

v4.0: Product - Step 1

02/11/2025 10:44 AM - Junyi Zhang

Status:	进行中	Start date:	02/14/2025
Priority:	高	Due date:	03/31/2025
Assignee:	Junyi Zhang	% Done:	100%
Category:		Estimated time:	100.00 hours
Target version:	v4.0	Spent time:	0.00 hour

Description

Background

1. New requirement for v4.0 OTS
- See: OneDrive\项目\Shanghai Group - IT\OTS V4\需求

Task Details

1. SBX需求数据库Table
1. Product需求OTS<->SBX需求+需求
2. Category 需求
3. Manufacturer 需求
4. Option 需求, 需求OTS->SBXoption需求
5. tax 需求
6. geo\_zone ?

2. OTS需求数据库Table

Module	Function	Database	Other
Product	1.SBX需求 2.OTS->SBX需求 3.需求:需求 + HS code需求 manufacture + 需求 + 需求	product product_description product_to_category product_group product_group_description product_option product_option_description product_option_value product_option_value_description product_extra_option product_extra_option_value product_discount product_option_value_discount product_image product_image_description product_option_value_hover_description product_option_value_layer_image product_square	option&price需求 SBX product->manufacturer 需求

		_meter_discount product_to_manufacturer(new) product_to_manufacturer_description(new)	
Category		category category_description category_path	類別
Manufacture	name, country, zone, city address 1, address 2	manufacture	廠商
Option	1.SBX類別 2.OTS->SBX類別	option option_description option_value option_value_description branding_group branding_group_description	類別類別SBX
tax		tax_class tax_rate tax_rate_to_customer_group tax_rule	稅
currency	-	currency currency_round	貨幣
length classes	-	length_class length_class_description	長度
weight classes	-	weight_class weight_class_description	重量
unit classes	-	unit_class unit_class_description	類別類別SBX
geo_zone	-	geo_zone zone_to_geo_zone	地理
country	-	country	國家

- 3. OTS類別Import product module類別類別SBX類別類別SQL類別  
**Bruce:#462**
- 4. OTS類別Restful API (Server類別)類別類別SBX類別類別類別類別<https://docs.opencart.com/en-gb/system/users/api/>
- 5. SBX類別Restful API (Client類別)類別類別OTS類別類別類別類別類別Admin order edit form類別類別類別  
**Note:** 類別類別類別Order類別類別類別Order類別Order Product類別Add / Edit / Remove類別

#### Questions:

1. 類別類別SBX類別Restful API (Client類別)類別類別類別類別OAuth類別類別類別類別類別SBX類別admin user類別OTS類別user類別  
**Van:** 類別類別類別email類別OTS4.0 類別類別類別email類別類別類別類別類別類別2類別類別user類別
2. 類別OTS類別SBX類別類別:
  - Product
  - Option

- Option value

Van: 000000ET0000id00000000Option value id00OTS4.000000Product0Option0Option value0id00000000000000000000

3. Color option00000000Text Option00000000option value000000Color Option00000000000000000000

Van 000text type, 0000color type0option000color option000000000000000000000000color option0000000000

v4 coding standard:

- 1. Git00  
#xxx(redmine number): xxx(redmine title) - xxx(00000000)  
00
- 2. 00000  
2.1: 000Public -> Protected -> Private  
2.2: 00000000SBX  
00
- 3. 00000000Model0  
3.1: 000000000000model00system00  
3.2: v3/v40model000000000000 order.php, order\_v3.php  
0
- 4. 0000  
twig, js, css (js, css00000000css0000)  
0
- 5. 0000  
MVCL (L0en0cn)  
0
- 6. 00  
1. 000

```
/**
 * xxx
 *
 * @copyright RedBlue-OTS 2024
 * @version v4
 *
 */
```

2. 0000000000 + 000000

```
/**
 * xxx
 *
 * @param xxx $xxx
 * @param xxx $xxx
 * @return xxx
 */
```

Output

- Report and Solution

Others

Related issues:

Copied to 0000 #462: v4.0: Product - Import option & product data from SBX	000	02/28/2025	03/03/2025
Copied to 0000 #463: v4.0: Product - Step 2	000	06/02/2025	10/31/2025

History

- #1 - 02/11/2025 07:30 PM - Junyi Zhang
  - Description updated
  - Status changed from 00 to 000
  - Start date changed from 02/17/2025 to 02/12/2025
- #2 - 02/13/2025 04:03 PM - Xihua Fan

- Tracker changed from to

### #3 - 02/13/2025 07:02 PM - Xihua Fan

- Description updated

- Start date changed from 02/12/2025 to 02/14/2025

### #4 - 02/14/2025 11:18 AM - Xihua Fan

- Description updated

### #5 - 02/14/2025 11:19 AM - Xihua Fan

- Description updated

### #6 - 02/14/2025 01:53 PM - Xihua Fan

- Description updated

### #7 - 02/14/2025 01:55 PM - Xihua Fan

- Description updated

### #8 - 02/14/2025 02:01 PM - Xihua Fan

- Description updated

### #9 - 02/14/2025 04:33 PM - Junyi Zhang

- Description updated

### #10 - 02/14/2025 04:36 PM - Xihua Fan

- Description updated

### #11 - 02/14/2025 05:49 PM - Junyi Zhang

- Description updated

### #12 - 02/17/2025 07:08 PM - Junyi Zhang

- File ots\_product.xlsx added

## Output(2025/02/23 - 2025/3/07) (2025/02/17 - 2025/02/21)

### 1. Functions:

1. Admin: Prepare auxiliary modules around the product module in advance
  - Unit class
  - Length class
  - Weight class
  - Tax
  - Currency
  - Country
  - Zone
  - Geo zone
2. Admin: Modify the manufacturer and category module.
3. Admin: Add option module.
  - Special options: color, size, branding, design method. Important: These special options need to be created first, then set to special in the setting.
  - Limit the option types: select, checkbox, radio, text
  - Redundant fields: Some unused fields still be added, because it will make the data transfer from ET4.0 more convenient.
4. Admin setting:
  - Add fields for special options: ~~config\_color\_option~~, ~~config\_extra\_color\_option~~, config\_size\_option, config\_design\_method\_option, config\_branding\_option
  - **Remove config\_color\_option, config\_extra\_color\_option: About color option, we still use SBX's color options instead of using 'text' option to represent all color options in front because the color option might have their own price, and we can not use one single option to cover all situation.**
5. Product module
  - According to SBX product module, design OTS's product module
  - Remain tab: General, Data, Link, Price&Option, Image
  - Modify Price&Option tab to multiple manufacturers mode, which means each manufacturer has their own prices and options.
  - Brand(Declaration):Use {brand}, {dimension} and {capacity} as replacement. And we need add tool/smarty in front.

### 2. Optimizations:

1. Admin: easyDingZhi.common

- Create easyDingZhi namespace in view/javascript/easydingzhi/common.js
  - The common.js should gradually replace OC's own common.js.
2. Common: Ensuring data integrity:
- Add 'transaction' in pdo.php for database rollback when one of the database operations is wrong in a set of database operations.
  - 'end\_of\_data': Add 'end\_of\_data' in every admin form as a flag. The database operation can succeed if 'end\_of\_data' exists.
3. Common: 简单SBX简单admin style

#### Database:

1. 简单 [#440](#)

#### TODO: 简单简单 [#463](#)

##### 1. Functions :

1. OTS V4 简单restful API, 简单简单ET V4简单简单
2. ET V4 简单restful API, 简单简单简单

#### #13 - 02/19/2025 10:57 AM - Junyi Zhang

- Description updated

#### #14 - 02/19/2025 11:02 AM - Junyi Zhang

- Description updated

#### #15 - 02/19/2025 04:32 PM - Junyi Zhang

- Description updated

#### #16 - 02/21/2025 11:25 AM - Junyi Zhang

- Description updated

#### #17 - 02/24/2025 10:18 AM - Junyi Zhang

- Description updated

#### #18 - 02/24/2025 10:18 AM - Junyi Zhang

- % Done changed from 0 to 30

#### #19 - 02/24/2025 10:25 AM - Junyi Zhang

- Description updated

#### #20 - 02/24/2025 02:24 PM - Xihua Fan

- Description updated

#### #21 - 02/28/2025 05:24 PM - Xihua Fan

- Copied to 简单简单 #462: v4.0: Product - Import option & product data from SBX added

#### #22 - 03/03/2025 10:23 AM - Junyi Zhang

- % Done changed from 30 to 60

#### #23 - 03/03/2025 10:30 AM - Junyi Zhang

- Description updated

#### #24 - 03/03/2025 10:33 AM - Junyi Zhang

- File deleted (ots\_product.xlsx)

#### #25 - 03/06/2025 05:21 PM - Junyi Zhang

- Copied to 简单简单 #463: v4.0: Product - Step 2 added

#### #26 - 03/06/2025 05:27 PM - Junyi Zhang

- Subject changed from v4.0: Product to v4.0: Product - 1

- Description updated

- Status changed from 简单 to 简单

- % Done changed from 60 to 100

**#27 - 11/28/2025 02:41 PM - Xihua Fan**

- Subject changed from v4.0: Product - 1 to v4.0: Product - Step 1