

Znode v9.7.7 Breaking Changes			
Jira ID	Module Name	Files - Methods	Breaking Changes
ZPD-22584	Znode.Engine.Api.Model	PublishProductModel.cs -Property: ZnodeCategoryId	Change data type int to List<int>
	Znode.Engine.Api.Model	SearchProductModel.cs-Property: ParentCategoryIds CategoryIds List<CategoryRelationshipModel>	ParentCategoryIds -removed this property CategoryIds,List<CategoryRelationshipModel> added these 2 new properties
	Znode.Engine.Api.Model	SearchRequestModel.cs-Property: ParentCategoryIds	Rename with CategoryIds
	Znode.Engine.Api.Model	Property: ZnodeCategoryId	Change Data type int to List<int>
	Znode.Engine.Api.Model	PublishedProductEntityModel.cs-Property: ZnodeCategoryId	Change Data type int to List<int>
	Znode.Engine.Api.Model	PublishProductModelV2.cs	ZnodeCategoryId -This property is obsolete instead of this property please use ZnodeCategoryIds property.
	Znode.Engine.Api.Model	CategoryProductModelV2.cs -Property :ZnodeCategoryId	Change Data type int to List<int>
	Znode.Engine.Api.Model	PublishProductViewModel.cs-Property: ZnodeCategoryIds	Change Data type int to List<int>
	Znode.Engine.Services	PublishProductDataService.cs-Method: CreateProductElasticIndex()	Replace greater then Zero(0) condition with count() greater then 0 for ZnodeCategoryIds
	Znode.Engine.Services	PublishProductDataService.cs- Method: GetProductsByCategoryId(), Method: GetPublishProductListByCategoryIds,	As this property changed int to List<int> GetProductsByCategoryId()- Added null check and split ZnodeCategoryIds column and find Category Id using LINQ query GetPublishProductListByCategoryIds-Added new method
	Znode.Engine.Services	PublishProductService.cs- Method: GetPublishProduct(), GetActiveAssociatedCategory(), GetPublishedProductFromPublishedData() GetPageModel(), GetPublishProductForSiteMap()	Change related to ZnodeCategoryIds column like take first and default value. change in linq query Get CategoryIds from filters and send it to newly created method GetPublishProductListByCategoryIds() of PublishedProductDataService.cs and Remove the Category Filters and IsActive filter. GetPublishProductForSiteMap()- Remove category filter and get Category Ids from filter and call newly created method GetPublishProductListByCategoryIds() of PublishedProductDataService.cs and Remove the Category Filters and IsActive filter.
	Znode.Engine.Services	SearchService.cs- Method: GetProductImagePath() Method: GetCategoryRelationships() Method: GetZnodeSearchRequest() Method: GetAssociatedCategoryIds() Method: ValidateProductInheritance() Method: GetDefaultSearchableFieldsFilter()	Method: GetProductImagePath()-Replace ParentCategoryIds with CategoryIds Method: GetZnodeSearchRequest()-Replace ParentCategoryIds with CategoryIds Method: ValidateProductInheritance()-Replace ZnodeParentCategoryIds to ZnodeCategoryIds Method: GetDefaultSearchableFieldsFilter()-Replace ParentCategoryIds with CategoryIds
	Znode.Engine.Services	WebStoreWidgetService.cs - Method - ProductListFilters()	Replace double quote with single quote for SKU filter.
	Znode.Engine.Services	RecommendationService.cs-Method: GetRequiredFilters()	Replace double quote with single quote for SKU filter
	Znode.Engine.Services	PromotionService.cs- Method- GetPublishedProductList()	Remove category filter and get CategoryIds from Filter and call newly created method GetPublishProductListByCategoryIds() of PublishedProductDataService.cs
	Znode.Libraries.ECommerce.ShoppingCart	ZNodeShoppingCart.cs -Method: GetProductDetails()	Replace ZnodeParentCategoryIds to ZnodeCategoryIds and Convert List<int> to Array list
	Znode.Libraries.Ecommerce.Utilities	ZnodeConstant.cs - CategoryIds CategoryRelationshipIds	Replace ParentCategoryIds with CategoryIds .
	Znode.Libraries.ElasticSearch	ElasticSearchBaseService.cs -Method :SetDefaultFilters()	Replace ParentCategoryIds with CategoryIds
	Znode.Libraries.ElasticSearch	ElasticSearchIndexerService.cs -Method: ToDataTable()	Replace ParentCategoryIds with CategoryIds Add new column categoryrelationships in Data Table
	Znode.Libraries.ElasticSearch	BaseQuery.cs-Method: AddSortToSearchQuery()	Replace ParentCategoryIds with CategoryIds
	Znode.Libraries.ElasticSearch	SearchProduct.cs-Property: categoryids	Rename parentcategoryids to categoryids
	Znode.Libraries.ElasticSearch	SearchProductService.cs- Method :SetElasticProduct() Method: GetAllProducts()	take firstorDefault() for removing the product GetAllProducts()- Replace Zero(0) with Null in filter if no category associated to the product.
	Znode.WebStore.Core	PublishProductViewModel.cs-Property: ZnodeCategoryIds	Change DataType int to List<int>
	Znode.Admin.Core	PublishProductViewModel.cs-Property: ZnodeCategoryIds	Change DataType int to List<int>
	Znode.Libraries.Data EDMX	ZnodePublishEntities.context.cs ZnodePublishEntities.Designer.cs ZnodePublishEntities.cs ZnodePublishEntities.edmx ZnodePublishEntities.edmx.diagram ZnodePublishProductEntity.cs - Column- ZnodeCategoryIds,CategoryRelationshipIds	Rename ZnodeParentCategoryIds with ZnodeCategoryIds Added new column CategoryRelationshipIds
	Database	Table: ZnodePublishProductEntity	Rename ZnodeParentCategoryIds with ZnodeCategoryIds Added new column CategoryRelationshipIds
		SP-Znode_PublishCatalogEntity	rename ZnodeParentCategoryIds with ZnodeCategoryIds and Added CategoryRelationshipIds column related changes
ZPD-24862	Database[Table]	ZnodePublishProductEntity table-DisplayOrder	The DisplayOrder column has been removed from the ZnodePublishProductEntity table
	Database[Table]	ZnodePublishProductEntity table-CategoryProductDisplayOrder	A new column with name CategoryProductDisplayOrder has been introduced in the ZnodePublishProductEntity table.
	Znode.Libraries.Data	ZnodePublishProductEntity.cs file-DisplayOrder	DisplayOrder property has been removed from the ZnodePublishProductEntity.cs file.
	Znode.Libraries.Data	ZnodePublishProductEntity.cs file-CategoryProductDisplayOrder	A new property with name CategoryProductDisplayOrder has been added in the ZnodePublishProductEntity.cs file
	Znode.Libraries.ElasticSearch	ElasticSearchIndexerService.cs file - DisplayOrder	The displayorder field has been removed from the Elasticsearch index.
	Znode.Libraries.Search	SortCriteria.cs file - DisplayOrder	The DisplayOrder variable has been removed from the SortNameEnum file.
	Znode.Libraries.Search	SearchProduct.cs file - DisplayOrder	The displayorder property available in the SearchProduct.cs file has been marked as obsolete.
ZPD-25827	Znode.Engine.ABSCconnector	ABSRResponseHelper.cs	Removed unused parameters in the following given files suggested by Sonarqube report and verified the same on next report