Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-15301	Znode.Engine.Service	**File Name:** ShoppingCartService.cs **Method Name:** GetListWithRates	1. A ulist has been corrected with the name oldShoppingModel 2. A rlits has been corrected with the name newShoppingModel
ZPD-9657	Znode.Engine.Api.Client.Endpoints	**File Name:** RMAReturnEndpoint.cs **Method Name:** GetOrderDetailsForReturn	A new optional parameter "isFromAdimn" has been added in the GetOrderDetailsForReturn endpoint method .
ZPD-13496	Znode.Libraries.Admin	**File Name:** ZnodeOrderHelper.cs **Method Name:** GetCouponPromotionMessages	1. A new parameter "orderId" is added 2. A new condition "if orderid > 0" is added then getting the couponlist other wise getting couponlist from the existing linq query
ZPD-13496	Znode.Libraries.Admin	**File Name:** ZnodeOrderHelper.cs **Method Name:** GetCouponPromotionMessages	1. A new parameter "isOldOrder" has been added in the GetCouponPromotionMessages method. 2. The same parameter has been added in the If condition.
ZPD-13496	Znode.Libraries.Data.DataModel	**Table Name:** ZnodeOmsOrderDiscount.cs **Property Name:** PromotionMessage	1. A new column "PromotionMessage" is added in table ZnodeOmsOrderDiscount in database 2. EDMX is also updated for saving the Promotion message in database.
ZPD-12244	Znode.Engine.Api.Models Znode.Admin.Core Znode.Api.Core Znode,Engine.Admin/Views/StoreLocator Znode_Multifront_90_Database	**File Name:** StoreLocatorDataModel.cs **File Name:** StoreLocatorDataViewModel.cs **File Name:** ValidateModelAttribute.cs **Method Name:** OnActionExecuting() **File Name:** CreatEdit.cshtml **Database:** **Table Name:** ZnodeAddress **Column Name:** Address1, Address2 and Address3	1. The Required, Range and MaxLength annotations have been added in the StoreLocatorDataModel.cs file for the below mentioned properties: - PortalId, DisplayOrder, StoreName, StoreLocationCode, Address1, CountryName, StateName and CityName. 2. The Required annotation has been added for Address1 property and removed from Address2 property in the StoreLocatorDataViewModel.cs file. 3. The xxception Message has been added in the OnActionExecuting method if the Error message is Null or Empty 4. The below properties have been changed in the CreateEdit.cshtml file: - "Address2" Property name with the "Address1". - "Address3" Property name with the "Address2". 5. The Data from one column has been replaced to another column in the ZnodeAddress Table: - "Address2" column to "Address1" column. - "Address3" column to "Address2" column.
ZPD-12267	Znode.Engine.Services Znode_Multifront_90_Database	**File Name:** ContentPageService.cs **Method Name:** UpdateContentPage(ContentPageModel contentPageModel) and CreateContentPage(ContentPageModel model) **Stored Procedure Name:** Znode_InsertUpdateContentPage.sql	-@UserId and @Status stored procedure parameters in methods UpdateContentPage(ContentPageModel contentPageModel) and ContentPageModel CreateContentPage(ContentPageModel model) are corrected. - @UserId and @Status parameters in stored procedure Znode_InsertUpdateContentPage are updated.

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-14467	Engine Libraries Znode.Engine.Admin	**File Names:** GeneralSettingClient.cs, IGeneralSettingIClient.cs, GeneralSettingAgent.cs, IGeneralSettingAgent.cs, GeneralSettingController.cs, GeneralSettingService.cs and IGeneralSettingService.cs. **Method Name:** GetLBDetails, UpdateLBDetails. **File Names:** GeneralSettingCache.cs , IGeneralSettingCache.cs. **Method Name:** GetCacheData. **File Name:** GeneralSettingEndpoint.cs,WebApiConfig.cs. **File Name:** AutoMapperConfig.cs. **File Name:** CacheListViewModel.cs ,CacheListModel.cs . **File Name:** LBDetailsViewModel.cs , LBDetailsModel.cs and GeneralSettingResponse.cs **File Name:** CacheManagement.cshtml **File Name:** LBDetails.cshtml and _asideGlobalSettingPanel.cshtml, **File Name:** Admin_Resources.Designer.cs, Admin_Resources.resx, GlobalSetting_Resources.Designer.cs, GlobalSetting_Resources.resx and ResourcesConstant.cs.	1. The Implementation of LBdetails has been removed from the following methods: GetLBDetails , UpdateLBDetails , GeneralSettingClient.cs , IGeneralSettingIClient.cs , GeneralSettingAgent.cs , IGeneralSettingAgent.cs , GeneralSettingController.cs , GeneralSettingService.cs , IGeneralSettingService.cs , GeneralSettingCache.cs and IGeneralSettingCache.cs. 2. The implementation of IsHttpsDomainOnly has been removed from the method GetCacheData. 3. The API of GetLBDetails , UpdateLBDetails from the file GeneralSettingEndpoint.cs and WebApiConfig.cs has been removed. 4. The mapper from LBDetailsModel and LBDetailsViewModel has been removed. 5. The property of IsHttpsDomainOnly from CacheListViewModel.cs and CacheListModel.cs has been removed. 6. The model LBDetailsViewModel.cs and LBDetailsModel.cs has been deleted. 7. The property of LoadBalanceDetails from file GeneralSettingResponse has been removed. 8. The view part of IsHttpsDomainOnly from CacheManagement.cshtml has been removed. 9. The view of LBDetails.cshtml has been deleted.
ZPD-10949	Znode.Libraries.ECommerce	**File Name:** IZnodeCheckout.cs **Method Name:** SetOrderDiscount **File Name:** ZnodeCheckout.cs **Method Name:** SetOrderDiscount	Method signatures has been changed and new parameters DiscountLevelTypeIdEnum and discountMultiplier are added.

Znode v9.7 Breaking Changes			
Jira ID	**Project Name**	**File/ Method/ Property/ Table/ Stored Procedure Name**	**Breaking Changes**
ZPD-10949	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** IZnodeCheckout.cs/ZnodeCheckout.cs	1. The Required, Range and MaxLength annotations have been added in the Store Locator DataModel.cs file for the below mentioned properties: - PortalId, DisplayOrder, StoreName, StoreLocation Code, Address1, CountryName, StateName and CityName. 2. The Required annotation has been added for Address1 property and removed from Address2 property in the StoreLocatorDataViewModel.cs file. 3. The exception Message has been added in the OnActionExecuting method if the Error message is Null or Empty 4. The below properties have been changed in the CreateEdit.cshtml file: - "Address2" Property name with the "Address1". - "Address3" Property name with the "Address2". 5. The Data from one column has been replaced to another column in the ZnodeAddress Table: - "Address2" column to "Address1" column. - "Address3" column to "Address2" column.
ZPD-10949	Znode.Api.Core	**File Name:** DependencyRegistration.cs	ZnodeOrderDiscountHelper and ZnodeOrderShippingHelper are registered in DI.
ZPD-10949	Znode.Libraries.ECommerce	**File Name:** ZnodeShoppingCart.cs	The logic to calculate Order Total was updated.
ZPD-10949	Database Changes	**File Name:** ZnodeOmsOrderDiscount.cs	The below columns were added to ZnodeOmsOrderDiscount entity:- - Nullable<decimal> PerQuantityDiscount - Nullable<decimal> DiscountMultiplier - Nullable<int> ParentOmsOrderLineItemsId - Nullable<int> DiscountLevelTypeId - string PromotionName - Nullable<int> PromotionTypeId - Nullable<int> DiscountAppliedSequence - string PromotionMessage
ZPD-10949	Database Changes	**File Name:** ZnodeOmsOrder.cs	The below column was added to the ZnodeOmsOrder entity:- Boolean IsOldOrder - The default value set to false
ZPD-10949	Database Changes	**File Name:** ZnodeOmsOrderDetail.cs	The below columns were added to ZnodeOmsOrderDetail entity:- - Nullable<decimal> ShippingDiscount - Nullable<decimal> ShippingHandlingCharges - Nullable<decimal> ReturnCharges - Nullable<bool> IsCalculateTaxAfterDiscount
ZPD-10949	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZnodePortalCart.cs	The logic to calculate Order Total was updated.

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-10949	Znode.Libraries.Admin	**File Name:** IPublishProductHelper.cs	The optional omsOrderId parameter has been added in the following methods:- - GetDataFromExpands() - GetPricingBySKUs() - GetProductPriceData() - GetDataForCartLineItems()
ZPD-10949	Znode.Libraries.Admin	**File Name:** PublishProductHelper.cs	The optional omsOrderId parameter was added in the following methods:- - GetDataFromExpands() - GetPricingBySKUs() - Passed OmsOrderId, IsFetchPriceFromOrder to Znode_GetPublishProductPricingBySku SP. - GetProductPriceData() - GetDataForCartLineItems() - Make GetRequiredProductDetails method protected virtual. - GetAdditionalProductData()
ZPD-10949	Database Changes	**File Name:** Znode_GetInventoryPromotionPricingBySkuWrapper	The OmsOrderId and IsFetchPriceFromOrder parameter were added in Znode_GetPublishProductPricingBySku SP to get the price associated with order.
ZPD-10949	Database Changes	**File Name:** Znode_GetOrderPricList	The Znode_GetOrderPricList is created to get Unit Price from the order table.
ZPD-10949	Database Changes	**File Name:** Znode_GetPublishProductPricingBySku	The OmsOrderId and IsFetchPriceFromOrder parameter were added in Znode_GetPublishProductPricingBySku Sp to get the price associated with order.
ZPD-10949	Znode.Engine.Promotions	**File Name:** ZnodePricePromotionManager.cs	The optional OmsOrderId parameter is added to the PromotionalPrice method to get the Unit price saved against the order.
ZPD-10949	Znode.Engine.Promotions	**File Names**: Checkout.cshtml and CheckoutReciept.cshtml **File Names**: CheckoutContoller.cs and QuoteController.cs	The ZnodeOrderDiscountHelper and ZnodeOrderShippingHelper is created to calculate Discount and Shipping in Order
ZPD-10949	Znode.Libraries.Admin	**File Name:** IZnodeOrderHelper.cs/ZnodeOrderHelper.cs	GetCouponPromotionMessages- The signature of this method has been changed and new parameters isOldOrder and omsOrderId are added.
ZPD-10949	Znode.Engine.Admin	**File Name:** OrderAgent.cs	All private methods of the mentioned file were converted to protected virtual.
ZPD-13942	Znode.Engine.Promotions	**File Name:** IZnodeCartPromotionManager.cs	1. The IZnodeCartPromotionManager interface was created to customize the ZnodeCartPromotionManager 2. The public virtual method was added to the interface. 3. The IZnodeCartPromotionManager reference was added in the Dependency injection.

Znode v9.7 Breaking Changes			
Jira ID	**Project Name**	**File/ Method/ Property/ Table/ Stored Procedure Name**	**Breaking Changes**
ZPD-13967	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** IZnodePortalCart.cs	1. The IZnodePortalCart interface was created to customized ZnodePortalCart. 2. The ZnodePortalCart reference was created with IZnodePortalCart in all the methods. 3. The IZnodeShoppingCartEntities was added to pass common type to ZnodeOrderFulfillment class. 4. The IZnodePortalCart was registered in DI. 5. The IZnodePortalCart reference was added in DI.
ZPD-13967	Znode.Libraries.ECommerce.Entities	**File Name:** IZnodeShoppingCartEntities.cs	IZnodeShoppingCartEntities Interface was created. Declare ZnodeShoppingCart.cs Property to Public
ZPD-13967	Znode.Libraries.ECommerce.Entities	**File Name:** ZnodeShoppingCart.cs	Implemented IZnodeShoppingCartEntities.cs interface
ZPD-14073	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZnodeMultipleAddressCart.cs **File Name:** ZnodePortalCart.cs and IZnodePortalCart.cs **File Name:** ZnodeCheckout.cs and IZnodeCheckout.cs	1. The type of ZnodeMultipleAddressCart was changed to IZnodeMultipleAddressCart in ZnodePortalCart and IZnodePortalCart file. 2. The new Constructor has been added in ZnodeMultipleAddressCart file. 3. The type of ZnodeMultipleAddressCart was changed to IZnodeMultipleAddressCart in ZnodeCheckout and IZnodeCheckout file. 4. The IZnodeShoppingCart interface was inherited from IZnodeShoppingCartEntities.
ZPD-14311	Database Changes	**Stored Procedure:** Znode_GetEligibleOrderNumberListForReturn	The Return creation eligibility condition has been updated in stored procedure.
ZPD-14867	Database Changes	**File Name:** Znode_GetDiscountDetails	The new stored procedure was created to get discount details for Return Line items
ZPD-14073	Znode.Api.Core	**File Name:** DependencyRegistration.cs	1. The IZnodeMultipleAddressCart reference was added in DI. 2. The IZnodePortalCart reference was added in DI. 3. The IZnodeCartPromotionManager reference was added in DI.
ZPD-14423	Znode.Libraries.Data.DataModel	**File Name:** ZnodeOmsOrderLineItems.cs	1. A new column **"BundleQuantity"** is added in table ZnodeOmsOrderLineItem. 2. Edmx file is updated for **BundleQuantity.**
ZPD-14423	Znode.Libraries.Admin	**File Name:** IZnodeOrderHelper.cs **File Name:** ZnodeOrderHelper.cs	1.The IZnodeMultipleAddressCart reference was added in DI. 2.The IZnodePortalCart reference was added in DI. 3. The IZnodeCartPromotionManager reference was added in DI.
ZPD-15517	Znode.Libraries.Admin	**File Name:** IZnodeOrderHelper.cs **File Name:** ZnodeOrderHelper.cs	1. A new declaration **GetBundleOrderLineItemByOmsOrderId** is added in interface **IZnodeOrderHelper**. 2. A new method **GetBundleOrderLineItemByOmsOrderId** is added in **ZnodeOrderHelper**.

Znode v9.7 Breaking Changes			
Jira ID	**Project Name**	**File/ Method/ Property/ Table/ Stored Procedure Name**	**Breaking Changes**
ZPD-15517	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** IZnodeCheckoutcs **Method Name:** AddBundleItemsInOrderLineItem, **Method Name**: AddLineItemsInOrderLineItem	1. A new optional parameter **omslineItems** is added in the declaration **AddBundleItemsInOrderLineItem**. 2. A new optional parameter **omslineItems** is added in the declaration **AddLineItemsInOrderLineItem**.
ZPD-15517	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZnodeCheckout.cs **Method Name:** AddBundleItemsInOrderLineItem, **Method Name**: AddLineItemsInOrderLineItem	1. A new optional parameter **omslineItems** is added in the **AddBundleItemsInOrderLineItem** method. 2. A new optional parameter **omslineItems** is added in the method **AddLineItemsInOrderLineItem** method.
ZPD-11180, ZPD-11181	-	-	1. Since new columns are introduced in the database for Orders, therefore the required information in the new columns will not be available for existing Orders. In order to use the new calculation workflow, it will be necessary for admin users to first manually Save the changes to Orders so that the real-time values are saved and then a new calculation workflow can be used for further calculations. *Important: If Orders are placed before the 9.7 upgrade, then a notification message will be displayed on the Manage Order screen respectively. In this scenario, real-time data will be checked for promotions/coupons eligibility, discount amount, the shipping method associated with the User Profile and Store, shipping amount, tax rate, and tax amount.* 2. If there are any pending Returns, they should be approved first and then the Order should be saved (only if admin users want to make new changes in Order or want to create a new Return. *Important: In this scenario, the Return Summary will be calculated based on the real-time values.* 3. Old created Return Orders may not work correctly if there are any data issues in older calculations.
ZPD-11180, ZPD-11181	-	**File Name:** ReturnOrderLineItemListModel.cs	The Total property signature has been updated to Virtual ReadOnly.
ZPD-11180, ZPD-11181	-	**File Name:** ReturnOrderLineItemModel.cs	The values must be assigned to the following new added properties for Create/Manage Return calculations: - PerQuantityShippingCost - PerQuantityShippingDiscount
ZPD-11180, ZPD-11181	-	**File Name:** RMAReturnCalculateLineItemModel.cs	The values must be assigned to the following new added property for Create/Manage Return calculations:- - PerQuantityShippingCost - PerQuantityShippingDiscount
ZPD-11180, ZPD-11181	-	**File Name:** RMAReturnCalculateModel.cs	The values must be mapped to the following new added properties for Create/Manage Return calculations: - ReturnShippingDiscount - ReturnCharges - ReturnTotal -Changed ReturnTotal Property as virtual and ReadOnly.

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-11180, ZPD-11181	-	**File Name:** RMAReturnLineItemModel.cs	The values must be mapped to the following new properties for Create/Manage Return calculations: 1. PerQuantityShippingCost 2. PerQuantityShippingDiscount
ZPD-11180, ZPD-11181	-	**File Name:** RMAReturnModel.cs	The values must be mapped to the following new properties for Create/Manage Return calculations: 1. ReturnShippingDiscount 2. ReturnCharges 3. TotalReturnAmount
ZPD-11180, ZPD-11181	-	**File Name:** ReturnOrderLineItemListViewModel.cs	The values must be assigned to the following new properties for Manage Order calculations: - ShippingCost - DataType was changed from string to decimal. - ReturnShippingDiscount - ReturnCharges - Total.
ZPD-11180, ZPD-11181	-	**File Name:** RMAReturnLineItemViewModel.cs	The values must be mapped to the following new property for Create/Manage Return calculations: - PerQuantityShippingDiscount
ZPD-11180, ZPD-11181	-	**File Name:** RMAReturnTotalViewModel.cs	The values must be mapped to the following new added property for Create/Manage return calculation - ReturnShippingDiscount - ReturnCharges - TotalReturnAmount.
ZPD-11180, ZPD-11181	-	**File Name:** RMAReturnViewModel.cs	The values must be mapped to the following new added property for Create/Manage return calculation - ReturnShippingDiscount - ReturnCharges
ZPD-11180, ZPD-11181	-	**File Name:** RMAReturnCalculateViewModel.cs	The values must be mapped to the following new added property for Create/Manage return calculation - ReturnShippingDiscount - ReturnCharges
ZPD-11180, ZPD-11181	-	**File Name:** RMAReturnViewModel.cs	The values must be mapped to the following new added property for Create/Manage return calculation - ReturnShippingDiscount - ReturnCharges
ZPD-11180, ZPD-11181	-	**File Name:** ZnodeRmaReturnDetail.cs	The following scalar properties have been introduced :- 1.Nullable<decimal> csRDiscount 2.Nullable<decimal> ReturnShippingDiscount 3.Nullable<decimal> ReturnCharges

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-11180, ZPD-11181	-	-	1. For old order modification, the tax price will vary according to the current rule. 2. In the Return screen, the tax on shipping will not be calculated for old orders as per the previous calculation. 3. For old orders, when updating orders, the same rule will be used for tax calculation and in that case the tax price will vary only for third-party tax services because for old orders the tax is calculated on incorrect discounted price.
ZPD-11180, ZPD-11181	Znode.libraries.Admin	**File Name:** ZnodeOrderHelper.cs	The additional tax rate parameter was added in the SaveTaxOrder() method type of decimal nullable. The new method SaveOrderTaxDetails was created to save the tax rate and rule detail against the order
ZPD-11180, ZPD-11181	Znode.libraries.Data	**File Name:** ZnodeOmsOrderDetail.cs	The public Nullable<bool> IsCalculateTaxAfterDiscount { get; set; } property is added to the entity model
ZPD-11180, ZPD-11181	Znode.Engine.Api.Model	**File Name:** OrderModel.cs	The new public bool? IsCalculateTaxAfterDiscount {get; set; } property is added to the model.
ZPD-11180, ZPD-11181	Znode.Engine.Api.Model	**File Name:** ShoppingCartModel.cs	The new public bool? IsCalculateTaxAfterDiscount {get; set; } property is added to the model.
ZPD-11180, ZPD-11181	Znode.Engine.Api.Model	**File Name:** RMAreturnModel.cs	The new public bool IsCalculateTaxAfterDiscount {get; set; } property is added to the model.
ZPD-11180, ZPD-11181	Znode.Engine.Taxes	**File Name:** ZnodeTaxManager.cs	1. The new protected virtual methods were created to set order discounts in Calculate() and PostSubmitOrderProcess() methods: - SplitOrderLevelDiscount(shoppingCart.OrderLevelDiscountDetails, shoppingCart.ShoppingCartItems). - SetPerQuantitycsRDiscount(shoppingCart). 2. The PostSubmitOrderProcess() method was updated with a new boolean parameter isTaxCostUpdated to send the parameter to tax class.

ZPD-11180, ZPD-11181	Znode.Engine.Taxes	**File Name:** ZnodeTaxTypes.cs	1. The following generic methods have been newly introduced for tax calculation:
			    a. IsCalculateTaxAfterDiscount()
			    b. GetLineItemDiscount()
			    c. GetReturnLineItemDiscount()
			    d. IsCalculateTaxOnShipping()
			    e. GetCartItemPrice()
			
			2. The PostSubmitOrderProcess() has been updated with a new boolean parameter isTaxCostUpdated to send the parameter upto tax class.
			
			3.The PostSubmitOrderProcess() has been updated with a new boolean parameter isTaxCostUpdated in all tax classes.

ZPD-11180, ZPD-11181	Znode.Libraries.ECommerce.Entities	**File Name:** ZnodeOrder.cs	The new public bool? IsCalculateTaxAfterDiscount {get; set; } property was added to the model

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-11180, ZPD-11181	Znode.Libraries.ECommerce.Entities	**File Name:** ZnodeShoppingCart.cs	The new public bool? IsCalculateTaxAfterDiscount {get; set; } property was added to the model
ZPD-11180, ZPD-11181	Znode.Engine.Services	**File Name:** OrderService.cs:	The MapReturnLineItemDetails() was updated with an additional OrderModel parameter: protected virtual void MapReturnLineItemDetails (List<ShoppingCartItemModel> returnCartItems, List<OrderDiscountModel> orderDiscountsList, OrderModel orderModel)
ZPD-11180, ZPD-11181	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZnodeShoppingCart.cs	The SubmitTax(bool isTaxCostUpdated = true) method was updated with a new isTaxCostUpdated boolean parameter.

ZPD-11180, ZPD-11181	-	**Table :** ZnodeOmsOrderDiscount
		File Name: ZnodeOmsOrderDiscount.cs
			The following columns have been added:
			  1. PerQuantityDiscount (numeric(28,6) Nullable)
			  2. DiscountMultiplier (numeric(28,6) Nullable)
			  3. ParentOmsOrderLineItemsId (int Nullable)
			  4. DiscountLevelTypeId (int Nullable)
			  5. PromotionName (nvarchar(1200) Nullable)
			  6. PromotionTypeId (int Nullable)

ZPD-11180, ZPD-11181	-	**Table:** ZnodeOmsOrderDetails **File Name:** ZnodeOmsOrderDetails.cs	The following columns have been added: 1. ShippingDiscount (numeric(28,6) Nullable) 2. ShippingHandlingCharges (numeric(28,6) Nullable) 3. ReturnCharges (numeric(28,6) Nullable) 4. IsCalculateTaxAfterDiscount (bit Nullable)
ZPD-11180, ZPD-11181	-	**Table:** ZnodeRmaReturnDetail **File Name:** ZnodeRmaReturnDetail.cs	The following columns have been added: 1. csRDiscount (numeric(28,6) Nullable) 2. ReturnShippingDiscount (numeric(28,6) Nullable) 3. ReturnCharges (numeric(28,6) Nullable)
ZPD-11180, ZPD-11181	-	**Table :**ZnodeOmsQuote **File Name:** ZnodeOmsQuote.cs	The ShippingHandlingCharges(numeric(28,6) Nullable) column has been newly introduced
ZPD-11180, ZPD-11181	-	**Stored Procedure**: Znode_GetInventoryPromotionPricingBySkuWrapper	OmsOrderId (Int) and IsFetchPriceFromOrder (Bit) parameters have been newly introduced.
ZPD-11180, ZPD-11181	-	**Stored Procedure:** Znode_GetOrderPricList	A new stored procedure was created to get the Unit Price from the Order table.
ZPD-11180, ZPD-11181	-	**Stored Procedure**: Znode_GetPublishProductPricingBySku	OmsOrderId (Int) and IsFetchPriceFromOrder (Bit) parameters have been newly introduced.
ZPD-11180, ZPD-11181	-	**Table:** ZnodeOmsTaxRule **File Name:** ZnodeOmsTaxRule.ts	The new table ZnodeOmsTaxRule has been created to save rule details from the base table to against order

Znode v9.7 Breaking Changes			
Jira ID	**Project Name**	**File/ Method/ Property/ Table/ Stored Procedure Name**	**Breaking Changes**
ZPD-11180, ZPD-11181	-	**Stored Procedure:** Znode_InsertOrderTaxDetails	The new Znode_InsertOrderTaxDetails stored procedure is created to save the tax rule against the order in ZnodeOmsTaxRule
ZPD-11180, ZPD-11181	-	**Stored Procedure:** Znode_GetOrderTaxDetails	The new Znode_GetOrderTaxDetails stored procedure is created to get the tax rules against the order
ZPD-11180, ZPD-11181	-	**Stored Procedure:** Znode_GetTaxClassRule	The Znode_GetTaxClassRule stored procedure is modified.
ZPD-11180, ZPD-11181	-	-	In Returns module, the Tax on ShippingCost will not be calculated for old orders based on real time values.
ZPD-11180, ZPD-11181	Znode.Engine.Taxes	**File Name:** ZnodeTaxManager.cs	The PostSubmitOrderProcess() was updated with a new boolean parameter isTaxCostUpdated to send the parameter to the tax class
ZPD-11180, ZPD-11181	-	**File Name:** ZnodeTaxTypes.cs	The below generic methods have been created for new tax calculations: 1. GetReturnLineItemDiscount 2. GetReturnCartItemPrice 3. GetReturnShippingCost 4. GetReturnLineItemDiscount
ZPD-11180, ZPD-11181	Znode.Libraries.ECommerce.Entities	**File Name:** ZnodeOrder.cs	The new public bool? IsCalculateTaxAfterDiscount {get; set; } property was added to the model.
ZPD-11180, ZPD-11181	Znode.Libraries.ECommerce.Entities	**File Name:** ZnodeShoppingCart.cs	The new public bool? IsCalculateTaxAfterDiscount {get; set; } property was added to the model
ZPD-11180, ZPD-11181	-	**File Name:** IZnodeShoppingCartEntities.cs	The new interface was created: Extends IZnodeShoppingCart: IZnodeShoppingCartEntities
ZPD-11180, ZPD-11181	-	**File Name:** ZnodePortalCart.cs	1. The IZnodePortalCart interface has been newly introduced and registered in DI. 2. The AddressCarts return type has been replaced to IZnodeMultipleAddressCart from ZnodeMultipleAddressCart.
ZPD-11180, ZPD-11181	-	**File Name:** IZnodeCheckout/ZnodeCheckout.cs	The return type has been change to IZnodePortalCart from ZnodePortalCart for the following methods/Properties: 1.GetDistinctCategoryIdsforCartItem 2. SetOrderLineItems 3. GetOrderFulfillment 4. ManageOrderInventory 5.SetOrderDetails 6.SetOrderModel 7.SetSKUInventorySetting 8. ShoppingCart (Property)
ZPD-11180, ZPD-11181	-	**File Name:** ZnodeCartPromotionManager.cs	The IZnodeCartPromotionManager interface has been newly introduced and been registered in DI.

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-11180, ZPD-11181	Znode.Engine.Services	**File Name:** OrderService.cs	1. The MapReturnLineItemDetails() was updated with an additional OrderModel parameter. 2. The new GetTaxRate() method was created to get the tax rule saved against the order by order Id. 3.The new GetTaxCost() method was created to get a Line Item tax cost for Return Line Items. 4. The new GetLineItemShippingCost() method was created to get Line Item shipping cost to calculate the tax on shipping cost. 5.The new method GetTaxOnShipping() was created to get tax on shipping in Return Charges if Return Shipping is false. 6.The GetReturnCharges() method was updated to set the Tax on shipping in Return Charges, added additional parameter taxOnShipping to set shipping tax in Return Charges. 7.The PerformCalculationForOrderReturnLineItem() method was updated to set Return Charges and tax cost on Return calculation
ZPD-14785	Znode.Engine.WebStore	**File Name:** QuickOrderProductViewModel.cs	The ChildTrackInventory field of type string was added.
ZPD-13882	Database	**Table Name:** ZnodePimProductTypeAssociation **Table Name:** ZnodePublishBundleProductEntity	1. A new column named BundleQuantity int nullable has been added in ZnodePimProductTypeAssociation. It is necessary to run default value script for this column for existing Bundled Products. 2. A new column named AssociatedProductBundleQuantity int nullable has been added in ZnodePublishBundleProductEntity. 3. Record has been updated for View_ManageProductTypeList_GroupProduct in ZnodeApplicationSetting table.
ZPD-13882	Znode.Engine.API.Models	**File Name:** QuickOrderProductModel.cs **File Name:** PublishProductModel.cs **File Name:** ShoppingCartItemModel.cs	A new property named BundleProducts of type List<AssociatedPublishedBundleProductModel> has been added to the mentioned files.
ZPD-14894	Znode.Admin.Core	**File Name:** ProductController **Method Name:** GetProductsToBeAssociated	To pass productType to the GetProductsToBeAssociated method, a new parameter has been introduced.
ZPD-14198	Znode.Engine.Api.Models	**File Name:** SubmitPaymentDetailsModel.cs **Property Name:** CreditCardNumber	A new property with name CreditCardNumber has been added in the SubmitPaymentDetailsViewModel method which will be used to hold the last 4 digits of credit card number.
ZPD-14198	Znode.Admin.Core	**File Name:** SubmitPaymentDetailsViewModel.cs **Property Name:** CreditCardNumber	A new property with name CreditCardNumber has been added in the SubmitPaymentDetailsViewModel method which will be used to hold the last 4 digits of credit card number.
ZPD-14198	Znode.Engine.Admin	**File Name:** Quote.ts **Method Name:** GetSubmitPaymentViewModel	To pass credit card number to the GetSubmitPaymentViewModel method, a new parameter has been introduced.
ZPD-13940	Znode.Engine.WebStore	**File Name:** User.ts **Function Name:** $(#btnSaveAddress).click	The function has been removed to avoid duplicate calls.

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-14391	Znode.Engine.Admin and Znode.Engine. Webstore	**File Name:** Web.Config **Key Name:** ZnodePaymentApiDomainName **Key Name:** ZnodePaymentApiDomainKey	It is necessary for ZnodePaymentApiDomainName and ZnodePaymentApiDomainKey to have correct domain values from Znode Payment DataBase ZnodeDomain. If they are not configured properly, the payment application will break.
ZPD-14391	Znode.Multifront.PaymentApplication.Api	**File Name:** Web.Config **Key Name:** CORS_Domains	It is necessary for CORS_Domains to have proper build URLs. If they are not configured properly, the payment application will break.
ZPD-14391	Znode.Engine.Admin Znode.Engine.Webstore Znode.Multifront.PaymentApplication.Api	**File Name:** Web.Config **Key Name:** ZnodePrivateKey	It is necessary for ZnodePrivateKey to have the same values in all applications. If they are not configured properly, the payment application will break.
ZPD-14391	Database	**Database :** Payment **Table Name:** ZnodeDomain	It is necessary for ZnodeDomain Payment to have the same keys in webstore and admin application. If they are not configured properly, the payment application will break.
ZPD-14088	Database	**Table Name:** ZnodeSearchItemRule	In the ZnodeSearchItemRule table, the SearchItemBoostValue field type is updated from int to Decimal(18,5). Also, the EDMX file updated for the same.
ZPD-14088	Znode.Engine.API.Models	**File Name:** SearchItemRuleModel.cs	The SearchItemRuleModel field of type SearchItemBoostValue was updated from int? to decimal?
ZPD-14088	Znode.Admin.Core.ViewModels	**File Name:** SearchItemRuleViewModel.cs	The SearchItemRuleModel field of type SearchItemBoostValue was updated from int? to decimal?. Also annotation was updated
ZPD-14088	Znode.Libraries.Search	**File Name:** ElasticsearchBoostAndBuryItemList.cs	The ElasticsearchBoostAndBuryItemList field of type SearchItemBoostValue was updated from int? to decimal?
ZPD-13882	Database	**Table Name:** ZnodePimProductTypeAssociation **Table Name:** ZnodePublishBundleProductEntity	1. A new column named BundleQuantity int nullable has been added in ZnodePimProductTypeAssociation. It is necessary to run default value script for this column for existing Bundled Products. 2. A new column named AssociatedProductBundleQuantity int nullable has been added in ZnodePublishBundleProductEntity. 3. Record has been updated for View_ManageProductTypeList_GroupProduct in ZnodeApplicationSetting table.
ZPD-13882	Znode.Engine.API.Models	**File Name:** QuickOrderProductModel.cs **File Name:** PublishProductModel.cs **File Name:** ShoppingCartItemModel.cs	A new property named BundleProducts of type List<AssociatedPublishedBundleProductModel> is added to the mentioned files.
ZPD-14070	Znode.WebStore.Core	**File Name:** SearchController.cs **Method Name:** GetSearchProperties	If sort value is not present in query string then a call to GetPortalDefaultSortValue method will be initiated to get the default sort value. This will ensure a default sorting option works when PLP loads.
ZPD-14070	Znode.WebStore.Core	**File Name:** CategoryController.cs **Method Name:** GetSearchProperties	If sort value is not present in query string then a call to GetPortalDefaultSortValue method will be initiated to get the default sort value. This will ensure a default sorting option works when PLP loads.
ZPD-14562	Database	**Table Names:** ZnodeOmsQuote, ZnodeOmsQuoteLineItem and SKUPriceForQuote **Column Names:** Custom1, Custom2, Custom3, Custom4, Custom5	New custom columns are added.

Znode v9.7 Breaking Changes			
Jira ID	**Project Name**	**File/ Method/ Property/ Table/ Stored Procedure Name**	**Breaking Changes**
ZPD-14562	Database	**SP Name:** Znode_GetQuoteList **SP Name:** Znode_InsertUpdateQuoteLineItem	Changes were made to insert and get the custom columns in the stored procedure.
ZPD-14600	Znode.Engine.Api	**Folder Name:** Scheduler **Dll Names:** WindowsAzure.Storage.dll & AWSSDK.dll	DLLs were added in the scheduler folder.
ZPD-14472	ZNode.Libraries.Data	**File Name:** ZnodePublishEntities.edmx **Entity Name:** ZnodePublishWidgetTitleEntity	For proper functioning of Open link in new tab functionality, IsNewTab column has been added in ZnodePublishWidgetTitleEntity table.
ZPD-14501	Znode.Engine.Services	**File Name:** PublishProductService.cs **Method Name:** GetPublishConfigurableProductEntity	GetPublishConfigurableProductEntity method has been introduced to get configurable attribute codes of parent product.
ZPD-14501	Znode.Engine.Services	**File Name:** PublishProductService.cs **Method Name:** GetDefaultConfigurableProduct	To pass data returned by GetPublishConfigurableProductEntity method into GetDefaultConfigurableProduct method, an optional parameter of type ZnodePublishConfigurableProductEntity is added in GetDefaultConfigurableProduct method.
ZPD-14185	Znode.Engine.Services	**File Name:** UserService.cs **Method Names:** ChangePassword, VerifyResetPasswordLinkStatus, SendResetPasswordMail and SendResetPassword	Encryption and decryption functionality has been added to encrypt and decrypt username in the change/forget/reset password email link: - Decryption functionality is added in the ChangePassword and VerifyResetPasswordLinkStatus methods to decode username parameter by using DecodeBase64 method. - Encryption functionality is added in the SendResetPasswordMail and SendResetPassword methods for sending encrypted username in the forgot password email link by using EncodeBase64 Method.
ZPD-14185	Znode.WebStore.Core	**File Name:** UserController.cs **Method Names:** ResetPassword and ChangePassword	DecodeBase64 method has been added to decrypt username in the ResetPassword method to get the user details by using decoded username. Also, EncodeBase64 method has been added to resolve incorrect format issue in the ChangePassword method.
ZPD-14436	Znode.Engine.Services	**File Name:** GiftCardService **Method Name:** CreateGiftCard	The sequence in which the calls are initiated is changed. A call to send the email notification will be initiated after a Voucher has been created.
ZPD-14434	Znode.Engine.Services	**File Name:** IUserService.cs **File Name:** UserService.cs	The access specifier of methods available in the files has been changed.
ZPD-14391	Znode.Engine.Admin and Znode.Engine.Webstore	**File Name:** Web.Config **Key Names:** ZnodePaymentApiDomainName and ZnodePaymentApiDomainKey	It is necessary for ZnodePaymentApiDomainName and ZnodePaymentApiDomainKey to have correct domain values from Znode Payment DataBase ZnodeDomain. If they are not configured properly, the payment application will break.
ZPD-14391	Znode.Multifront.PaymentApplication.Api	**File Name:** Web.Config **Key Name:** CORS_Domains	It is necessary for CORS_Domains to have proper build URLs. If they are not configured properly, the payment application will break.
ZPD-14391	Znode.Engine.Admin Znode.Engine.Webstore Znode.Multifront.PaymentApplication.Api	**File Name:** Web.Config **Key Name:** ZnodePrivateKey	It is necessary for ZnodePrivateKey to have the same values in all applications. If they are not configured properly, the payment application will break.
ZPD-14391	Database	**Database :** Payment **Table Name:** ZnodeDomain	It is necessary for ZnodeDomain Payment to have the same keys in webstore and admin application. If they are not configured properly, the payment application will break.

Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
		Znode v9.7 Breaking Changes	
ZPD-14388	Znode.libraries.data	**File Name:** ZnodeEntities.edmx **Column Name:** IsDefault	It is necessary to update the Edmx file to get the IsDefault column.
ZPD-14221	Znode.Libraries.data	**File Name:** ZnodeEntities.edmx **Column Name:** FilesName	EDMX has been updated for FilesName column.
ZPD-14221	Database	**Stored Procedure Name:** Znode_GetPimProductAttributeValues **Column Name:** FilesName	The stored procedure has been updated to get the FilesName column of the product attribute.
ZPD-14221	Database	**Stored Procedure Name:** Znode_PimAttributeValues **Column Name:** FilesName	The stored procedure has been updated to get the FilesName column value.
ZPD-14221	Database	**View Name:** View_PimAttributeValues **Column Name:** FilesName	The view's script has been updated to get the FilesName column for the product attributes.
ZPD-14121	Database	**Stored Procedure:** Znode_DeletePimProducts	The stored procedure has been updated to include logic to delete product SEO details.
ZPD-14372	Znode.Engine.Services	**File Name:** WebStoreWidgetService.cs **Method Name:** MapLinkProducts	A new method has been introduced to display associated products as per display order in the 'Frequently Bought' and 'You May Also Like' sections.
ZPD-14110	Znode.Engine.Admin	**Controller Name:** BlogNewsController **Method Name:** BlogNewsCommentList	The parameter has been added for selecting the proper record.
ZPD-14055	Znode.Engine.WebStore	**View Name:** QuoteDetail.cshtml (B2B and Default)	A new 'CustomerPaymentGUID' hidden tag has been added in both theme's QuoteDetail.cshtml pages.
ZPD-13940	Znode.Engine.WebStore	**File Name:** User.ts **Function Name:** $(#btnSaveAddress).click	The function has been removed to avoid duplicate calls.
ZPD-14426	Znode.Webstore.Core	**File Name:** CheckoutAgent.ts **Method Name:** IsValidAddress	An additional check has been added for UserId and DIsplay Name.
ZPD-14474	Znode.Engine.Api	**File Name:** Web.config **Key Name:** ZnodePaymentApiDomainName **Key Name:** ZnodePaymentApiDomainKey	To populate valid authentication headers in payment API requests, valid values for ZnodePaymentApiDomainName and ZnodePaymentApiDomainKey keys are required.
ZPD-12707	Znode.Engine.Services	**File Name:** ShoppingCartService.cs **Method Name:** GetCartInsufficientQuantityCount	In this method, a condition to check the quantity for child products has been removed for a scenario when the parent product is a Bundled Product.
ZPD-14015	Znode.Webstore.Core	**File Name:** PaymentAgent.cs **Method Name:** GetPaymentSetting	GetPaymentSetting method of PaymentAgent class now will return the paymentSettingModel if the IsCallToPaymentAPI property is false.
ZPD-13946	Znode.Engine.Admin	**File Name:** Products.ts **Method Name:** UnassociatedProductsChange	UnassociatedProductsChange function of Products.ts will be called only on unassociated product's checkbox change event instead of ajaxComplete function of jQuery.
ZPD-13711	Znode.Engine.Admin	**File Name:** Web.config **Key Name:** GenericParserImportMaxBufferSize	Custom Value for GenericParserImportMaxBufferSize key is added to update the default value of GenericParser while importing the large content.
ZPD-13968	Databse Script	**Table Name:** ZnodeAttributeInputValidationRule **Table Name:** ZnodeMediaAttributeValidation	In ZnodeAttributeInputValidationRule and ZnodeMediaAttributeValidation, new entries for file extensions are added
ZPD-13987	Znode.Api.Core	**File Name:** DependencyRegistration	As per the new implementation, ZnodeEmail file will be utilized through dependency injection and for the same, its dependency is registered in the DependencyRegistration class.
ZPD-13987	Znode.Libraries.ECommerce.Utilities	**File Name:** ZnodeEmail.cs **Method name:** SendEmail	Usage of SendEmail method of ZnodeEmailBase class is removed and is marked as obsolete

Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
		Znode v9.7 Breaking Changes	
ZPD-13987	Znode.Libraries.Framework.Business	**File Name:** ZnodeEmailBase.cs **Method Names:** SendEmail(both overloads), DeleteAttachedFile, BuildEmailMessage and SendMailByPortalId.	All email related methods which were present in ZnodeEmailBase class have been moved in ZnodeEmail class therefore following method of ZnodeEmailBase class are marked as obsolete: SendEmail (both overloads), DeleteAttachedFile, BuildEmailMessage and SendMailByPortalId.
ZPD-13879	Znode.Engine.Api.Models	**File Name**: ShoppingCartModel **Method Names**: SkipShippingCalculations and ShippingOptions	SkipShippingCalculations and ShippingOptions properties have been added to specify whether shipping agent call should be skipped or not and to save applicable shipping options in shopping cart model respectively.
ZPD-13879	Znode.Engine.Api.Models	**File Name**: ShippingOptionModel	ShippingOptionModel model is added to hold the shipping option details. A new property with name ShippingOptions have been added in shopping cart model of type ShippingOptionModel list.
ZPD-13879	Znode.Libraries.ECommerce.Entities	**File Name:** ZnodeShoppingCart	SkipShippingCalculations and FreeShipping properties have been added to specify whether shipping agent call should be skipped or not and to determine whether free shipping is applicable or not.
ZPD-13737	Znode.Engine.Services	**File Name:** ManageMessageService **Method Names:** CreateManageMessage and UpdateManageMessage	Znode_InsertManageMessages SP has been updated to accept null values in Description parameter which will allow user to create content blocks with empty message.
ZPD-13407	Znode.Libraries.Data	**File Name:** ZnodeEntities.edmx	As Message column of ZnodeCMSMessage table is now marked to allow null values, edmx entry of same table has been updated.
ZPD-13778	Znode.Admin.Core	**File Name:** CreateControlHelper.cs **Method Name:** SelectOptions	The empty option is removed
ZPD-13809	Znode.Admin.Core	**File Name:** GlobalAttributeModelMap.cs **Method Name:** SelectAttributeValueForSimpleSelectMultiMediaUpload	For simple select control type validated the attribute value to assign AttributeDefaultValueCode
ZPD-13806	Znode.Engine.Services	**File Name:** OrderService.cs ,QuoteService.cs , RMAReturnService.cs, OrderAgent.cs & CheckoutAgent.cs **Method Name:** GenerateOrderNumber	The '-fff' is removed from the date string as order number field length does not exceeds the limit.
ZPD-11749	Znode.Admin.Core	**File Name:** PriceViewModel **Property Name:** ListCode	The validation rules are changed for the property
ZPD-13242	All Application	**File Name**: Web.config(Admin/API/Webstore)	Application Initialization setting should be used only when IIS preload setting is true
ZPD-13318	All Application	**File Name**: SessionHelper	Session related changes are done for storing data in SQL. This may impact session get and storing functionality.
ZPD-12888	Znode.Libraries.Admin	**File Name:** IPublishProductHelper **Method Name:** GetDataForCartLineItems	GetDataForCartLineItems method has been marked as virtual
ZPD-12082	Znode.Webstore.Core	**File Name:** CheckoutController **Method Name:** AccountAddress	Optional parameter has been added into the AccountAddress method
ZPD-12123	Znode.Engine.Services	**File Name:** OrderService.cs **Method Name:** CancleOrderAmount	Renamed the CancleOrderAmount method to CancelOrderAmount in order to correct the spelling mistake.
ZPD-12123	Znode.Engine.Services	**File Name:** OrderService.cs **Method Name:** IsReturnAllItems	A new parameter with name isReturnItemsUpdateRequired has been added for IsReturnAllItems method to determine whether to update records in database or not. It is an optional parameter.
ZPD-12123	Znode.Engine.Services	**File Name:** OrderService.cs **Method Name:** ReturnShippingAmount	A new parameter with name isShippingCostUpdateRequired has been added for ReturnShippingAmount method to determine whether shipping cost update required or not. It is an optional parameter.

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-12123	Znode.Engine.Services	**File Name:** OrderService.cs **Method Name:** GetShippingCostForReturnedItem	A new parameter with name isLineItemUpdateRequired has been added for GetShippingCostForReturnedItem method to determine whether to update line items in database or not. It is an optional parameter.
ZPD-12123	Znode.Admin.Core	**File Name:** OrderAgent.cs **Method Name:** CapturePayment	Capture payment has been marked as Obsolete as this method is no longer in use.
ZPD-12296	Znode.Engine.Services	**File Name:** OrderService.cs **Method Name:** SaveOrder	A new parameter with name isTaxCostUpdated has been added for SaveOrder for determining whether tax cost updated or not.
ZPD-12361	Znode.Engine.Services	**File Name:** IShoppingCartMap **Method Name:** ToZnodeShoppingCart	A new parameter with name expands has been added for ToZnodeShoppingCart method for getting data on navigation properties. It is an optional parameter.
ZPD-12361	Znode.Engine.Services	**File Name:** ShoppingCartMap **Method Name**: ZnodeShoppingCart	A new parameter with name expands has been added for ZnodeShoppingCart method for getting data on navigation properties. It is an optional parameter.
ZPD-12361	Znode.Engine.Services	**File Name:** ShoppingCartMap **Method Name:** AddtoShoppingBagV2	A new parameter with name expands has been added for AddtoShoppingBagV2 method for getting data on navigation properties. It is an optional parameter.
ZPD-12361	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** IZnodeShoppingCart **Method Name:** LoadFromDatabase	A new parameter with name expands has been added for LoadFromDatabase method for getting data on navigation properties. It is an optional parameter.
ZPD-12361	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZnodeShoppingCart **Method Name:** LoadFromDatabase	A new parameter with name expands has been added for LoadFromDatabase method for getting data on navigation properties. It is an optional parameter.
ZPD-12505	Znode.Webstore.Core	**File Name:** CartAgent **Method Name:** MapQuantityOnHandAndSeoNameForConfigurableProduct	Method Name has been changed from MapQuantityOnHandForConfigurableProduct to MapQuantityOnHandAndSeoNameForConfigurableProduct
ZPD-12505	Znode.Webstore.Core	**File Name:** CartAgent **Method Name:** MapQuantityOnHandAndSeoNameForGroupProduct	Method Name has been changed from MapQuantityOnHandForGroupProduct to MapQuantityOnHandAndSeoNameForGroupProduct
ZPD-12505	Znode.Webstore.Core	**File Name:** CartAgent **Method Name:** MapQuantityOnHandAndSeoNameForSimpleAndBundleProduct	Method Name has been changed from MapQuantityOnHandForSimpleAndBundleProduct to MapQuantityOnHandAndSeoNameForSimpleAndBundleProduct.
ZPD-12505	Znode.Webstore.Core	**File Name:** CartAgent **Method Name:** MapQuantityOnHandAndSeoName	Method Name has been changed from MapQuantityOnHand to MapQuantityOnHandAndSeoName
ZPD-12505	Znode.Webstore.Core	**File Name:** ICartAgent **Method Name:** MapQuantityOnHandAndSeoName	Method Name has been changed from MapQuantityOnHand to MapQuantityOnHandAndSeoName
ZPD-12589	Znode.Engine.Api	**File Name:** web.config	For Vertex 7 to 9 upgrade basicHttpsBinding will be compulsory and endpoint address need to changed according to the Vertex 9 account.
ZPD-12699	Znode.Engine.API.Models	**File Name:** OrderShippingModel	A new property has been added - ShippingDiscountType.
ZPD-12610	Znode.Engine.API.Models	**File Name**: ShoppingCartModel	A new property has been added - IsCalculateRequired.
ZPD-12610	Znode.Engine.Service	**File Name**: OrderService **Method Name:** SetShoppingCartDataToCheckout	All properties have been changed from calculate call to directly mapping property.
ZPD-12610	Znode.Engine.Service	**File Name**: OrderService **Method Name:** SetCheckoutData	All properties have been changed from calculate call to directly mapping property.

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-12841	Znode.Engine.Taxes	**File Name:** AvataxTaxSales.cs **Method Name:** GetLine	Replaced PromotionalPrice to UnitPrice for calculating Amount
ZPD-12841	Znode.Engine.Taxes	**File Name:** VertexTax.cs **Method Name:** GetLine	Replaced PromotionalPrice to UnitPrice for calculating extendedPriceAfterDiscount
ZPD-12841	Znode.Engine.Taxes	**File Name:** ZnodeTaxSalesTax.cs **Method Name:** GetProductPrice	Replaced PromotionalPrice to UnitPrice for calculating extendedPriceAfterDiscount
ZPD-12610	Znode.Engine.Api.Model	**File Name:** ShippingCartModel	A new property has been added - IsCalculateRequired which is responsible for SkipCalculations
ZPD-12886	Znode.Engine.Service	**File Name:** ShoppingCartService **Method Name:** GetListWithRates	New method named GetListWithRates is added to the ShoppingCartService
ZPD-12611	Znode.Engine.Shipping	**File Name:** FedExAgent **Method Name:** CreateFreightRateRequest	A new parameter with name serviceType has been added for CreateFreightRateRequest method for getting data on navigation properties. It is an optional parameter.
ZPD-12611	Znode.Engine.Shipping	**File Name:** FedExAgent **Method Name:** CreateRateRequest	A new parameter with name serviceType has been added for CreateRateRequest method for getting data on navigation properties. It is an optional parameter.
ZPD-12611	Znode.Engine.Shipping	**File Name:** FedExAgent **Method Name:** SetShipmentDetails	A new parameter with name serviceType has been added for SetShipmentDetails method for getting data on navigation properties. It is an optional parameter.
ZPD-8603	Webstore Cart & Checkout	**File Name:** CartController & CheckoutController **Attribute Name:** NoCacheAttribute	New attriibute has been added to prevent caching of page on controller
ZPD-13061	Znode.Engine.Api.Client	**File Name:** UserClient **Method Name:** GetCustomerListForAdmin	A new method with name GetCustomerListForAdmin has been added to get Customers list for admin.
ZPD-13061	Znode.Engine.Service	**File Name:** UserService **Method Name:** GetUserListForAdmin	A new method with name GetUserListForAdmin has been added to get Users list for admin.
ZPD-13061	Znode.Api.Core	**File Name:** UserController **Method Name:** GetCustomerAccountListForAdmin	A new method with name GetCustomerAccountListForAdmin has been added to get Customers list for admin.
ZPD-13061	Znode.Api.Core	**File Name:** UserCache **Method Name:** GetUserListForAdmin	A new method with name GetUserListForAdmin has been added to get Users list for admin.
ZPD-13213	Znode.Engine.Admin	**File Name:** GridFilterRazorHelper.cshtml	A new view GridFilterRazorHelper.cshtml has been added.
ZPD-13243	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZnodeShoppingCart.cs **Method Name:** SetGroupAndConfigurableParentProductDetails	1. For group product, assign values to respective item. ProductDiscountAmount 2. For group product, assign values to respective item.DiscountAmount
ZPD-13009	Znode.Admin.Core	**File Name:** FilterHelpers.cs **Method Name:** GetSetFiltersFromCookies	1. Clear cookies based on cookie name before setting new value to same cookie name
ZPD-13204	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZNodeShoppingCart.cs **Method Name:** GetPublishProductModel	A new optional parameter configParentSKU has been added for GetPublishProductModel method for determining whether requested product is configurable or not.
ZPD-13398	Znode.Engine.Service	**File Name:**OrderService.cs **Method Name:** BindReturnAmount	Subtracted the returnLineItem's discount from return amount to get the same return amount as in order history
ZPD-13331	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZnodeOrderReceipt.cs **Method Name:** SetOrderAmountData	Removed the minus sign from the GiftCard amount to print the amount value without minus sign.
ZPD-13537	Znode.Engine.Services	**File Name:** UserLoginHelper **Method Name:** GetUserDetails	A new method GetUserDetails has been introduced in place of GetUser, CurrentMethod which gets AspNetZnodeUser, RoleName, PermissionAccess, PublishCatalogId to improve the performance.

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-7422	Znode.Engine.Services	**File Name**: OrderService **Method Name**: GetOrderReceiptByOrderId	Instead of multiple database calls, a new SP has been created which return values of OrderDetail, ZnodeShipping, OrderLineItems, ZnodeOmsOrderState in same SP call.
ZPD-13592	Znode.Admin.Core	**File Name** : CustomerController.cs **Method Name:** CustomerEdit	In this method now GetCustomerAccountDetails() method has been called to get details instead of GetCustomerAccountById(). Also, in GetCustomerAccountdetails() method, a new SP Znode_AdminUserDetailsByUserId has been called to get the user details in manage user instead of Znode_AdminUsersByUserId.
ZPD-13562	Znode.Engine.Services	**File Name :** UserService.cs **Method Name:** GetAndBindUserData	In this method now GetUserListForWebstore() method has been called in Edit Profile (web store) for saving changes instead of GetUserList(). Also, in GetUserListForWebstore() method, a new SP Znode_AdminUsersEditProfile has been called to get the user details in Edit Profile (web store) of Znode_AdminUsersByUserId.
ZPD-13540	Znode.WebStore.Core	**File Name**:CheckoutAgent **Method Name:** PaymentOptions	Cache is implemented in the PaymentOptions method which will be used to get the payment list. Data will be fetched from cache so there will be a need to clear cache if any method changes.
ZPD-13540	Znode.WebStore.Core	**File Name** :PaymentAgent **Method Name** : GetPaymentDetails	Cache is implemented in the GetPaymentDetails method which will be used to get the payment details. Data will be fetched from cache so there will be a need to clear cache if any method changes.
ZPD-13686	Znode.Engine.Services	**File Name** :ShoppingCartService **Method Name** : GetCartCount	Linq calls from the GetCartCount method are removed and instead, Znode_GetOmsSavedCartLineItemCount stored procedure will be called to get the cart count.
ZPD-13812	Znode.Engine.Api.Models	**File Name** : AddToCartStatusModel	AddToCartStatusModel model has been added to store the output of the addtocart method that consists of cart count, savedCartId and status.
ZPD-13812	Znode.Libraries.Admin	**File Name** :ZnodeOrderHelper **Method Name** : SaveAllCartLineItemsInDatabase	A new overload method SaveAllCartLineItemsInDatabase has been added and additional calls (like fetch SavedCartId and cart count) are removed. The required data will be returned from the stored procedure directly
ZPD-13812	Znode.Libraries.ECommerce.ShoppingCart	**File Name :** ZNodeShoppingCart **Method Name :** SaveAddToCartData	The SaveAllCartLineItemsInDatabase overload method will be called to save the cart line items.
ZPD-13879	Znode.Engine.Api.Models	**File Name:** ShoppingCartModel	SkipShippingCalculations and ShippingOptions properties have been added to specify whether shipping agent call should be skipped or not and to save applicable shipping options in shopping cart model respectively.
ZPD-13879	Znode.Engine.Api.Models	**File Name:** ShippingOptionModel	ShippingOptionModel model is added to hold the shipping option details. A new property with name ShippingOptions have been added in shopping cart model of type ShippingOptionModel list.
ZPD-13684	Znode.Engine.Shipping	**File Name:** ZnodeShippingHelper **Method Name**: GetShippingRuleList	Linq calls have been removed from the GetShippingRuleList method. The call to Znode_GetShippingRuleDetails stored procedure has been added to get shipping rule.
ZPD-13684	Znode.Engine.Services	**File Name:** ZnodeShippingCartMap.cs **File Name:** IZnodeShippingCartMap	New files have been added to map the shopping cart limited data when shipping methods are fetched.
ZPD-13879	Znode.Libraries.ECommerce.Entities	**File Name:** ZnodeShoppingCart **Method Name:** SkipShippingCalculations **Method Name:** FreeShipping	SkipShippingCalculations and FreeShipping properties have been added to specify whether shipping agent call should be skipped or not and to determine whether free shipping is applicable or not.

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-13922	Znode.Engine.Services	**File Name :** UserService **Method Name :** SendResetPassword	SendResetPassword method has been modified to call Send Email method in asynchronous manner.
ZPD-13922	Znode.Engine.Services	**File Name :** UserService **Method Name :** SendEmail	New method SendEmail has been added to accept "ZnodePortalSmtpSetting" model which allows async operation.
ZPD-14131	Znode.WebStore.Core	**File Name :** CategoryController **Method Name :** GetMegaMenuList	Previously, Donut cache was used to cache the result of GetMegaMenuList action of CategoryController. Now, Output cache will be used for the mentioned action.
ZPD-14131	Znode.WebStore.Core	**File Name:** ProductController **Method Names:** BriefContent and DetailsContent	Previously, Donut cache was used to cache the result of BriefContent and DetailsContent actions of ProductController. Now, Output cache will be used for the mentioned actions.
ZPD-14131	Znode.WebStore.Core	**File Name:** ContentPageController **Method Name:** ContentPageContent	Previously, Donut cache was used to cache the result of ContentPageContent action of ContentPageController. Now, Output cache will be used for the mentioned action.
ZPD-15028	Znode.Engine.Taxes	**File Name:** ZnodeTaxManager.cs	An object is created using GetService method instead of new keyword. Public methods are changed to virtual, and private methods are changed to protected virtual.
ZPD-15028	Znode.Engine.Shipping	**File Name:** ZnodeShippingHelper.cs	An object of ZnodeShippingHelper.cs is created using GetService method instead of new keyword. Public methods are changed to virtual.
ZPD-15138	Znode.Engine.Taxes	**File Name:** ZnodeTaxHelper.cs	An object of ZnodeTaxHelper.cs is created using GetService method instead of new keyword. Public methods are changed to public virtual.
ZPD-14101	Znode.Webstore.Core	**File Name:** PortalAgent.cs **Method Name:** ChangeLocale	The cache clearing code from ChangeLocale method of LocalAgent is no longer required as localeId is considered to vary the webstore cache.
ZPD-14130	Znode.Engine.Api	**File Name:** Web.config **Key Name:** CacheIndexBaseName	The value of the Key is changed to "cache-dev-".
ZPD-14130	Znode.Engine.Api	**File Name:** Web.config **Key Names:** CacheIndexBaseName, CacheMetricRecordingEnabled, CachePollFrequencyInMilliseconds and CacheEventProcessingDelayInMilliseconds	New keys were added in the config for cache eviction.
ZPD-14130	Znode.Engine.WebStore	**File Name:** Web.config **Key Name:** CacheIndexBaseName	The value of the Key is changed to "cache-dev-".
ZPD-14130	Znode.Engine.WebStore	**File Name:** Web.config **Key Names:** ElasticsearchRootUri, CacheIndexBaseName, CacheMetricRecordingEnabled, CachePollFrequencyInMilliseconds and CacheEventProcessingDelayInMilliseconds	New keys were added in the config for cache eviction.
ZPD-14130	Znode.Api.Caching Znode.Libraries.Caching.Events Znode.WebStore.Caching	-	Three new projects are added in the Libraries folder for API caching, Webstore caching and Caching Events.
ZPD-14130	Znode.Admin.Core	**File Name:** StoreAgent **Method Name:** ClearApiCache	The mentioned method has been removed and instead, ClearApiCache cache eviction is used.
ZPD-14130	Znode.Engine.Api.Client	**File Name:** PortalClient **Method Name:** ClearApiCache	The mentioned method has been removed.
ZPD-14130	Znode.Admin.Core	**File Name:** ClearCacheHelper	Cache eviction is used to clear cache.
ZPD-14130	Service	**File Name:** BaseService **Method Name:** GetPublishedPortals	Previously the method used to return a string value, and now its return the integer array.
ZPD-14130	Admin	**File Name:** StoreController **Method Name:** ClearDemoWebsiteCache	The mentioned method has been removed.

Znode v9.7 Breaking Changes			
Jira ID	**Project Name**	**File/ Method/ Property/ Table/ Stored Procedure Name**	**Breaking Changes**
ZPD-14130	Znode.Libraries.ECommerce.Utilities	**File Name:** CachedKeys	The file has been added to store the cache keys.
ZPD-14130	Znode.Libraries.ECommerce.Utilities	**File Name:** HelperUtility **Method Name:** ClearCache	The mentioned method has been removed.
ZPD-14131	Znode.WebStore.Core	**File Name:** CategoryController **Method Names:** TopLevelList, CategoryContent and FooterMenu	Output cache has been applied for TopLevelList and CategoryContent child actions of CategoryController to overcome the flaws/issues that exist in Donut caching. In Znode fine food theme, category list in footer section has been rendered through TopLevelList child action which is not allowed in case of Output caching therefore new child action has been created with name FooterMenu. Constraint: Output Cache is not allowed on child actions which are children of an already cached child action.
ZPD-14131	Znode.WebStore.Core	**File Name:** CategoryController **Method Name:** HomeContent and FooterContent	Previously, Donut cache was used to cache the result of HomeContent and FooterContent actions of CategoryController. Now, Output cache will be used for the mentioned actions.
ZPD-14131	Znode.WebStore.Core	**File Name:** DynamicContentController **Method Name:** GetDynamicstyles	Dynamic styles for views are now fetched from Dynamicstyle property of CurrentPortal so GetDynamicstyles action is no longer required.
ZPD-14131	Znode.WebStore.Core	**File Name:** ProductController **Method Name:** BriefContent and DetailsContent	Previously, Donut cache was used to cache the result of BriefContent and DetailsContent actions of ProductController. Now, Output cache will be used for the mentioned actions.
ZPD-14131	Znode.WebStore.Core	**File Name:** ContentPageController **Method Name:** ContentPageContent	Previously, Donut cache was used to cache the result of ContentPageContent action of ContentPageController. Now, Output cache will be used for the mentioned action.
ZPD-13540	Znode.WebStore.Core	**File Name:** CheckoutAgent **Method Name:** PaymentOptions	1. Cache is implemented in the PaymentOptions method which will be used to get the payment list. 2. Data will be fetched from cache so there will be a need to clear cache if any method changes.
ZPD-13540	Znode.WebStore.Core	**File Name:** PaymentAgent **Method Name:** GetPaymentDetails	1. Cache is implemented in the GetPaymentDetails method which will be used to get the payment details. 2. Data will be fetched from cache so there will be a need to clear cache if any method changes.
ZPD-13686 ZPD-13728	Znode.Engine.Services	**File Name:** ShoppingCartService **Method Name:** GetCartCount	Linq calls from the GetCartCount method are removed and instead, Znode_GetOmsSavedCartLineItemCount stored procedure will be called to get the cart count.
ZPD-13812	Znode.Engine.Api.Models	**File Name:** AddToCartStatusModel	AddToCartStatusModel model has been added to store the output of the addtocart method that consists of cart count, savedCartId and status.
ZPD-13812	Znode.Libraries.Admin	**File Name:** ZnodeOrderHelper **Method Name:** SaveAllCartLineItemsInDatabase	A new overload method SaveAllCartLineItemsInDatabase has been added and additional calls (like fetch SavedCartId and cart count) are removed. The required data will be returned from the stored procedure directly
ZPD-13812	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZNodeShoppingCart **Method Name:** SaveAddToCartData	SaveAllCartLineItemsInDatabase overload method will be called to save the cart line items.
ZPD-13879	Znode.Engine.Api.Models	**File Name:** ShoppingCartModel	SkipShippingCalculations and ShippingOptions properties have been added to specify whether shipping agent call should be skipped or not and to save applicable shipping options in shopping cart model respectively.

Znode v9.7 Breaking Changes			
Jira ID	**Project Name**	**File/ Method/ Property/ Table/ Stored Procedure Name**	**Breaking Changes**
ZPD-13879	Znode.Engine.Api.Models	**File Name:** ShippingOptionModel	ShippingOptionModel model is added to hold the shipping option details. A new property with name ShippingOptions have been added in shopping cart model of type ShippingOptionModel list.
ZPD-13684	Znode.Engine.Shipping	**File Name:** ZnodeShippingHelper **Method Name:** GetShippingRuleList	Linq calls have been removed from the GetShippingRuleList method. The call to Znode_GetShippingRuleDetails stored procedure has been added to get shipping rule.
ZPD-13879	Znode.Libraries.ECommerce.Entities	**File Name:** ZnodeShoppingCart	SkipShippingCalculations and FreeShipping properties have been added to specify whether shipping agent call should be skipped or not and to determine whether free shipping is applicable or not.
ZPD-13660	Znode.Engine.Services	**File Name:** UserService **Method Name:** SendResetPassword	SendResetPassword method has been modified to call Send Email method in asynchronous manner.
ZPD-13660	Znode.Libraries.ECommerce.Utilities	**File Name:** UserService **Method Name:** SendEmail	New method SendEmail has been added to accept "ZnodePortalSmtpSetting" model which allows async operation.
ZPD-13537	Znode.Engine.Services	**File Name:** UserLoginHelper **Method Name:** GetUserDetails	A new method GetUserDetails has been introduced in place of GetUser,CurrentMethod which gets AspNetZnodeUser, RoleName, PermissionAccess, PublishCatalogId to improve the performance.
ZPD-13535	Znode.Engine.Services	**File Name:** OrderService **Method Name:** GetOrderReceiptByOrderId	Instead of multiple database calls, a new SP has been created which return values of OrderDetail, ZnodeShipping, OrderLineItems, ZnodeOmsOrderState in same SP call.
ZPD-13585	Znode.Admin.Core	**File Name** : CustomerController.cs **Method Name**: CustomerEdit	1.In this method now GetCustomerAccountDetails() method has been called to get details instead of GetCustomerAccountById(). 2. Also, in GetCustomerAccountdetails() method, a new SP Znode_AdminUserDetailsByUserId has been called to get the user details in manage user instead of Znode_AdminUsersByUserId.
ZPD-13562	Znode.Engine.Services	**File Name**: UserService.cs **Method Name**: GetAndBindUserData	1.In this method now GetUserListForWebstore() method has been called in Edit Profile (web store) for saving changes instead of GetUserList(). 2.Also, in GetUserListForWebstore() method, a new SP Znode_AdminUsersEditProfile has been called to get the user details in Edit Profile (web store) of Znode_AdminUsersByUserId.
ZPD-13340	Znode.Engine.Services	**File Name:** ShoppingCartService **Method Name:** RemoveSavedCartLineItem	In the method RemoveSavedCartLineItem new SP "Znode_DeleteSaveCartLineItem" has been called to manage all the records from SP and to avoid the deadlock like situation.
ZPD-13814	Znode.Engine.Services	**File Name:** ClearCacheHelper **Method Name:** GetActiveDomain	Earlier, only production cache was getting cleared using the method GetActiveDomain but now it will also clear preview cache.
9.3.2.15 ZPD-13213	Znode.Engine.Admin	**File Name:** GridFilterRazorHelper.cshtml	New view GridFilterRazorHelper.cshtml has been introduced.
ZPD-13243	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZnodeShoppingCart.cs **Method Name:** SetGroupAndConfigurableParentProductDetails	ProductDiscountAmount has been assigned to item.DiscountAmount value for grouped product and configurable product
ZPD-13009	Znode.Admin.Core	**File Name:** FilterHelpers.cs **Method Name:** GetSetFiltersFromCookies	Clear cookies based on cookie name before setting new value to same cookie name
ZPD-12660	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZNodeShoppingCart.cs **Method Name:** GetPublishProductModel	An optional paramter is added.
ZPD-13044	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZnodeCheckout.cs **Method Name:** AddLineItemsInOrderLineItem	Added condition to assign shoppingCartItem.TaxCost to childLineItem. SalesTax id the orderlineitem value is Grouped product or Configurable product

Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
		Znode v9.7 Breaking Changes	
ZPD-13063, ZPD-13061	Znode.Engine.Api.Client	**File Name**: UserClient.cs **Method Name**: GetCustomerListForAdmin	A new method GetCustomerListForAdmin is introduced.
ZPD-13063, ZPD-13061	Znode.Engine.Service	**File Name**: UserService.cs **Method Name:** GetUserListForAdmin	A new method GetUserListForAdmin introduced.
ZPD-13063, ZPD-13062	Znode.Api.Core	**File Name**: UserController.cs **Method Name**: GetCustomerAccountListForAdmin	A new method GetCustomerAccountListForAdmin introduced.
ZPD-13063, ZPD-13062	Znode.Api.Core	**File Name**: UserCache.cs **Method Name**: GetUserListForAdmin	A new method GetUserListForAdmin introduced.
ZPD-12618	Znode.Engine.Taxes	**File Name:** AvataxTaxSales.cs **Method Name:** BindReturnLineItem	ReturnItem amount with the help of UnitPrice instead of PromotionalPrice has been calculated
ZPD-12618	Znode.Engine.Taxes	**File Name:** VertexTax.cs **Method Name:** GetLineISIType	ExtendedPrice of a LineIterm with the help of UnitPrice instead of PromotionalPrice has been calculated
ZPD-12841	Znode.Engine.Taxes	**File Name:** ZnodeTaxSalesTax.cs **Method Name:** GetProductPrice	1. UnitPrice is getting used for calculating extendedPriceAfterDiscount instead of PromotionalPrice
ZPD-12610	Znode.Engine.Api.Model	**File Name:** ShoppingCartModel.cs	Property IsCalculateRequired is updated to SkipCalculations on checkout page.
ZPD-12611	Znode.Engine.Service	**File Name:** ShoppingCartService.cs **Method Name:** GetListWithRates	New method GetListWithRates has been added to get complete fedex shipping list.
ZPD-15301	Znode.Engine.Shipping	**File Name:** FedExAgent.cs **Method Name:** CreateFreightRateRequest	A new parameter with name serviceType has been added to allow method to bring data according to service type.
ZPD-15301	Znode.Engine.Shipping	**File Name:** FedExAgent.cs **Method Name:** CreateRateRequest	A new parameter with name serviceType has been added to allow method to bring data according to service type.
ZPD-15301	Znode.Engine.Shipping	**File Name:** FedExAgent.cs **Method Name**: SetShipmentDetails	A new parameter with name serviceType has been added to allow method to bring data according to service type.
ZPD-12589	Znode.Engine.Api	**File Name:** web.config	For Vertex 7 to 9 upgrade basicHttpsBinding will be compulsory and endpoint address need to changed according to the Vertex 9 account.
ZPD-12699	Znode.Engine.API.Models	**File Name:** OrderShippingModel	A new property with name ShippingDiscountType has been added for storing shipping discount type.
ZPD-12699	Znode.Engine.API.Models	**File Name:** ShoppingCartModel	A new property with name IsCalculateRequired has been added for check calculation required.
ZPD-12610	Znode.Engine.Service	**File Name:** OrderService **Method Name:** SetShoppingCartDataToCheckout	All properties have been changed from calculate call to directly mapping property.
ZPD-12610	Znode.Engine.Service	**File Name:** OrderService **Method Name:** SetCheckoutData	All properties have been changed from calculate call to directly mapping property.
ZPD-12504	Znode.Webstore.Core	**File Name:** ICartAgent & CartAgent **Method Name:**CalculateShipping method	A new parameter with name isCalculateCart has been added for CalculateShipping method for determining whether calculation is required or not.
ZPD-12504	Znode.Webstore.Core	**File Name:** ICartAgen & CartAgent **Method Name:** GetBillingShippingAddress method of	A new parameter with name isCalculateCart has been added for GetBillingShippingAddress method for determining whether calculation is required or not.
ZPD-12504	Znode.Webstore.Core	**File Name:** ICartAgen & CartAgent **Method Name:** GetAddressById	A new parameter with name isCalculateCart has been added for GetAddressById method for determining whether calculation is required or not.
ZPD-12504	Znode.Webstore.Core	**File Name:** CheckoutController **Method Names:** RefreshAddressOptions, CartReview and GetAddressById	A new parameter with name isCalculateCart has been added for RefreshAddressOptions, CartReview and GetAddressById methods for determining whether calculation is required or not.

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Jira ID	**Project Name**	**File/ Method/ Property/ Table/ Stored Procedure Name**	**Breaking Changes**
ZPD-12361	Znode.Engine.Services	**File Name:** IShoppingCartMap **Method:** ToZnodeShoppingCart	A new parameter with name isCalculateCart has been added for CalculateShipping method for determining whether calculation is required or not.
ZPD-12361	Znode.Engine.Services	**File Name**: ShoppingCartMap	A new parameter with name expands has been added to allow method to bring data according to navigation properties.
ZPD-12361	Znode.Engine.Services	**File Name:** ShoppingCartMap **Method:** AddtoShoppingBagV2	A new parameter with name expands has been added to allow method to bring data according to navigation properties.
ZPD-12361	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** IZnodeShoppingCart **Method:** LoadFromDatabase	A new parameter with name expands has been added to allow method to bring data according to navigation properties.
ZPD-12361	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** ZnodeShoppingCart **Method:** LoadFromDatabase	A new parameter with name expands has been added to allow method to bring data according to navigation properties.
ZPD-12296	Znode.Engine.Services	**File Name:** OrderService.cs **Method Name:** SaveOrder	A new parameter with name isTaxCostUpdated has been added for SaveOrder method for determining whether tax cost updated or not.
ZPD-12296	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** IZnodeCheckout, ZnodeCheckout **Method Name:** SubmitOrder	A new parameter with name isTaxCostUpdated has been added for SubmitOrder method for determining whether tax cost updated or not.
ZPD-12296	Znode.Libraries.ECommerce.ShoppingCart	**File Name:** IZnodeCheckout, ZnodeCheckout **Method Name:** PostSubmitOrderProcess	A new parameter with name isTaxCostUpdated has been added for PostSubmitOrderProcess method for determining whether tax cost updated or not.
ZPD-12123	Znode.Engine.Services	**File Name:** OrderService.cs **Method Name:** CancelOrderAmount	A new parameter with name isReturnItemsUpdateRequired has been added for IsReturnAllItems method for determining whether return items updation required or not.
ZPD-12123	Znode.Engine.Services	**File Name:** OrderService.cs **Method Name:** CancelOrderAmount	A new parameter with name isShippingCostUpdateRequired has been added for ReturnShippingAmount method for determining whether shipping cost update required or not.
ZPD-12123	Znode.Engine.Services	**File Name:** OrderService.cs	A new parameter with name isLineItemUpdateRequired has been added for GetShippingCostForReturnedItem method for determining whether line item update required or not.
ZPD-12123	Znode.Admin.Core	**File Name:** OrderAgent.cs	CapturePayment method with below mentioned signature is marked Obsolete: bool CapturePayment(int OmsOrderId, string paymentTransactionToken, bool isUpdateOrderHistory, out string errorMessage)
ZPD-12123	Znode.Admin.Core	**File Name:** OrderAgent.cs	CapturePayment method with below mentioned signature: BooleanModel CapturePayment(string paymentTransactionToken)
ZPD-12123	Znode.Admin.Core	**File Name:** OrderAgent.cs **Method Name:** VoidRefundPayment	A new parameter with name isSaveOrder has been added for VoidRefundPayment method and also changed the method return type for determining whether to proceed with the order saving or not.
ZPD-11934	Znode.Libraries.Admin	**File Name:** PublishProductHelper **Method Name:** GetDataForCartLineItems	A new parameter with name includeInactiveProduct has been added for GetDataForCartLineItems for determining whether to include inactive products for further processing or not.
ZPD-10376	Znode.Webstore.Core	**File Name:** CheckoutController **Method Name:** AccountAddress	An optional parameter isAddressFromSession has been added in AccountAddress method of CheckoutController class.

Znode v9.7 Breaking Changes			
Jira ID	Project Name	File/ Method/ Property/ Table/ Stored Procedure Name	Breaking Changes
ZPD-11182	Znode.Libraries.ECommerce.Entities Znode.Libraries.ECommerce.ShoppingCart	**Property Name:** public virtual decimal Total **Property Name:** public virtual decimal OrderTotalWithoutVoucher	public virtual decimal OrderTotalWithoutVoucher This property has been added which holds the order total without voucher amount. public virtual decimal Total will now hold the OrderTotalWithoutVoucher + Voucher amount, which is same as earlier. Only On the receipt pages we are using OrderTotalWithoutVoucher to show order total.