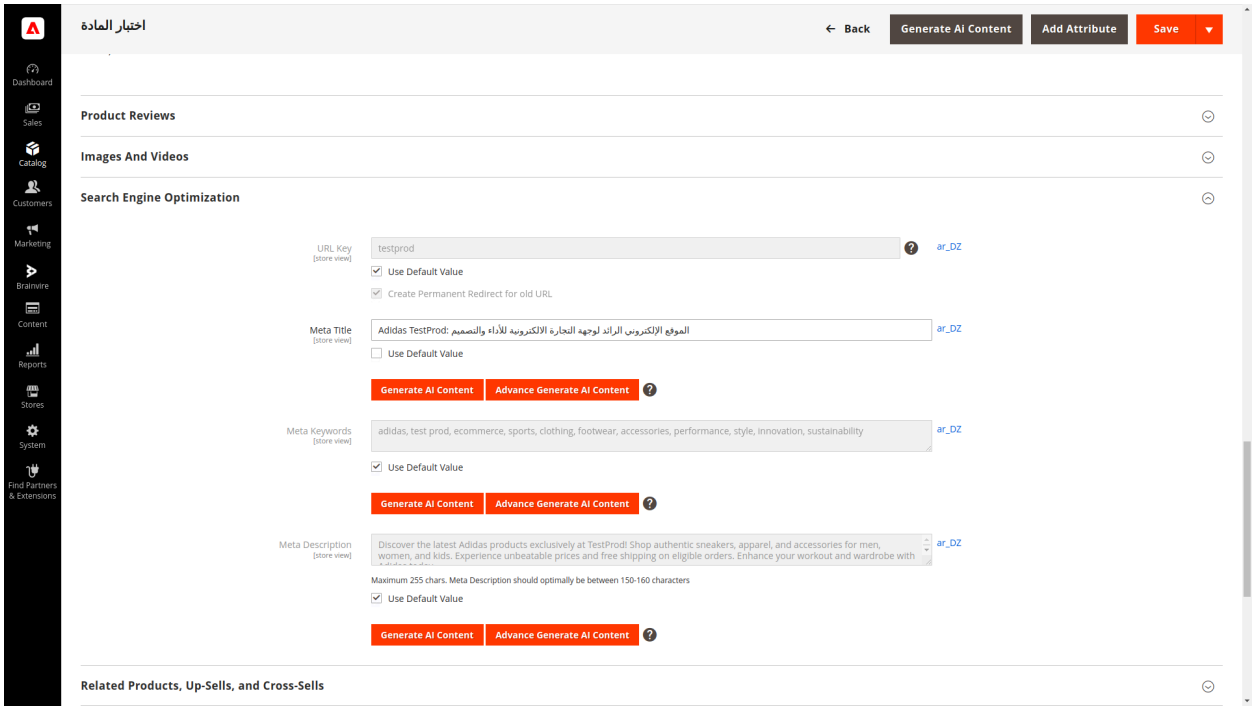
Translate Remaining Content:

- The remaining text content is translated into the target language using AI technology.

8. Displaying Translated Content

Show Translated Content:

- The translated content is displayed alongside the original in a user-friendly format.



Validation Scenarios

Scenario 1: Valid Translation with Identifier Exclusion

View Product Description with Identifiers:

- The admin views a description containing identifiers (e.g., class name "product-code").
- Identifiers are configured for exclusion.

Perform Translation:

- Click "Translate" and select a target language.
- The system translates the content, excluding the identifiers.
- The translated content is displayed alongside the original with identifiers intact.

Scenario 2: Translation with Unsupported Identifier Selector

Error Handling:

- The system displays an error indicating an invalid selector format.

Additional Considerations

1. Multi-Store Support

Apply Configurations per Store View:

- Ensure settings are correctly applied for each store view or website in a multi-store setup.

2. Content Editing and Review

Provide Review Options:

- Allow admins to review and edit translated content before publishing for accuracy.

3. Performance Optimization

Implement Caching:

- Use caching and other techniques to optimize performance, especially for high-traffic scenarios.

11. Conclusion

The AI Translator Feature Module significantly enhances the functionality of Magento stores by offering robust multi-language support, which is crucial for reaching a global audience. This sophisticated feature enables store admins to configure comprehensive translation settings tailored to their specific needs. It includes options for excluding particular identifiers from the translation process, ensuring that certain elements such as product codes, technical terms, or brand-specific text remain consistent and accurate across all languages.

Admins can access these settings through a dedicated section in the Magento admin panel, where they can define identifiers to be excluded via a user-friendly interface. This can be achieved through dedicated fields or selector options, such as class names, IDs, or attribute names with specific formats. By setting these parameters, the module ensures that only the desired content is translated, maintaining the integrity of critical identifiers.

The AI Translator Feature Module also emphasizes user experience by displaying translations in a clear, user-friendly format. Once the target language is selected, the system initiates the AI-powered translation process, which first identifies and excludes any configured identifiers. Only the remaining text content is then translated into the target language. The translated content is displayed alongside the original text, allowing users to easily switch between versions. This dual display format helps maintain context and accuracy, providing a seamless browsing experience for international customers.

Furthermore, this module supports a wide range of languages, making it a versatile tool for stores aiming to cater to diverse markets. The AI translation service employed ensures high-quality, contextually accurate translations, which are crucial for maintaining professionalism and trustworthiness in global commerce.

The module's backend admin flow is designed to be intuitive and efficient. Admins can enable or disable the translation feature globally or for specific sections of their store, such as product descriptions, category descriptions, and blog posts. The visibility of the "Translate" Link can be configured to be always visible or appear only on hover, based on the admin's preference. This

flexibility ensures that the translation feature integrates smoothly into the store's existing layout and functionality.

By following this comprehensive backend admin flow and user guide, store admins can effectively manage translations, ensuring content control, accuracy, and efficiency. This meticulous approach helps in reaching a wider audience and significantly improves the user experience for international customers. The AI Translator Feature Module is an essential tool for global commerce, providing the means to communicate effectively across different languages while maintaining the store's unique identity and messaging.

In summary, the AI Translator Feature Module not only expands a Magento store's reach by supporting multiple languages but also provides a high level of control over what content gets translated. Its user-friendly interface, combined with powerful AI translation capabilities, makes it an invaluable asset for any Magento store looking to enhance its global presence. By ensuring accurate, contextually appropriate translations and preserving critical identifiers, this module enhances both the efficiency of store operations and the shopping experience for international customers.