NextUp Integration for OpenCart 2.3.0.x

User's manual

- version 1.0.0 -

Introduction

This extension is built for merchants using NextUp ERP for stock-keeping and accounting,
who also wish to integrate the features provided by NextUp ERP with their online OpenCart store.

Features

Core features

- Connecting OpenCart products to NextUp ERP articles:
  - single and bulk product stocks sync;
  - single and bulk product prices sync;
  - single and bulk product tax information sync.

- Connecting OpenCart customers to NextUp ERP partners:
  - customers are sent to NextUp whenever an OpenCart order is exported to a NextUp Document (sale
    order or sale invoice);
  - ANAF data validation for company-type customers.

- Export OpenCart orders as NextUp ERP documents (using either valid or temporary status, either manually
  or automated):
  - sale orders;
  - sale invoices.

- Detailed logging of regular and unusual events (such as errors).

Tools

- If you are currently using OpenCart Romania's NextUp integration module, this extension provides a tool for
  you
  to extract existing product associations from its internal data store;
- If you are new to NextUp ERP, this extension provides a tool
  for you to export your store products in a format understood by NextUp ERP's importer;
- If you recently added a considerable amount of new products in NextUp ERP, this extension provides a tool
  for you
  to bring those products quickly in your OpenCart store.

Widgets

- Sidebar widget showing the NextUp ERP order export progress.

Requirements

OpenCart Compatibility

Tested with versions 2.3.0.0 to 2.3.0.2.

General requirements

- PHP 7.4.0 or newer;
- NextUp ERP with Server component activated (8.38.0 or newer suggested);
- Required PHP extensions:
  - Reflection
  - Curl
  - Json
  - MbString
  - Mysqli
  - Pcre
  - Spl
  - Zlib

Required NextUp ERP Server methods

- AddPartner;
- AddSaleInvoice;
- AddSaleOrder;
- DeleteDocument;
- GetAllArticles;
- GetAllPartners;
- GetAllStocksForArticles;
- GetAllWarehouses;
- GetArticleByCode;
- GetArticleById;
- GetPartnerByCode;
- GetPartnerById;
- SelectFromView;
- UpdatePartner.

NextUp Server Authentication Notes

If you are accessing the web services exposed by the NextUp ERP server you need to understand that, regardless of what application you are using to consume them (this extension included), you need to use a separate NextUp ERP user account for each application.

This is not a strict technical requirement but, if you share a user account between applications, you will end up with one authentication token overriding a previous one for that account, which, in turn, will lead to web service method calls for that all token failing.
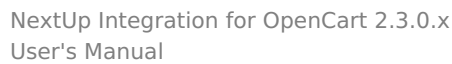
Other Notes

- Integration with OpenCart Romania's extension is provided as a best-effort implementation: there are no hard guarantees for correctness or that it will work at all.
- Compatibility with other OpenCart modules is not guaranteed, although this extension does not rely on any 3rd party module.

Limitations

1. There is no automatic stock update feature;
2. Migrating connected products from OpenCart Romania's extension is done on a best-effort basis: if the expected structure differs from the actual one, results may differ;
3. Due to the way OpenCart stores order and order item costs and prices, this extension needs to deduce some costs and prices that NextUp ERP expects, the result being that there may be differences between the OpenCart order costs and prices and NextUp ERP document costs and prices;
4. Since OpenCart product options don't have reference/SKU codes, they cannot be mapped to NextUp ERP articles/products.

Installation

Install using the OpenCart interface

1. Navigate to OpenCart's extension installer via `Extensions - Installer` menu entry:

Extension Installer   Home / Extension Installer

Upload your extensions

* Upload File ❓   **⬆ Upload**   **🖋 Clear**

Progress

Files that will be overwritten

admin/controller/extension/ciel_connection_settings.php
admin/controller/extension/ciel_connect_products.php
admin/controller/extension/ciel_custom_fields_sync.php
admin/controller/extension/ciel_heading_breadcrumbs.php
admin/controller/extension/ciel_import_oc_romania.php
admin/controller/extension/ciel_menu_entries.php
admin/controller/extension/ciel_modal_loading_indicator.php
admin/controller/extension/ciel_order_actions.php
admin/controller/extension/ciel_product_actions.php
admin/controller/extension/ciel_runtime_settings.php
admin/controller/extension/ciel_status_customer_column.php

✔ Continue

2. Click the `Upload` button;
3. Choose the extension archive file (`nextup-opencart-integration.ocmod.zip`);
4. After installation, navigate to `Extensions - Modifications` and click refresh to fully enable the extension's features:

Modifications   Home / Modifications   🔄 🖋 🗑

ℹ Whenever you enable / disable or delete a modification you need to click the refresh button to rebuild your modification cache!   ✕

5. Navigate to `Extensions - Extensions` and chose `Modules` in the `Choose extension type` drop-down selector:

Extensions   Home / Extensions

Extension List

Choose the extension type

Modules (27)   ⌄   ▼ Filter

6. Scroll down to the extension's entry - **`NextUp ERP Integration`** - and click the **`Install`** button.

Configure Extension

To configure the extension, navigate to `NextUp ERP - Configure`. There are three sections:

- NextUp ERP Connection Options - specify the NextUp ERP server address and credentials;
- NextUp ERP Integration Options - specify integration options;
- NextUp ERP OpenCart Workflow Options - specify workflow options.

NextUp ERP Connection Options

In this section, you specify the NextUp ERP server address and credentials. The following fields are available:

NextUp ERP Integration Options

In this section, you specify the main integration options, such as what warehouse to use. The following fields are available:

NextUp ERP OpenCart Workflow Options

In this section, you specify additional workflow integration options, mostly OpenCart-specific. The following fields are available: