Components & Layouts Documentation

Module Version: 1.014
05.18.2019
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Requirements

Miva Merchant: **9.12 or higher**

Store User Interface: **Miva Merchant CSSUI**

Installation

1. Log into your Miva Merchant Admin

2. Navigate to **Modules**

3. Click the **+** icon to add a Module

4. Click **Upload** and upload **tgcomponents.mvc**

5. Press the **+ Add** button

6. Navigate to **Utilities**

7. Click on the **Add/Remove Modules** tab

8. Look for **Components & Layouts** and click **Install**

9. The **Components & Layouts** module is now installed!

Setting up the tgcomponent Item

By default this should be created. If you do not see the item tgcomponent in your items list, follow the following steps:

1. Navigate to **User Interface**
2. Click on the **Items** tab
3. Click the **+** icon to add an item
4. Set the code to **tgcomponent**
5. Set the module to **TGCOMPONENTS**
6. Click the **+ Add** button
7. Assign this item to any page where you're going to call the item.

The following parameters may be used with the item:

```
<mvt:item name="tgcomponent" param="Layout_Load_Code( 'my_layout_code',
l.settings:output )"/>
```

The first parameter is the **Layout Code** you are referencing.

The second parameter must be a variable. The structure of the layout will be returned to this variable.

Components & Layouts Module in the Admin

Navigating to Component & Layouts

Click the **Menu** button, and navigate to **Utilities**. Click the arrow and there will be a link labeled **Components and Layouts**.

Adding Components

To add a new component, you will need to fill in the following fields:

- Code
    - This is **required**, and must be unique
- Name
    - This is **Required**
- Description
    - This is used in the admin interface only, and is optional. This could have a description that is used for other users, as a reference.
- Image
    - This is used in the admin interface only, and is optional. This could be a reference image for layout building.
- Allow Nested Components
    - This is used in the admin interface only, and is optional. This determines if you can "drag" elements into this component.

In version **1.009**, editing the display order of the components is available. This display order will be used when loading components in the dropdown menu when editing a Layout Component.

Adding Attributes/ Options to Components

To add a new attribute to a component, you first need to select your component, and "Go to" that component.

The following fields will be available to fill out:

- Code
  - This is **required** and must be unique to the component
- Prompt
  - This is **required**
- Type
  - This is **required.** This is the type of field it is. The following is a breakdown of each type:
    - **Text Field**
      - A Text field
    - **Radio Buttons**
      - You may add a list of values
    - **Drop-down List**
      - You may add a list of drop-down list options.
    - **Checkbox**
      - A checkbox (Will evaluate as 1/0)
    - **Textarea**
      - A textarea
    - **Image**
      - An image upload, with options to resize an image (this is available in the pop up)
    - **Product**
      - A product popup selector
    - **Category**
      - A category popup selector
    - **Link**
      - The user will have the "Type" and "Value" available for them in the admin interface.
    - **Image Type**
      - The user will have a dropdown list of all Image Types associated with the Store.
    - **Date/ Time**
      - The user will have a Date/Time picker.
    - **Multi-Text**
      - A multi-text area. When you enter the data in the admin, use a line break to separate your values. When calling this data, it will return an array.
  - Required
    - If this attribute is required, you are able to specify that here.

When adding options, you will only need to supply the Prompt.

Adding Layouts

Only two fields are needed to create a layout:

- Code
    - This must be unique
- Name
    - This is a reference for the admin interface only

If you have a layout you like using, and want to duplicate it, you can select the layout you want, and the **Duplicate Layout** button will appear. You will need to specify a new code/ name for the new layout.

Updating Layouts

To add a new top-level component, you can click on **+ Add New Component**.

To add a child component, you can click the ••• button on the component you are referencing to opening the menu, and click **Add Child**.

Please note: Updates will only be saved when you click the **Update** button in the bottom right of the screen. If you click **Close**, you will be prompted to **Discard**, **Save**, or **Cancel**.

User Group Privileges

When the module is installed, by default it will add a new **Privilege** labeled **Components & Layouts Module**.

If a user is not an administrator, you will need to enable their privileges for the module.

Import/ Export

Export
The export is located under **Data Management > Import/Export > Components & Layouts**
For exporting, there are two options:
- Components
    - This will export all components
- Layouts Dropdown
    - **All Layouts** will export all layouts
    - Selecting one of the layouts will only export that specific layout

Import
XML Provisioning is the only importing that is available.

The following tags are available (please note these are examples):

```xml
<Module code="TGCOMPONENTS" feature="util">
    <Layout_Add>
        <Code>Your_Code_Here</Code>
        <Name>Your Name Here</Name>
    </Layout_Add>

    <Layout_Update code="Your_Code_Here">
        <Code>Your_New_Code_Here</Code>
        <Name>Your New Name Here</Name>
    </Layout_Update>

    <Layout_Delete code="Your_Code_Here" />

    <Component_Add>
        <Code>Your_Code_Here</Code>
        <Name>Your Name Here</Name>
        <Descrip>Your Description</Descrip>
        <Image>graphics/00000001/leia.png</Image>
        <Allow_Nest>1</Allow_Nest>
```

```xml
        </Component_Add>

        <Component_Update code="My_Old_Code_Here">
                <Code>Your_Code_Here</Code>
                <Name>Your Name Here</Name>
                <Descrip>Your Description</Descrip>
                <Image>graphics/00000001/leia.png</Image>
                <Allow_Nest>1</Allow_Nest>
        </Component_Update>

        <Component_Delete code="My_Code_Here" />

        <ComponentAttribute_Add component="My_Component">
                <Code>MyAttribute</Code>
                <Prompt>My Prompt</Prompt>
                <Type>image</Type>
                <Required>1</Required>
        </ComponentAttribute_Add>

        <ComponentAttribute_Update component="My_Component"
code="Attribute_Code">
                <Code>MyAttribute</Code>
                <Prompt>My Prompt</Prompt>
                <Type>image</Type>
                <Required>1</Required>
        </ComponentAttribute_Update>

        <ComponentAttribute_Delete component="My_Component"
code="Attribute_Code" />

        <ComponentAttributeOption_Add component="My_Component"
code="Attribute_Code">
                <Prompt>My Prompt</Prompt>
        </ComponentAttributeOption_Add>

        <LayoutComponent_Add layout="My_Layout_Code"
component="Component_Code">
                <Name>Name</Name>
                <Active>1</Active>
                <Parent>Some Parent</Parent>
```

```xml
            <Parent_Code>Some_Parent_Code</Parent_Code>
            <Date_Start><![CDATA[12/05/2018 21:10:03]]></Date_Start>
            <Date_End><![CDATA[12/29/2018 21:10:05]]></Date_End>
            <Attributes>
                    <Attribute code="MyAttribute">
                            <Value>My Value Here</Value>
                    </Attribute>
                    <Attribute code="MyAttributeLink">
                            <LinkType>Product</LinkType>
                            <Value>My Value Here</Value>
                    </Attribute>
            </Attributes>
        </LayoutComponent_Add>
    </Module>
```

The following are the available types for component attributes:

Code Used for **Type** in XML	Prompt in Admin
text	Text Field
radio	Radio Buttons
select	Drop-down List
checkbox	Checkbox
memo	Text Area
image	Image
product	Product
category	Category
link	Link
imagetype	Image Type
datetime	Date/ Time
multitext	Multi-Text *Use a pipe separator to import instead of*

	a line break.

Item Information (for Developers)

When you use **Layout_Load_Code**, the following structure will be returned.

```
[x]:active=1
[x]:attributes:{{ attribute code }}:value
[x]:children[x]:active
[x]:children[x]:attributes:{{ attribute code }}:value
[x]:children[x]:children_count
[x]:children[x]:code
[x]:children[x]:component:allow_children
[x]:children[x]:component:code
[x]:children[x]:component:disp_order
[x]:children[x]:component:id
[x]:children[x]:component:name
[x]:children[x]:component_id
[x]:children[x]:disp_order
[x]:children[x]:id
[x]:children[x]:layout_id
[x]:children[x]:name
[x]:children[x]:parent
[x]:children_count
[x]:code
[x]:component:allow_children
[x]:component:code
[x]:component:disp_order
[x]:component:id
[x]:component:name
[x]:component_id
[x]:disp_order
[x]:id
[x]:layout_id
[x]:name
[x]:parent
```

Notes
[x] denotes it is part of an array
:children can be nested inside of other **:children**

{{ attribute code }} would be the attribute code of your attributes which are tied to each component.

Example: I have an attribute with a code of "kitten"= [x]:attributes:**kitten**:value

Uninstalling the Module

To uninstall the module, you will need to make sure that the **tgcomponent** item is fully removed.

Navigate to **Utilities**, and click on the **Add/Remove Modules** tab.

Find **Component & Layouts** and click the **Remove** button.

Code Examples

Base Template to loop through a layout's children

The following template code can be used to start building out your layouts.

[Click here to view Code](#)