

Sitefinity E-commerce Breaking Changes – ver. 6.1

Product variations on multiple attributes

With version 6.1 a product variation can be created based on multiple attribute value combinations. Prior to that one product variation was only having one product attribute and only one value associated to it.

Example:

A product “Dress” now may have a variation with color “Black” and size “L” and another variation with color “White” and size “XS” and maybe another one with color “Black” and size “M”. The number of attributes you may select per variation is infinite.

Upgrade instructions:

After upgrading to 6.1 all of the old variations will keep the selected attributes with their respective values that have been specified BUT they also will receive all other attributes that are applied to the product type which this variation belongs to. However these attributes won't have any assigned values. Due to that fact it's essential for you to manually merge your variations.

Example:

Let's say that so far you have created the following variations:

1. Color “Black”
2. Color “Blue”
3. Gender “Male”
4. Gender “Female”

After the upgrade you will have the same number of variations in the back-end but in the front-end you will see:

1. Color “Black”, Gender “Please select”
2. Color “Blue”, Gender “Please select”

3. Gender "Male", Color "Please select"
4. Gender "Female", Color "Please select"

API changes related to the product variations change:

Telerik.Sitefinity.Modules.Ecommerce.Orders.Web.UI.ShoppingCart.cs

Removing two obsolete properties since they create issues when pages are duplicated. The IDs which link between pages are correctly copied however the specific JSON Data object that we have still contains old data that we don't need.

```
[Obsolete("Use CheckoutPageId instead")]  
public string CheckoutData { get; set; }  
[Obsolete("Use ContinueShoppingPageId instead")]  
public string ContinueShoppingData { get; set; }
```

Telerik.Sitefinity.Modules.Ecommerce.Catalog.Web.UI.Args.ProductVariationChangedEventArgs.cs

The SelectedProductVariationDetails property is marked as obsolete and the setter is removed. Please use the SelectedProductVariation property instead.

```
public List<ProductVariationDetail> SelectedProductVariationDetails {get;};
```

Telerik.Sitefinity.Ecommerce.Catalog.Model.OptionsDetails.cs

The ProductVariationDetails property is marked as obsolete and the setter is removed. Please use OptionsDetails.ProductVariation and OptionsDetails.ProductAttributeValues instead.

```
public List<ProductVariationDetail> ProductVariationDetails {get; set;}
```

Single Product Details Template

A new control for "additional charge" is added and the additional charge for a variation is no longer shown in the dropdown. Because of that each client should upgrade his custom templates to contain

```
<sf:ProductAdditionalChargeControl id="productAdditionalChargeControl" ProductItem='<#  
Page.GetDataItem() %>' runat="server" />
```

Telerik.Sitefinity.Modules.Ecommerce.Catalog.Model.ProductVariation.cs

The property Variant before was holding a JSON serialized AttributeValuePair object and now it holds a list of AttributeValuePair objects so any custom code that is using this Variant field should be updated.

```
[DataMember]  
public string Variant {get;set;}
```

Sharable Product types

The product types are global after version 6.1 which means that if you use multisite and you create a product type called “Bike” with a set of custom fields this product type will be visible and available for all other sites without difference if you share the products itself or you don’t share them.

This change has been achieved by making a new manager and provider which are global and which are not per site. The name of the new manager is EcommerceManager and all API usages of product type related methods on the CatalogManager before 6.1 should be updated to use the new EcommerceManager.

Upgrade instructions:

Upgrade from 5.4 directly to 6.1 is not supported. You have to first upgrade to 6.0 before you go for 6.1.