

**Version:** 4.5

**Published date:** October 2024

Copyright © 2024 by ESW. All rights reserved. Information contained herein is subject to change without notice.

SiteGenesis - Code Customization guide



**SFCC - ESW Cartridge**

+

Table of Contents

[Table of Contents 2](#_Toc72762228)

[1 SiteGenesis 3](#_Toc72762229)

[Customizing the code 3](#_Toc72762230)

[1.1 Customizing the templates 3](#_Toc72762231)

[1.1.1 header.isml 3](#_Toc72762232)

[1.1.2 footer.isml 4](#_Toc72762233)

[1.1.3 footer\_UI.isml 4](#_Toc72762234)

[1.1.4 cart.isml 5](#_Toc72762235)

[1.1.5 minicart.isml 8](#_Toc72762236)

[1.1.6 minilineitems.isml 9](#_Toc72762237)

[1.1.7 orderdetails.isml 9](#_Toc72762238)

[1.1.8 ordertotals.isml 11](#_Toc72762239)

[1.1.9 pricing.isml 14](#_Toc72762240)

[1.1.10 producttile.isml 15](#_Toc72762241)

[1.1.11 productsearchbreadcrumbs.isml 17](#_Toc72762242)

[1.1.12 productsearchrefinebar.isml 17](#_Toc72762243)

[1.1.13 suggestions.isml 18](#_Toc72762244)

[1.1.14 productcontent.isml 18](#_Toc72762245)

[1.1.15 producttopcontentPS.isml 20](#_Toc72762246)

[1.1.16 productsetproduct.isml 21](#_Toc72762247)

[1.1.17 displayliproduct.isml 21](#_Toc72762248)

[1.1.18 orders.isml 22](#_Toc72762249)

[1.2 Customizing the controllers 22](#_Toc72762250)

[1.2.1 Currency.js 22](#_Toc72762251)

[1.2.2 Cart.js 25](#_Toc72762252)

[1.2.3 COCustomer.js 25](#_Toc72762253)

[1.3 Customizing the scripts and json 26](#_Toc72762254)

[1.3.1   Resource.ds 26](#_Toc72762255)

[1.3.2 OnRequest.js 27](#_Toc72762256)

[1.3.3 validateCartForCheckout.js 28](#_Toc72762257)

[1.3.4 calculate.js 29](#_Toc72762258)

[1.3.5 hooks.json 30](#_Toc72762259)

1 SiteGenesis

Customizing the code

Important: The path for files listed in this section are based on the controller. Ensure that you add the code to the relevant cartridge.

1.1 Customizing the templates

1.1.1 header.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/components/header/header.isml |



Text

Description automatically generated

|  |
| --- |
| <isset name=*"eswHelper"* value=*"${require('\*/cartridge/scripts/helper/eswHelper').getEswHelper()}"* scope=*"page"*/> |
| <isif condition="${eswHelper.getEShopWorldModuleEnabled() && eswHelper.getEnableLandingPage() && request.httpParameterMap.get(dw.system.Site.current.preferences.custom.eswCountryUrlParam) == false}">     <isinclude url="${URLUtils.url('EShopWorld-GetEswLandingPage', dw.system.Site.current.getCustomPreferenceValue('eswCountryUrlParam'),pdict.CurrentHttpParameterMap.get(dw.system.Site.current.getCustomPreferenceValue('eswCountryUrlParam')))}"/>  </isif> |
| <isif condition="${eswHelper.getEShopWorldModuleEnabled()}">  <isinclude url="${URLUtils.url('EShopWorld-GetEswHeader', 'pageContextType', pageContext.type, dw.system.Site.current.getCustomPreferenceValue('eswCountryUrlParam'), pdict.CurrentHttpParameterMap.get(dw.system.Site.current.getCustomPreferenceValue('eswCountryUrlParam')))}"/></isif>  <isif condition="${eswHelper.getEShopWorldModuleEnabled() && eswHelper.isFrontendConversionEnabled()}">     <isinclude url="${URLUtils.url('EShopWorld-GetEswAppResources', dw.system.Site.current.getCustomPreferenceValue('eswCountryUrlParam'),pdict.CurrentHttpParameterMap.get(dw.system.Site.current.getCustomPreferenceValue('eswCountryUrlParam')))}"/>  </isif>  <isif condition="${eswHelper.getEShopWorldModuleEnabled() && eswHelper.isESWSupportedCountry()}">     <i class="eshopworld-loader d-none"></i>  </isif> |

1.1.2 footer.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/components/footer/footer.isml |

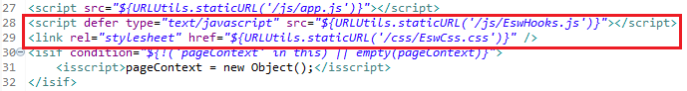
A picture containing diagram

Description automatically generated

|  |
| --- |
| <isif condition="${eswHelper.getEShopWorldModuleEnabled()}">     <isinclude url="${URLUtils.url('EShopWorld-GetEswFooter', 'pageContextType', pageContext.type, dw.system.Site.current.getCustomPreferenceValue('eswCountryUrlParam'), pdict.CurrentHttpParameterMap.get(dw.system.Site.current.getCustomPreferenceValue('eswCountryUrlParam')))}"/>  </isif> |

1.1.3 footer\_UI.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/components/footer/footer\_UI.isml |



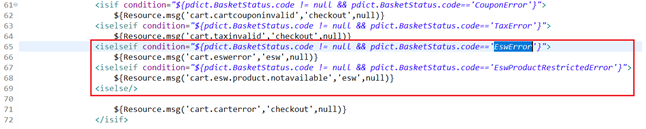
|  |
| --- |
| <script defer type=*"text/javascript"* src=*"${URLUtils.staticURL('/js/EswHooks.js')}"*></script>  <link rel=*"stylesheet"* href=*"${URLUtils.staticURL('/css/EswCss.css')}"* /> |

1.1.4 cart.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/checkout/cart/cart.isml |



|  |
| --- |
| <button id=*"btnCheckout"* class=*"button-fancy-large<isif condition="*${eswHelper.getEShopWorldModuleEnabled() && eswHelper.isESWSupportedCountry()}"> btnCheckout</isif>" type="submit" value="${Resource.msg('global.checkout','locale',null)}" name="${pdict.CurrentForms.cart.checkoutCart.htmlName}"> |
| <button id=*"btnCheckout"* class=*"button-fancy-large<isif condition="*${eswHelper.getEShopWorldModuleEnabled() && eswHelper.isESWSupportedCountry()}"> btnCheckout</isif>" disabled="disabled" type="submit" value="${Resource.msg('global.checkout','locale',null)}" name="${pdict.CurrentForms.cart.checkoutCart.htmlName}"> |

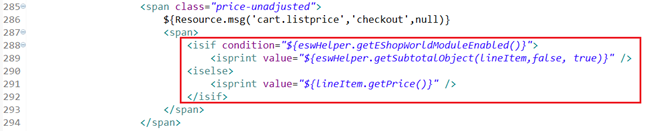


|  |
| --- |
| <iselseif condition=*"${pdict.BasketStatus.code != null && pdict.BasketStatus.code=='EswError'}"*>  ${Resource.msg('cart.eswerror','esw',null)}  <iselseif condition=*"${pdict.BasketStatus.code != null && pdict.BasketStatus.code=='EswProductRestrictedError'}"*>  ${Resource.msg('cart.esw.product.notavailable','esw',null)}  <iselse/> |

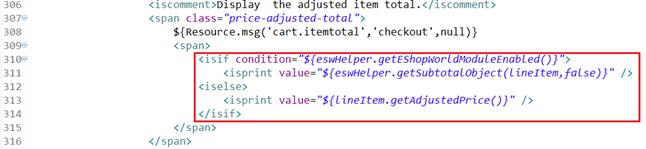
Use the EShopWorld-GetConvertedPrice controller as shown to convert prices:



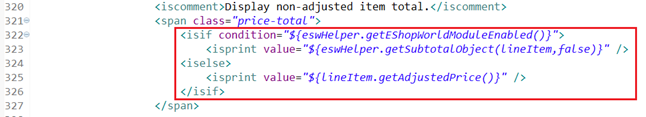
|  |
| --- |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <span class=*"price-standard"*><isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', StandardPrice, 'noAdjustment', false)}"*/></span>  <span class=*"price-sales"*><isprint value=*"${eswHelper.getSubtotalObject(lineItem, false, false, true)}"* /></span>  <iselse>  <span class=*"price-standard"*><isprint value=*"${StandardPrice}"* /></span>  <span class=*"price-sales"*><isprint value=*"${SalesPrice}"* /></span>  </isif> |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <isprint value=*"${eswHelper.getSubtotalObject(lineItem, false, false, true)}"* />  <iselse>  <isprint value=*"${SalesPrice}"* />  </isif> |



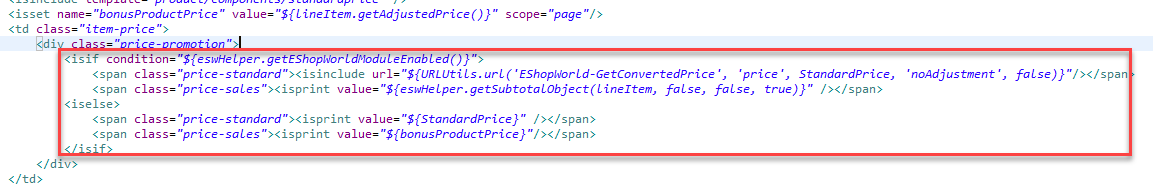
|  |
| --- |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <isprint value=*"${eswHelper.getSubtotalObject(lineItem,false, true)}"* />  <iselse>  <isprint value=*"${lineItem.getPrice()}"* />  </isif> |



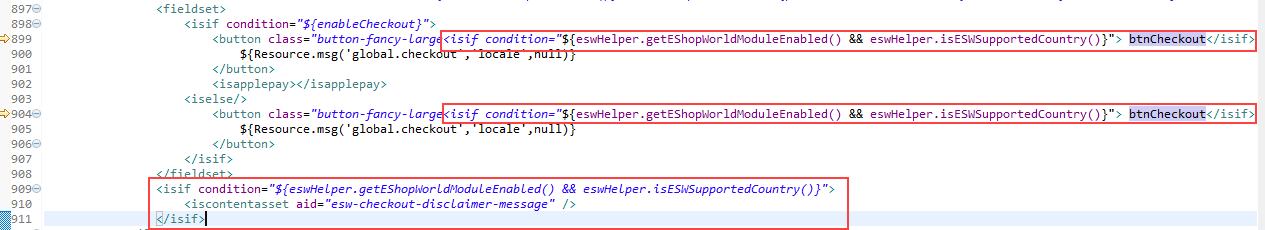
|  |
| --- |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <isprint value=*"${eswHelper.getSubtotalObject(lineItem,false)}"* />  <iselse>  <isprint value=*"${lineItem.getAdjustedPrice()}"* />  </isif> |



|  |
| --- |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <isprint value=*"${eswHelper.getSubtotalObject(lineItem,false)}"* />  <iselse>  <isprint value=*"${lineItem.getAdjustedPrice()}"* />  </isif> |



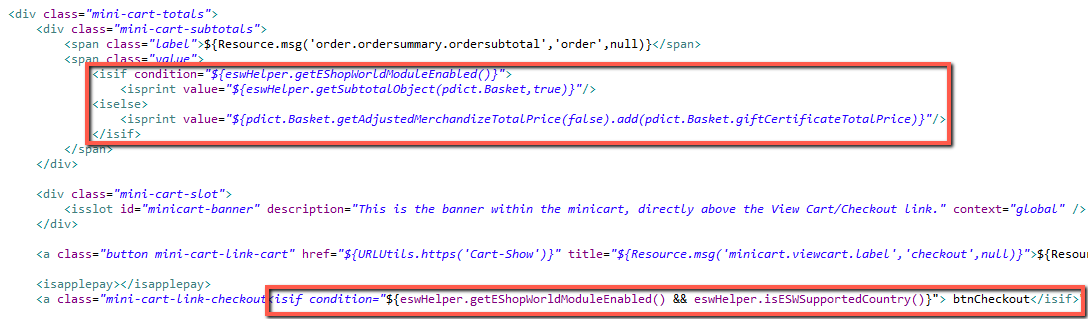
|  |
| --- |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <span class=*"price-standard"*><isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', StandardPrice, 'noAdjustment', false)}"*/></span>  <span class=*"price-sales"*><isprint value=*"${eswHelper.getSubtotalObject(lineItem, false, false, true)}"* /></span>  <iselse>  <span class=*"price-standard"*><isprint value=*"${StandardPrice}"* /></span>  <span class=*"price-sales"*><isprint value=*"${bonusProductPrice}"*/></span>  </isif> |



|  |
| --- |
| <button class=*"button-fancy-large<isif condition="*${eswHelper.getEShopWorldModuleEnabled() && eswHelper.isESWSupportedCountry()}"> btnCheckout</isif>" type="submit" value="${Resource.msg('global.checkout','locale',null)}" name="${pdict.CurrentForms.cart.checkoutCart.htmlName}">  ${Resource.msg('global.checkout','locale',null)}  </button>  <button class=*"button-fancy-large<isif condition="*${eswHelper.getEShopWorldModuleEnabled() && eswHelper.isESWSupportedCountry()}"> btnCheckout</isif>" disabled="disabled" type="submit" value="${Resource.msg('global.checkout','locale',null)}" name="${pdict.CurrentForms.cart.checkoutCart.htmlName}">  ${Resource.msg('global.checkout','locale',null)}  </button> |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled() && eswHelper.isESWSupportedCountry()}"*>  <iscontentasset aid=*"esw-checkout-disclaimer-message"* />  </isif> |

1.1.5 minicart.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/checkout/cart/minicart.isml |





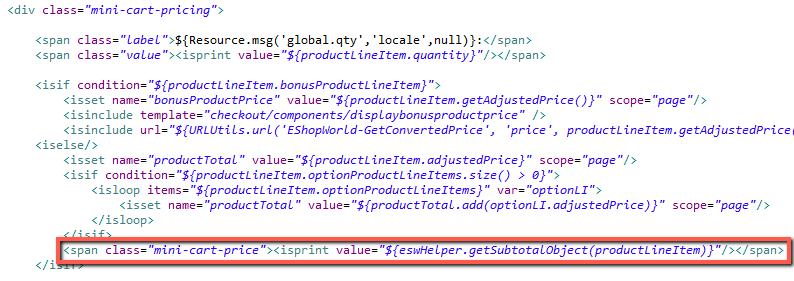
|  |
| --- |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <isprint value=*"${eswHelper.getSubtotalObject(pdict.Basket,true)}"*/>  <iselse>  <isprint value=*"${pdict.Basket.getAdjustedMerchandizeTotalPrice(false).add(pdict.Basket.giftCertificateTotalPrice)}"*/>  </isif> |
| <a class=*"mini-cart-link-checkout<isif condition="*${eswHelper.getEShopWorldModuleEnabled() && eswHelper.isESWSupportedCountry()}"> btnCheckout</isif>" href="${URLUtils.https('COCustomer-Start')}" title="${Resource.msg('minicart.directcheckout','checkout',null)}">${Resource.msg('minicart.directcheckout','checkout',null)} &raquo;</a> |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled() && eswHelper.isESWSupportedCountry()}"*>  <iscontentasset aid=*"esw-checkout-disclaimer-message"* />  </isif> |

The ${eswSubtotalObject(pdict.Basket, true)} function calculates the order total by applying conversion rates and eShopWorld price adjustments.

The btnCheckout class redirects the shopper to the eShopWorld Checkout on clicking if ESW module is enabled and the shipping country exists in ESW supported countries.

1.1.6 minilineitems.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/checkout/components/minilineitems.isml |



|  |
| --- |
| <span class=*"mini-cart-price"*><isprint value=*"${eswHelper.getSubtotalObject(productLineItem)}"*/></span> |

1.1.7 orderdetails.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/components/order/orderdetails.isml |

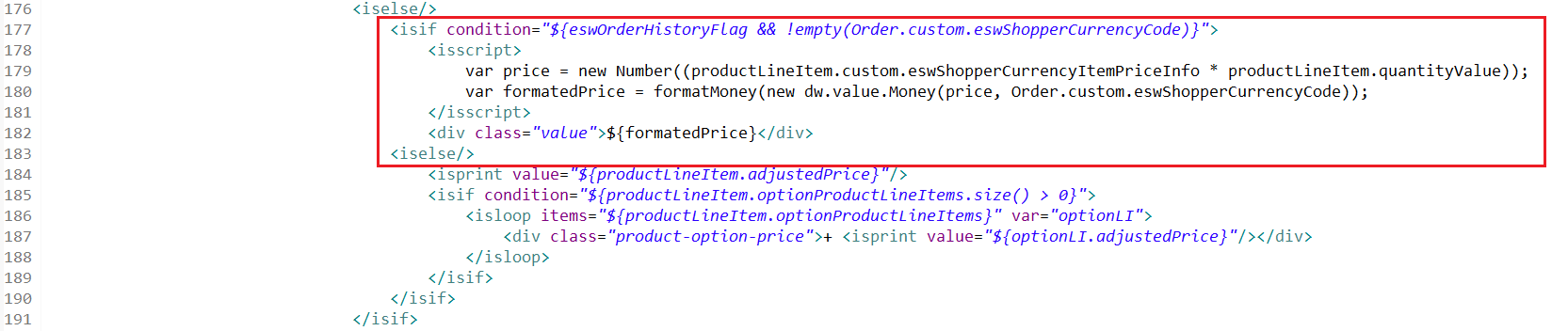
|  |
| --- |
| <isscript>  var eswHelper = require('\*/cartridge/scripts/helper/eswHelper').getEswHelper();  var formatMoney = require('dw/util/StringUtils').formatMoney;  var eswOrderHistoryFlag = false;  var isOrderDetailEnabled = eswHelper.isOrderDetailEnabled();  var eswModuleEnabled = eswHelper.getEShopWorldModuleEnabled();  var isEswSupportedCountry = eswHelper.isESWSupportedCountry();  if (eswModuleEnabled) {  eswOrderHistoryFlag = eswHelper.isEswOrderHistory(Order);  }    var paymentMethod = !empty(Order.paymentTransaction.custom.eswPaymentMethodCardBrand) ? Order.paymentTransaction.custom.eswPaymentMethodCardBrand : Order.custom.eswPaymentMethod;  </isscript> |
|  |



|  |
| --- |
| <isif condition="${isOrderDetailEnabled && eswOrderHistoryFlag}">                      <div class="payment-type"><isprint value="${paymentMethod}"/></div>                  <iselse/>                      <div class="payment-type"><isprint value="${dw.order.PaymentMgr.getPaymentMethod(paymentInstr.paymentMethod).name}" /></div>                      <isminicreditcard card="${paymentInstr}" show\_expiration="${false}"/>                      <div class="payment-amount">                          <span class="label">${Resource.msg('global.amount','locale',null)}:</span>                          <span class="value">                          <isif condition="${eswModuleEnabled && isEswSupportedCountry && !eswOrderHistoryFlag && empty(Order.custom.eswShopperCurrencyCode)}" >                              <isprint value="${paymentInstr.paymentTransaction.custom.eswPaymentAmount}"/>                          <iselse/>                              <isprint value="${paymentInstr.paymentTransaction.amount}"/>                          </isif>              </div>  </isif> |



|  |
| --- |
| <isif condition="${isOrderDetailEnabled && eswOrderHistoryFlag && !empty(Order.custom.eswShopperCurrencyCode)}">      <isset name="eswTrackingUrl" value="${!empty(Order.custom.eswTrackingURL) && !empty(Order.custom.eswPackageReference) ? Order.custom.eswTrackingURL : '#'}" scope="page" />      <isif condition="${eswTrackingUrl && eswTrackingUrl.length > 1}">          <div class="trackingnumber">              <div class="label">${Resource.msg('order.orderdetails.tracking','order',null)}</div>              <div class="value">                  <!-- ESW Tracking Number -->                  <a target="\_blank" href="${eswTrackingUrl}">                      <isprint value="${Order.custom.eswPackageReference}"/>                  </a>              </div>          </div>      </isif>  <iselse/>      <isif condition="${!empty(shipment.trackingNumber)}">          <div class="trackingnumber">              <div class="label">${Resource.msg('order.orderdetails.tracking','order',null)}</div>              <div class="value"><!-- Tracking Number --><isprint value="${shipment.trackingNumber}"/></div>          </div>      </isif>  </isif> |

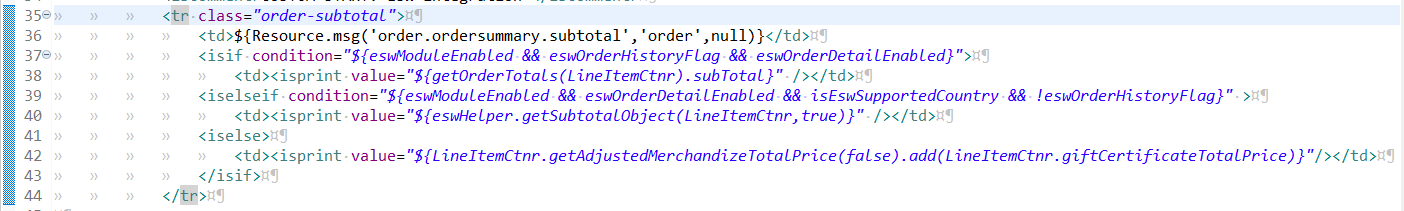


|  |
| --- |
| <isif condition=*"${eswOrderHistoryFlag && !empty(Order.custom.eswShopperCurrencyCode)}"*>  <isscript>  var price = new Number((productLineItem.custom.eswShopperCurrencyItemPriceInfo \* productLineItem.quantityValue));  var formatedPrice = formatMoney(new dw.value.Money(price, Order.custom.eswShopperCurrencyCode));  </isscript>  <div class=*"value"*>${formatedPrice}</div>  <iselse/> |

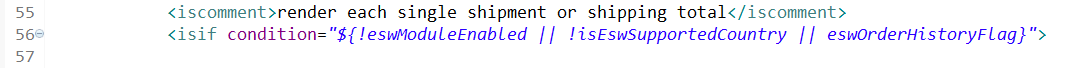
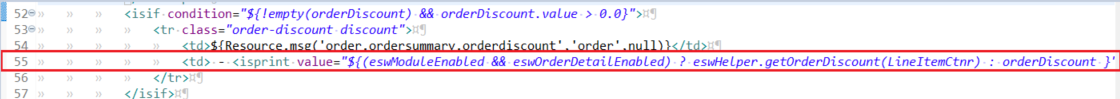
1.1.8 ordertotals.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/components/order/ordertotals.isml |

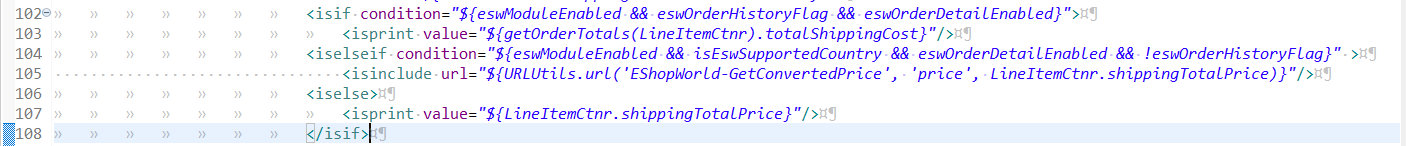
|  |
| --- |
| <isscript>  var eswHelper = require('\*/cartridge/scripts/helper/eswHelper').getEswHelper();  var eswOrderHistoryFlag = false;  var eswModuleEnabled = eswHelper.getEShopWorldModuleEnabled();  var isEswSupportedCountry = eswHelper.isESWSupportedCountry();  if (eswModuleEnabled) {  eswOrderHistoryFlag = eswHelper.isEswOrderHistory(LineItemCtnr);  eswTaxInformationEnabled = eswHelper.getEShopWorldTaxInformationEnabled();  eswOrderDetailEnabled = eswHelper.isOrderDetailEnabled();  var getOrderTotals = require('\*/cartridge/scripts/helper/orderHistoryTotals').orderTotals;  }  </isscript> |



|  |
| --- |
| <tr class=*"order-subtotal"*>  <td>${Resource.msg('order.ordersummary.subtotal','order',null)}</td>  <isif condition=*"${eswModuleEnabled && eswOrderHistoryFlag && eswOrderDetailEnabled}"*>  <td><isprint value=*"${getOrderTotals(LineItemCtnr).subTotal}"* /></td>  <iselseif condition=*"${eswModuleEnabled && eswOrderDetailEnabled && isEswSupportedCountry && !eswOrderHistoryFlag}"* >  <td><isprint value=*"${eswHelper.getSubtotalObject(LineItemCtnr,true)}"* /></td>  <iselse>  <td><isprint value=*"${LineItemCtnr.getAdjustedMerchandizeTotalPrice(false).add(LineItemCtnr.giftCertificateTotalPrice)}"*/></td>  </isif>  </tr> |



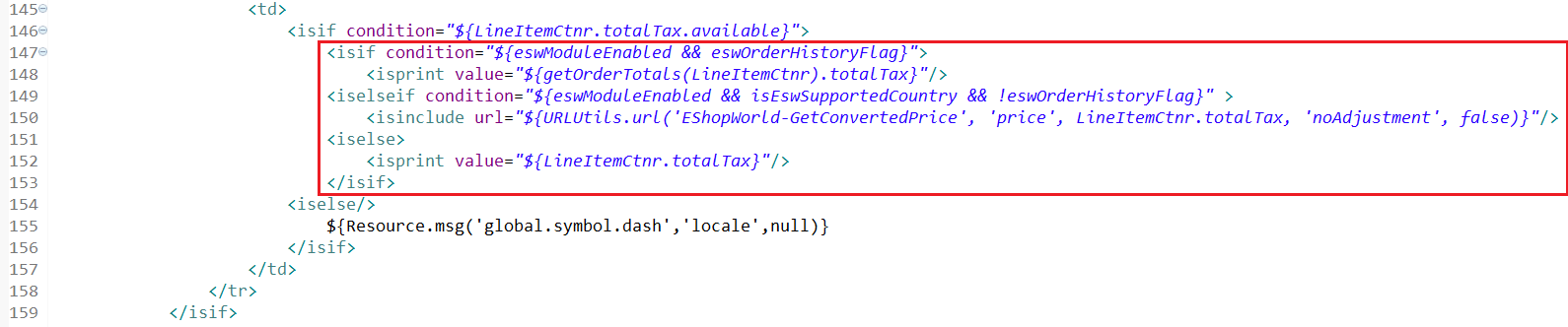
|  |
| --- |
| <<isif condition=*"${!empty(orderDiscount) && orderDiscount.value > 0.0}"*>  <tr class=*"order-discount discount"*>  <td>${Resource.msg('order.ordersummary.orderdiscount','order',null)}</td>  <td> - <isprint value=*"${(eswModuleEnabled && eswOrderDetailEnabled) ? eswHelper.getOrderDiscount(LineItemCtnr) : orderDiscount }"* /></td>  </tr>  </isif> |



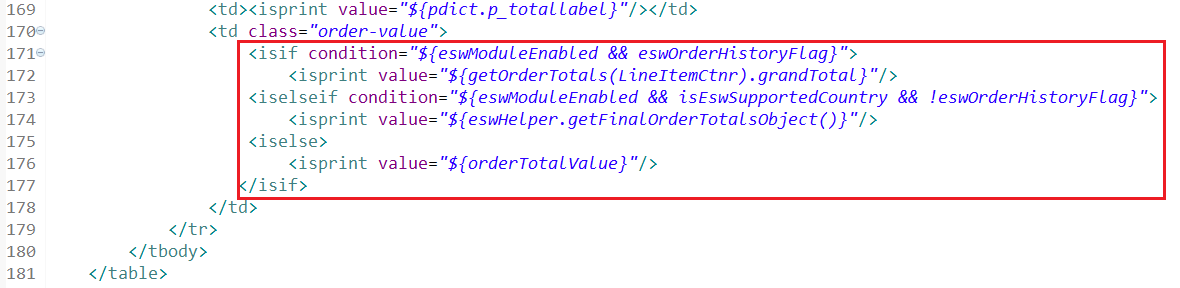
|  |
| --- |
| <isif condition=*"${eswModuleEnabled && eswOrderHistoryFlag && eswOrderDetailEnabled}"*>  <isprint value=*"${getOrderTotals(LineItemCtnr).totalShippingCost}"*/>  <iselseif condition=*"${eswModuleEnabled && isEswSupportedCountry && eswOrderDetailEnabled && !eswOrderHistoryFlag}"* >  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', LineItemCtnr.shippingTotalPrice)}"*/>  <iselse>  <isprint value=*"${LineItemCtnr.shippingTotalPrice}"*/>  </isif> |



|  |
| --- |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled() && eswOrderDetailEnabled}"*>  <td>- <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', shippingDiscount, 'noAdjustment', false)}"*/></td>  <iselse>  <td>- <isprint value=*"${shippingDiscount}"*/></td>  </isif> |
| <isif condition=*"${eswModuleEnabled && eswOrderDetailEnabled}"*>  <td>- <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', shippingDiscount)}"*/></td>  <iselse>  <td>- <isprint value=*"${shippingDiscount}"*/></td>  </isif> |



|  |
| --- |
| <isif condition=*"${(!eswModuleEnabled || eswTaxInformationEnabled || !eswOrderDetailEnabled) && dw.order.TaxMgr.getTaxationPolicy() == dw.order.TaxMgr.TAX\_POLICY\_NET}"*>  <tr class=*"order-sales-tax"*>  <td>${Resource.msg('order.ordersummary.ordertax','order',null)}</td>  <td>  <isif condition=*"${LineItemCtnr.totalTax.available}"*>  <isif condition=*"${eswModuleEnabled && eswOrderHistoryFlag && eswOrderDetailEnabled}"*>  <isprint value=*"${getOrderTotals(LineItemCtnr).totalTax}"*/>  <iselseif condition=*"${eswModuleEnabled && isEswSupportedCountry && !eswOrderHistoryFlag && eswOrderDetailEnabled}"* >  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', LineItemCtnr.totalTax, 'noAdjustment', false)}"*/>  <iselse>  <isprint value=*"${LineItemCtnr.totalTax}"*/>  </isif>  <iselse/>  ${Resource.msg('global.symbol.dash','locale',null)}  </isif>  </td>  </tr>  </isif> |



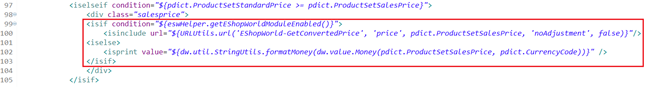
|  |
| --- |
| <isif condition=*"${eswModuleEnabled && eswOrderHistoryFlag && eswOrderDetailEnabled}"*>  <isprint value=*"${getOrderTotals(LineItemCtnr).grandTotal}"*/>  <iselseif condition=*"${eswModuleEnabled && isEswSupportedCountry && !eswOrderHistoryFlag && eswOrderDetailEnabled}"*>  <isprint value=*"${eswHelper.getFinalOrderTotalsObject()}"*/>  <iselse>  <isprint value=*"${orderTotalValue}"*/>  </isif> |

This function calculates the final order total including discounts and price adjustments.

1.1.9 pricing.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/product/components/pricing.isml |

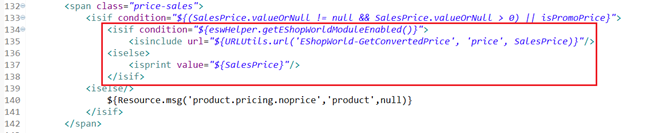
|  |
| --- |
| <isscript>  var eswHelper = require('\*/cartridge/scripts/helper/eswHelper').getEswHelper();  // for variation groups use the master, because all variants are available in detail page  if ( pdict.Product && pdict.Product.variationGroup )  {  pdict.Product = pdict.Product.masterProduct;  }  </isscript> |



|  |
| --- |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', pdict.ProductSetSalesPrice, 'noAdjustment', false)}"*/>  <iselse>  <isprint value=*"${dw.util.StringUtils.formatMoney(dw.value.Money(pdict.ProductSetSalesPrice, pdict.CurrencyCode))}"* />  </isif> |



|  |
| --- |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', pdict.Product.priceModel.minPrice, 'noAdjustment', false)}"*/> - <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', pdict.Product.priceModel.maxPrice)}"*/>  <iselse>  <isprint value=*"${pdict.Product.priceModel.minPrice}"*/> - <isprint value=*"${pdict.Product.priceModel.maxPrice}"*/>  </isif> |
| <isif condition=*"${StandardPrice.valueOrNull != null && StandardPrice.valueOrNull > 0}"*>  <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', StandardPrice)}"*/>  <iselse>  <isprint value=*"${StandardPrice}"*/>  </isif>  <iselse/>  ${Resource.msg('product.pricing.noprice','product',null)}  </isif> |

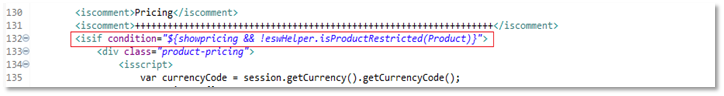


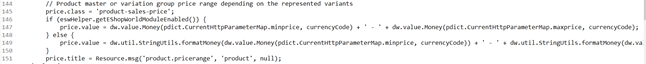
|  |
| --- |
| <isif condition=*"${eswHelper.getEShopWorldModuleEnabled()}"*>  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', SalesPrice)}"*/>  <iselse>  <isprint value=*"${SalesPrice}"*/>  </isif> |

1.1.10 producttile.isml

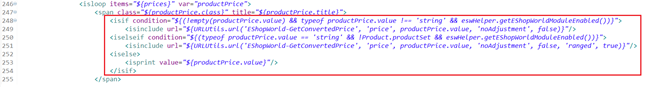
| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/product/producttile.isml |







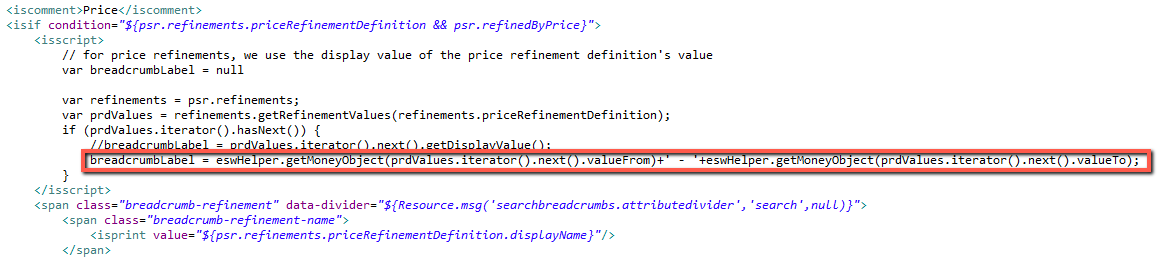
|  |
| --- |
| var eswHelper = require('\*/cartridge/scripts/helper/eswHelper').getEswHelper(); |
| <isif condition=*"${showpricing && !eswHelper.isProductRestricted(Product)}"*> |
| if (eswHelper.getEShopWorldModuleEnabled()) {  price.value = dw.value.Money(pdict.CurrentHttpParameterMap.minprice, currencyCode) + ' - ' + dw.value.Money(pdict.CurrentHttpParameterMap.maxprice, currencyCode);  } else {  price.value = dw.util.StringUtils.formatMoney(dw.value.Money(pdict.CurrentHttpParameterMap.minprice, currencyCode)) + ' - ' + dw.util.StringUtils.formatMoney(dw.value.Money(pdict.CurrentHttpParameterMap.maxprice, currencyCode));  } |



|  |
| --- |
| <isif condition=*"${(!empty(productPrice.value) && typeof productPrice.value !== 'string' && eswHelper.getEShopWorldModuleEnabled())}"*>  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', productPrice.value, 'noAdjustment', false)}"*/>  <iselseif condition=*"${(typeof productPrice.value == 'string' && !Product.productSet && eswHelper.getEShopWorldModuleEnabled())}"*>  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', productPrice.value, 'noAdjustment', false, 'ranged', true)}"*/>  <iselse>  <isprint value=*"${productPrice.value}"*/>  </isif> |

1.1.11 productsearchbreadcrumbs.isml

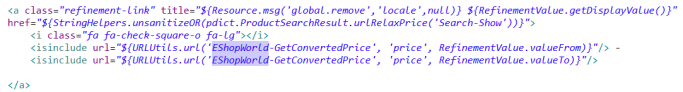
| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/search/components/productsearchbreadcrumbs.isml |

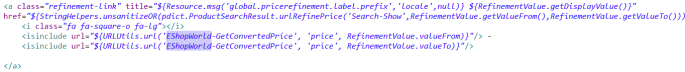


|  |
| --- |
| breadcrumbLabel = eswHelper.getMoneyObject(prdValues.iterator().next().valueFrom)+' - '+eswHelper.getMoneyObject(prdValues.iterator().next().valueTo); |

1.1.12 productsearchrefinebar.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/search/components/productsearchrefinebar.isml |

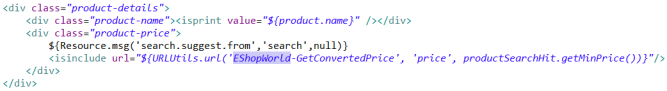




|  |
| --- |
| <a class=*"refinement-link"* title=*"${Resource.msg('global.remove','locale',null)} ${RefinementValue.getDisplayValue()}"* href=*"${StringHelpers.unsanitizeOR(pdict.ProductSearchResult.urlRelaxPrice('Search-Show'))}"*>  <i class=*"fa fa-check-square-o fa-lg"*></i>  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', RefinementValue.valueFrom)}"*/> - <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', RefinementValue.valueTo)}"*/>  </a> |
| <a class=*"refinement-link"* title=*"${Resource.msg('global.pricerefinement.label.prefix','locale',null)} ${RefinementValue.getDisplayValue()}"* href=*"${StringHelpers.unsanitizeOR(pdict.ProductSearchResult.urlRefinePrice('Search-Show',RefinementValue.getValueFrom(),RefinementValue.getValueTo()))}"*>  <i class=*"fa fa-square-o fa-lg"*></i>  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', RefinementValue.valueFrom)}"*/> - <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', RefinementValue.valueTo)}"*/>  </a> |

1.1.13 suggestions.isml

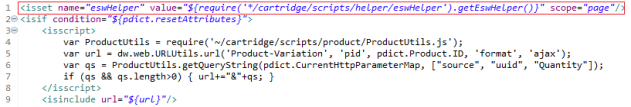
| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/search/suggestions.isml |

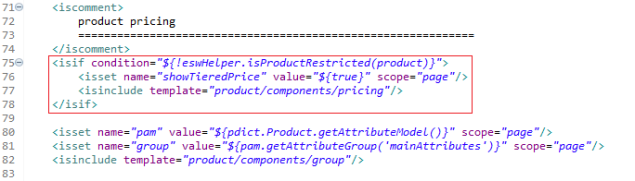


|  |
| --- |
| <div class=*"product-price"*>  ${Resource.msg('search.suggest.from','search',null)}  <isinclude url=*"${URLUtils.url('EShopWorld-GetConvertedPrice', 'price', productSearchHit.getMinPrice())}"*/>  </div> |

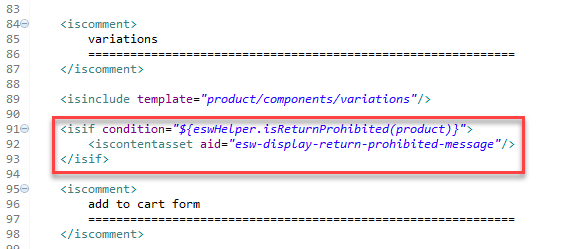
1.1.14 productcontent.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/product/productcontent.isml |





|  |
| --- |
| <isset name=*"eswHelper"* value=*"${require('\*/cartridge/scripts/helper/eswHelper').getEswHelper()}"* scope=*"page"*/> |
| <isif condition=*"${!eswHelper.isProductRestricted(product)}"*>  <isset name=*"showTieredPrice"* value=*"${true}"* scope=*"page"*/>  <isinclude template=*"product/components/pricing"*/>  </isif> |



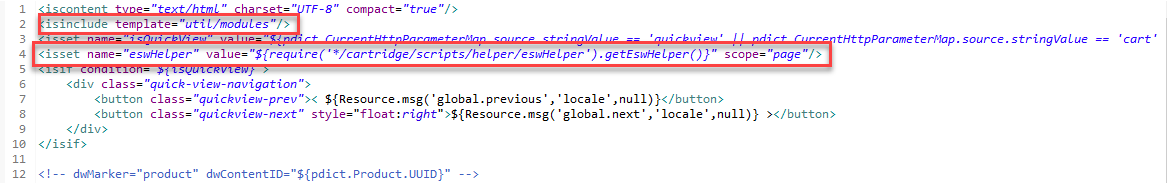
|  |
| --- |
| <isif condition=*"${eswHelper.isReturnProhibited(product)}"*>  <iscontentasset aid=*"esw-display-return-prohibited-message"*/> </isif> |

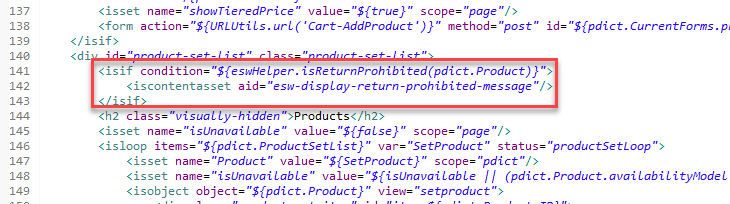


|  |
| --- |
| <isif condition=*"${!eswHelper.isProductRestricted(product)}"*>  <button id=*"add-to-cart"* type=*"submit"* title=*"${buttonTitle}"* value=*"${buttonTitle}"* class=*"button-fancy-large add-to-cart"*>${buttonTitle}</button>  <isapplepay sku=*"${pdict.Product.ID}"*></isapplepay>  <iselse>  ${Resource.msg('esw.product.notavailable','esw',null)}  </isif> |
| <isif condition=*"${!eswHelper.isProductRestricted(product)}"*>  <button id=*"add-to-cart"* type=*"button"* title=*"${buttonTitleDisabledSelectVariation}"* value=*"${buttonTitleDisabledSelectVariation}"* class=*"button-fancy-large add-to-cart-disabled"*<isprint value=*"${disabledAttr}"* encoding=*"off"*/>>${buttonTitle}</button>  <iselse>  ${Resource.msg('esw.product.notavailable','esw',null)}  </isif> |

1.1.15 producttopcontentPS.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/product/producttopcontentPS.isml |







|  |
| --- |
| <isinclude template*="util/modules"*/> |
| <isset name=*"eswHelper"* value=*"${require('\*/cartridge/scripts/helper/eswHelper').getEswHelper()}"* scope=*"page"*/> |
| <isif condition=*"${eswHelper.isReturnProhibited(pdict.Product)}"*>  <iscontentasset aid=*"esw-display-return-prohibited-message"*/>  </isif> |
| <isif condition=*"${!eswHelper.isProductRestricted(psProduct)}"*> |
| <iselse>  ${Resource.msg('esw.product.notavailable','esw',null)}  </isif> |

1.1.16 productsetproduct.isml

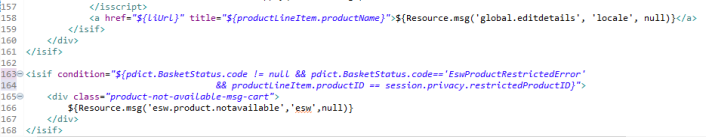
| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/product/components/productsetproduct.isml |



|  |
| --- |
| <isset name=*"eswHelper"* value=*"${require('\*/cartridge/scripts/helper/eswHelper').getEswHelper()}"* scope=*"page"*/> |
| <isif condition=*"${!eswHelper.isProductRestricted(pdict.Product)}"*>  <isinclude template=*"product/components/pricing"*/>  </isif> |

1.1.17 displayliproduct.isml

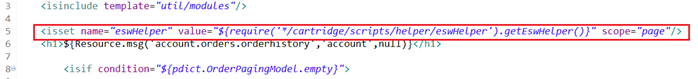
| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/product/components/displayliproduct.isml |

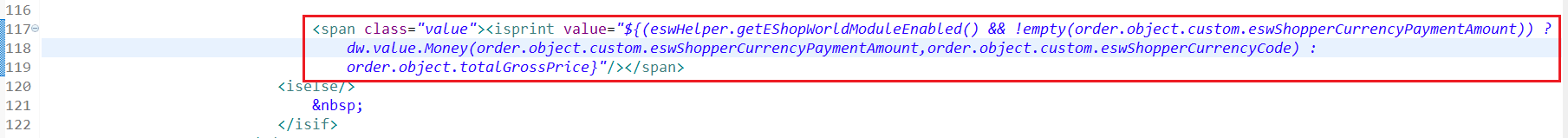


|  |
| --- |
| <isif condition=*"${pdict.BasketStatus.code != null && pdict.BasketStatus.code=='EswProductRestrictedError' && productLineItem.productID == session.privacy.restrictedProductID}"*>  <div class=*"product-not-available-msg-cart"*>  ${Resource.msg('esw.product.notavailable','esw',null)}  </div>  </isif> |

1.1.18 orders.isml

| Path |
| --- |
| SiteGenesis\_core/cartridge/templates/default/account/orderhistory/orders.isml |





|  |
| --- |
| <isset name=*"eswHelper"* value=*"${require('\*/cartridge/scripts/helper/eswHelper').getEswHelper()}"* scope=*"page"*/> |
| <span class=*"value"*><isprint value=*"${(eswHelper.getEShopWorldModuleEnabled() && !empty(order.object.custom.eswShopperCurrencyPaymentAmount)) ? dw.value.Money(order.object.custom.eswShopperCurrencyPaymentAmount,order.object.custom.eswShopperCurrencyCode) : order.object.totalGrossPrice}"*/></span> |

1.2 Customizing the controllers

1.2.1 Currency.js

| Path |
| --- |
| SiteGenesis\_controllers/cartridge/controllers/Currency.js |

|  |
| --- |
| 'use strict';  /\*\*  \* This controller updates the current session currency.  \*  \* **@module** controllers/Currency  \*/  /\* API Includes \*/  **var** Currency = require('dw/util/Currency');  **var** Transaction = require('dw/system/Transaction');  **var** Site = require('dw/system/Site');  /\* Script Modules \*/  **var** guard = require('~/cartridge/scripts/guard');  **var** Cart = require('~/cartridge/scripts/models/CartModel');  /\*\*  \* This controller is used in an AJAX call to set the session variable 'currency'.  \*/  **function** setSessionCurrency() {  **var** eswHelper = require('\*/cartridge/scripts/helper/eswHelper').getEswHelper();  **var** currencyMnemonic = request.httpParameterMap.currencyMnemonic.value;  **var** Response = require('~/cartridge/scripts/util/Response');  **var** Countries = require('\*/cartridge/scripts/util/Countries');  **var** URLUtils = require('dw/web/URLUtils');  **var** redirect = **null**;    **if** (eswHelper.getEShopWorldModuleEnabled()) {  **var** selectedCountry;  **var** countryParam = request.httpParameterMap.get(Site.getCustomPreferenceValue('eswCountryUrlParam'));  **if** (empty(countryParam)) {          selectedCountry = countryParam;          } **else** {              selectedCountry = request.httpParameterMap.country.value;          }  **var** currencyCode = request.httpParameterMap.currency.value;  **var** language = request.httpParameterMap.language.value;    **if**(eswHelper.checkIsEswAllowedCountry(selectedCountry) != **null**) {  **if** (request.setLocale(language)) {  **if** (!eswHelper.overridePrice(selectedCountry)) {  eswHelper.setAllAvailablePriceBooks();  eswHelper.setBaseCurrencyPriceBook(eswHelper.getBaseCurrencyPreference());  }  }  eswHelper.selectCountry(selectedCountry, currencyCode, language);  } **else** {  **delete** session.privacy.fxRate;  **var** defaultCountryCurrencyMapping = eswHelper.getDefaultCountryCurrencyMapping();  **if** (defaultCountryCurrencyMapping.length > 0) {  eswHelper.createCookie('esw.location', selectedCountry, '/');  **var** siteCountries = JSON.parse(defaultCountryCurrencyMapping);  **var** foundCountry = siteCountries.filter(**function**(item) {  // Set Currency and Locale if esw not allowed country found  **if**(item.countryCode == selectedCountry) {  // Set cookies  eswHelper.createCookie('esw.currency', item.currencyCode, '/');  eswHelper.createCookie('esw.LanguageIsoCode', language, '/');    // Set Base currency Pricebook  eswHelper.setAllAvailablePriceBooks();  eswHelper.setBaseCurrencyPriceBook(item.currencyCode);    // Set locale  request.setLocale(language);  **return** **true**;  }  });    // Set Default Currency and Locale if esw not allowed country not found  **if** (empty(foundCountry)) {  eswHelper.setAllAvailablePriceBooks();  eswHelper.setBaseCurrencyPriceBook(eswHelper.getBaseCurrencyPreference());  eswHelper.createCookie('esw.currency', session.getCurrency(), '/');  eswHelper.createCookie('esw.LanguageIsoCode', dw.system.Site.getCurrent().getDefaultLocale(), '/');  request.setLocale(dw.system.Site.getCurrent().getDefaultLocale());  }  }  }  // redirect = eswHelper.getCurrent(request.getLocale());  } **else** {  **if** (currencyMnemonic) {  currency = Currency.getCurrency(currencyMnemonic);  **if** (currency) {  session.setCurrency(currency);  Transaction.wrap(**function** () {  **var** currentCart = Cart.get();  **if** (currentCart) {  currentCart.updateCurrency();  currentCart.calculate();  }  });  }  }  }  Response.renderJSON({  redirectUrl: (redirect != **null**) ? redirect.toString() : '',  success: **true**  });  }  **function** getAllowedCountry() {  **var** Response = require('~/cartridge/scripts/util/Response');  **var** eswHelper = require('\*/cartridge/scripts/helper/eswHelper').getEswHelper()    **var** language = !empty(request.httpCookies['esw.LanguageIsoCode']) ? request.httpCookies['esw.LanguageIsoCode'].value : eswHelper.getAllowedLanguages()[0].value;  **var** currency = !empty(request.httpCookies['esw.currency']) ? request.httpCookies['esw.currency'].value : eswHelper.getDefaultCurrencyForCountry(eswHelper.getAvailableCountry());  **var** selectedCountry = request.httpParameterMap.country.value;  **var** flag = **false**;    **if** (eswHelper.getEShopWorldModuleEnabled() && eswHelper.checkIsEswAllowedCountry(selectedCountry)) {  flag = **true**;  }    Response.renderJSON({  success : flag,  country : selectedCountry,  language : language,  currency : currency  });  }  /\*  \* Module exports  \*/  /\*  \* Web exposed methods  \*/  /\*\* **@see** module:controllers/Currency~setSessionCurrency \*/  exports.SetSessionCurrency = guard.ensure(['get'], setSessionCurrency);  exports.GetAllowedCountry = guard.ensure(['get'], getAllowedCountry); |

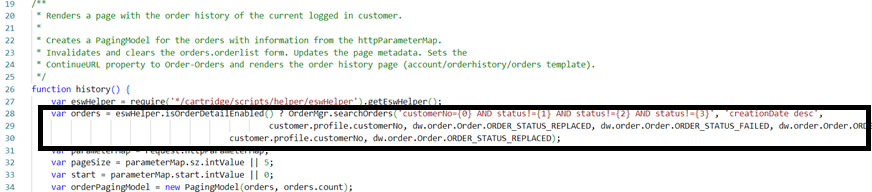
1.2.2 Cart.js

| Path |
| --- |
| SiteGenesis\_controllers/cartridge/controllers/Cart.js |

|  |
| --- |
| /\*\*  \* Invalidates the login and shipment forms. Renders the checkout/cart/cart template.  \*/  function show() {  var eswServiceHelper = require('\*/cartridge/scripts/helper/serviceHelper');  var eswHelper = require('\*/cartridge/scripts/helper/eswHelper').getEswHelper();    if (eswHelper.getEShopWorldModuleEnabled() && eswHelper.isESWSupportedCountry()) {  var cart = app.getModel('Cart').goc();  if (!empty(cart)) {  Transaction.wrap(function () {  if (eswHelper.getShippingServiceType(cart.object) === 'POST') {  eswServiceHelper.applyShippingMethod(cart.object, 'POST', eswHelper.getAvailableCountry(), true);  } else {  eswServiceHelper.applyShippingMethod(cart.object, 'EXP2', eswHelper.getAvailableCountry(), true);  }  cart.calculate();          eswHelper.adjustThresholdDiscounts(cart);  eswHelper.removeThresholdPromo(cart.object);  });  }  }  var cartForm = app.getForm('cart');  app.getForm('login').invalidate();  cartForm.get('shipments').invalidate();  app.getView('Cart', {  cart: app.getModel('Cart').get(),  RegistrationStatus: **false**  }).render('checkout/cart/cart');  } |

1.2.3 Order.js

| Path |
| --- |
| SiteGenesis\_controllers/cartridge/controllers/Order.js |



|  |
| --- |
| var orders = eswHelper.isOrderDetailEnabled() ? OrderMgr.searchOrders('customerNo={0} AND status!={1} AND status!={2} AND status!={3}', 'creationDate desc',                                                  customer.profile.customerNo, dw.order.Order.ORDER\_STATUS\_REPLACED, dw.order.Order.ORDER\_STATUS\_FAILED, dw.order.Order.ORDER\_STATUS\_CREATED): OrderMgr.searchOrders('customerNo={0} AND status!={1}', 'creationDate desc',                                          customer.profile.customerNo, dw.order.Order.ORDER\_STATUS\_REPLACED); |

1.2.3 CO Customer.js

| Path |
| --- |
| SiteGenesis\_controllers/cartridge/controllers/COCustomer.js |

|  |
| --- |
| /\*\*  \* Form handler for the login form. Handles the following actions:  \* - \_\_login\_\_ - Calls the {@link module:controllers/Login~process|Login controller Process function}. If this returns successfully, calls  \* the {@link module:controllers/COShipping~Start|COShipping controller Start function}.  \* - \_\_register\_\_ - Calls the {@link module:controllers/Account~StartRegister|Account controller StartRegister function}.  \* - \_\_unregistered\_\_ - Calls the {@link module:controllers/COShipping~Start|COShipping controller Start function}.  \*/  **function** showLoginForm() {  **var** eswHelper = require('\*/cartridge/scripts/helper/eswHelper').getEswHelper();  **var** loginForm = app.getForm('login');    session.custom.TargetLocation =URLUtils.https('COShipping-Start').toString();  **if**(eswHelper.getEShopWorldModuleEnabled() && eswHelper.checkIsEswAllowedCountry(request.httpCookies['esw.location'].value)) {  session.custom.TargetLocation = URLUtils.https('EShopWorld-PreOrderRequest').toString();  }  loginForm.handleAction({  login: **function** () {  app.getController('Login').LoginForm();  },  register: **function** () {  response.redirect(URLUtils.https('Account-StartRegister'));  },  unregistered: **function** () {  **if**(eswHelper.getEShopWorldModuleEnabled()) {  session.privacy.guestCheckout = **true**;  response.redirect(session.custom.TargetLocation);  }**else**{  response.redirect(URLUtils.https('COShipping-Start'));  }  }  });  } |

1.3 Customizing the Pipelines

To enable ESW SFCC plugin, retailer’s technical team need to compare 1.2 Customizing the controllers section listed controllers with SG pipelines and make the required customizations/changes, as ESW does not support the siteGenesis pipelines version.

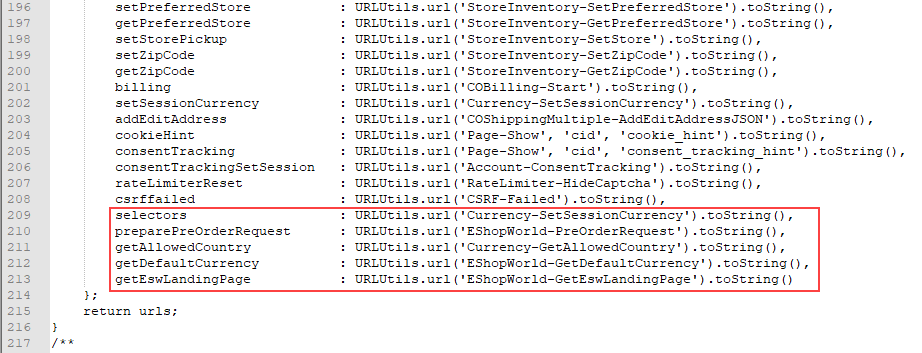
Sitegenesis custom controllers can be found on following path for comparison.

| Path |
| --- |
| SiteGenesis\_controllers/cartridge/controllers/Cart.js  SiteGenesis\_controllers/cartridge/controllers/Currency.js  SiteGenesis\_controllers/cartridge/controllers/COCustomer.js |

1.4 Customizing the scripts and json

1.4.1   Resource.ds

| Path |
| --- |
| SiteGenesis\_core/cartridge/scripts/util/Resource.ds |



|  |
| --- |
| Selectors : URLUtils.url('Currency-SetSessionCurrency').toString(),  preparePreOrderRequest : URLUtils.url('EShopWorld-PreOrderRequest').toString(),  getAllowedCountry : URLUtils.url('Currency-GetAllowedCountry').toString(),  getDefaultCurrency: URLUtils.url('EShopWorld-GetDefaultCurrency').toString(),  getEswLandingPage : URLUtils.url('EShopWorld-GetEswLandingPage').toString() |

1.4.2 OnRequest.js

| Path |
| --- |
| SiteGenesis\_controllers/cartridge/scripts/request/OnRequest.js |

 onRequest is called with every top-level request in the site. The following function is used to redirect the site whenever locales are changed:

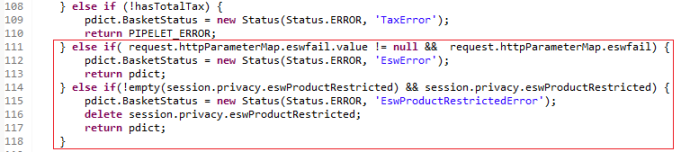
|  |
| --- |
| 'use strict';  /\*\*  \* The onRequest hook is called with every top-level request in a site. This happens both for requests to cached and non-cached pages.  \* For performance reasons the hook function should be kept short.  \*  \* **@module** request/OnRequest  \*/  **var** Status = require('dw/system/Status');  /\*\*  \* The onRequest hook function.  \*/  exports.onRequest = **function** () {  **var** eswHelper = require('\*/cartridge/scripts/helper/eswHelper').getEswHelper(),  selectedFxRate = JSON.parse(session.privacy.fxRate);  **if** (eswHelper.getEShopWorldModuleEnabled()) {  **if** (!selectedFxRate && selectedFxRate !== **null**) {  **var** url = eswHelper.checkRedirect();  **if** (!empty(url) && request.httpMethod != 'POST'){  response.redirect(url);  }  } **else** {  **var** isAjax = Object.hasOwnProperty.call(request.httpHeaders, 'x-requested-with');  **if** (!isAjax && request.httpCookies['esw.LanguageIsoCode'] != **null** && request.getLocale() !== request.httpCookies['esw.LanguageIsoCode'].value) {  request.setLocale(request.httpCookies['esw.LanguageIsoCode'].value);  **var** url = eswHelper.getCurrent(request.httpCookies['esw.LanguageIsoCode'].value);  **if** (request.httpMethod != 'POST') {  response.redirect(url);  }  }  }  }    **return** **new** Status(Status.OK);  }; |

Declare the following variable at the top of your isml enclosed in <isscript> tags:

var eswHelper = require('int\_eshopworld\_controllers/cartridge/scripts/helper/eswHelper').getEswHelper();

1.4.3 validateCartForCheckout.js

| Path |
| --- |
| SiteGenesis\_core/cartridge/scripts/cart/ValidateCartForCheckout.js |



|  |
| --- |
| } **else** **if**(request.httpParameterMap.eswfail.value != **null** && request.httpParameterMap.eswfail) {  pdict.BasketStatus = **new** Status(Status.ERROR, 'EswError');  **return** pdict;  } **else** **if**(!empty(session.privacy.eswProductRestricted) && session.privacy.eswProductRestricted) {  pdict.BasketStatus = **new** Status(Status.ERROR, 'EswProductRestrictedError');  **delete** session.privacy.eswProductRestricted;  **return** pdict;  } |

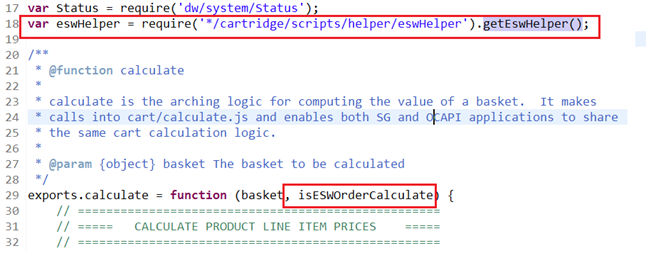
GetMoneyObject (price, noAdjustment, formatted, noRounding)

* price: This can be a number or a money object, for example, price.
* noAdjustment: Boolean value. If true, no adjustment will be applied.
* formatted: Boolean value. If true, it returns a string value with currency code, for example, $10.00. If false, it returns money object with the currency and the price.
* noRounding: Boolean value. If true, no rounding rule will be applied.

This function is a helper function that is used anywhere prices need to be calculated or displayed. It checks whether a country is a Fixed price country or an FX price country. It applies FX conversions when applicable. It also applies adjustments, duty, and tax where required.

1.4.4 calculate.js

| Path |
| --- |
| SG\_core/cartridge/scripts/cart/calculate.js |



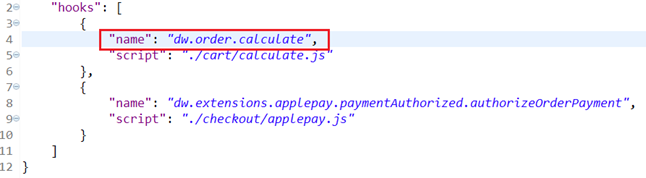
|  |
| --- |
| **var** eswHelper = require('\*/cartridge/scripts/helper/eswHelper').getEswHelper(); |
| exports.calculate = **function** (basket, isESWOrderCalculate) { |



|  |
| --- |
| **if** (!eswHelper.getEShopWorldModuleEnabled() || !isESWOrderCalculate) {  PromotionMgr.applyDiscounts(basket);  } |
| **if** (!eswHelper.getEShopWorldModuleEnabled() || !isESWOrderCalculate) {  PromotionMgr.applyDiscounts(basket);  } |

1.4.5 hooks.json

| Path |
| --- |
| SG\_core/cartridge/scripts/hooks.json |



The default implementation calls the dw.ocapi.shop.basket.calculate hook. However, this hook is deprecated, and calling it creates entries in the deprecated API usage logs. You should override this function to use dw.order.calculate instead.