A person sitting at a table

Description automatically generated

Aurora changes for PayPal Braintree Plugin  
HCL Commerce v9 DEVELOPER GUIDE

# Code changes

## Copy and merge “**crs-web**” changes

1. Please use any comparator tool to copy and merge the files like Beyond Compare, WinMerge etc. Please ignore the files which are not listed in below tables.

Disclaimer: The below files and instructions were validated against 9.0.1.x

* Copy the below files/folders from **GIT to the workspace**

|  |
| --- |
| 1. **crs-web/WebContent/AuroraStorefrontAssetStore/javascript/BrainTreeMobilePayments.js** 2. **crs-web/WebContent/AuroraStorefrontAssetStore/javascript/BrainTreePayments.js** 3. **crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/EDP/PaymentMethods/StandardApplePay.jsp** 4. **crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/EDP/PaymentMethods/StandardBrainTree.jsp** 5. **crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/EDP/PaymentMethods/StandardGooglePay.jsp** 6. **crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/EDP/PaymentMethods/StandardPayPal.jsp** 7. **crs-web/WebContent/AuroraStorefrontAssetStore/UserArea/ServiceSection/PaymentSubsection: copy complete folder** |

* Merge the below files from **GIT to the workspace**

Add the code that is between the comments <!--BRAINTREE START--> and <!--BRAINTREE END -->

|  |
| --- |
| 1. **crs-web/src/main/resources/AuroraStorefrontAssetStore/storetext\_v2.properties** 2. **crs-web/src/main/resources/AuroraStorefrontAssetStore/storetext\_v2\_en\_US.properties** 3. **crs-web/WebContent/AuroraStorefrontAssetStore/css/store.css** 4. **crs-web/WebContent/AuroraStorefrontAssetStore/css/store.uncompressed.css** 5. **crs-web/WebContent/AuroraStorefrontAssetStore/javascript/CheckoutArea/CheckoutPayments.js** 6. **crs-web/WebContent/AuroraStorefrontAssetStore/javascript/CheckoutArea/ShipmodeSelectionExt.js** 7. **crs-web/WebContent/AuroraStorefrontAssetStore/javascript/CheckoutArea/ShippingAndBillingServicesDeclaration.js** 8. **crs-web/WebContent/AuroraStorefrontAssetStore/javascript/store.js** 9. **crs-web/WebContent/AuroraStorefrontAssetStore/javascript/store.uncompressed.js** 10. **crs-web/WebContent/AuroraStorefrontAssetStore/mobile30/ShoppingArea/CheckoutSection/OrderPaymentDetails.jsp** 11. **crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/SingleShipment/BillingAddressDropDownDisplay.jsp** 12. **crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/SingleShipment/ShippingAddressSelect.jsp** 13. **crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/CheckoutPaymentAndBillingAddressSummary.jspf** 14. **crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/CheckoutPaymentsAndBillingAddress.jspf** 15. **crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/CheckoutStoreSelection.jsp** 16. **crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/CommonUtilities.jspf** 17. **crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/DOMOrderShippingBillingDetails.jsp** 18. **crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/OrderShippingBillingDetails.jsp** 19. **crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/ShippingDetailsDisplay.jsp** 20. **crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/Member/Address/AddressDisplay.jsp** 21. **crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/Order/Cart/CheckoutLogon.jsp** 22. **crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/StoreLocator/SelectedStoreList.jsp** 23. **crs-web/WebContent/AuroraStorefrontAssetStore/UserArea/AccountSection/QuickCheckoutProfileSubsection/MyAccountQuickCheckoutProfileForm.jsp** 24. **crs-web/WebContent/AuroraStorefrontAssetStore/Widgets/MiniShopCartDisplay/MiniShopCartContents\_UI.jspf** 25. **crs-web/WebContent/AuroraStorefrontAssetStore/Widgets/MiniShopCartDisplay/MiniShopCartDisplay\_Data.jspf** 26. **crs-web/WebContent/AuroraStorefrontAssetStore/Widgets/MiniShopCartDisplay/MiniShopCartDisplay\_UI.jspf** 27. **crs-web/WebContent/WEB-INF/spring/controllers.xml** 28. **crs-web/WebContent/WEB-INF/spring/order-controllers.xml** 29. **crs-web/WebContent/WEB-INF/spring/order-views.xml** 30. **crs-web/WebContent/WEB-INF/spring/other-views.xml** 31. **crs-web/WebContent/WEB-INF/xml/config/com.ibm.commerce.order/rest-template-config.xml** 32. **crs-web/WebContent/Widgets\_801/com.ibm.commerce.store.widgets.MyAccountNavigation/MyAccountNavigation\_Data.jspf** 33. **crs-web/WebContent/Widgets\_801/com.ibm.commerce.store.widgets.MyAccountNavigation/MyAccountNavigation\_UI.jspf** 34. **crs-web/WebContent/Widgets\_801/com.ibm.commerce.store.widgets.OrderDetail\_Billing/OrderDetail\_Billing\_UI.jspf** 35. **crs-web/WebContent/Widgets\_801/Properties/widgettext.properties** |

## JSPs

Copy the JSP that is related to the payment options you have chosen.

#### Braintree (this page is related to credit card)

/crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/EDP/PaymentMethods/StandardBraintree.jsp

#### PayPal

/crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/EDP/PaymentMethods/StandardPayPal.jsp

#### Apple Pay

/crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/EDP/PaymentMethods/StandardApplePay.jsp

#### Google Pay

/crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/EDP/PaymentMethods/StandardGooglePay.jsp

#### Saved Payments List

/crs-web/WebContent/AuroraStorefrontAssetStore/UserArea/ServiceSection/PaymentSubsection/SavedPaymentsListDisplay.js

### JS

Copy the following JS files:

#### Braintree Mobile Payments

/crs-web/WebContent/AuroraStorefrontAssetStore/javascript/BraintreeMobilePayments.js

#### Braintree Payments

/crs-web/WebContent/AuroraStorefrontAssetStore/javascript/BraintreePayments.js

## Modify JSPs, JS and CSS

1. Add this code between the comments <!-- BRAINTREE START --> and <!-- BRAINTREE END -->. These comments may occur multiple times in a page.
2. Add the code from the Zip files to your workspace. The file paths correspond to the paths in the Zip file.

You don't need to manually copy the files below if you have a program to generate store.js and store.uncompressed.js files.

#### store.js

/crs-web/WebContent/AuroraStorefrontAssetStore/javascript/store.js

#### store.uncompressed.js

/crs-web/WebContent/AuroraStorefrontAssetStore/javascript/store.uncompressed.js

You don't need to manually copy the file below if you have a program to generate store.uncompressed.js files.

#### store.uncompressed.css

/crs-web/WebContent/AuroraStorefrontAssetStore/css/store.uncompressed.css

### JSPs

| Page | File Path | Modification |
| --- | --- | --- |
| CheckoutLogon.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/Order/Cart/CheckoutLogon.jsp | Code to display the PayPal and PayPal Credit buttons when the shop mode is 'shop online' for both guests and registered users. |
| MiniShopCartDisplay\_UI.jspf | /crs-web/WebContent/AuroraStorefrontAssetStore/Widgets/MiniShopCartDisplay/MiniShopCartDisplay\_UI.jspf | Code to display the PayPal Checkout button on a mini cart page when an item is added to the cart. |
| MiniShopCartContents\_UI.jspf | /crs-web/WebContent/AuroraStorefrontAssetStore/Widgets/MiniShopCartDisplay/MiniShopCartContents\_UI.jspf | Code to display the PayPal Checkout button on a mini cart page when the cart button is clicked. |
| MiniShopCartDisplay\_Data.jspf | /crs-web/WebContent/AuroraStorefrontAssetStore/Widgets/MiniShopCartDisplay/MiniShopCartDisplay\_Data.jspf | Code to make REST calls to fetch Braintree details. |
| CheckoutStoreSelection.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/CheckoutStoreSelection.jsp | Code to display the PayPal and PayPal Credit buttons when the shop mode is 'pick up at store' for both guests and registered users. |
| OrderShippingBillingDetails.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/OrderShippingBillingDetails.jsp | Code to call the Braintree Checkout Function. |
| CheckoutPaymentsAndBillingAddress.jspf | /crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/CheckoutPaymentsAndBillingAddress.jspf | Code to display saved and new payments. The existing payment format of OOTB code is removed. |
| CheckoutPaymentAndBillingAddressSummary.jspf | /crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/CheckoutPaymentAndBillingAddressSummary.jspf | Code to display an order summary for different payments, such as credit card, PayPal etc. |
| DOMOrderShippingBillingDetails.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/DOMOrderShippingBillingDetails.jsp | Code to call the Braintree Checkout Function. This page is called when the shop mode is 'pick up at store'. |
| BillingAddressDropDownDisplay.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/SingleShipment/BillingAddressDropDownDisplay.jsp | Code to display the PayPal billing address when PayPal is the payment method. |
| OrderPaymentDetails.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/mobile30/ShoppingArea/CheckoutSection/OrderPaymentDetails.jsp | Code to display saved and new payments in mobile view. |
| AddressDisplay.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/Member/Address/AddressDisplay.jsp | Code to display the PayPal shipping address. |
| MyAccountNavigation\_UI.jspf | /crs-web/WebContent/Widgets\_801/com.ibm.commerce.store.widgets.MyAccountNavigation/MyAccountNavigation\_UI.jspf | Code to display the saved payments option on My account page. |
| MyAccountNavigation\_Data.jspf | /crs-web/WebContent/Widgets\_801/com.ibm.commerce.store.widgets.MyAccountNavigation/MyAccountNavigation\_Data.jspf | Code to display saved payments. |
| OrderDetail\_Billing\_UI.jspf | /crs-web/WebContent/Widgets\_801/com.ibm.commerce.store.widgets.OrderDetail\_Billing/OrderDetail\_Billing\_UI.jspf | Code to display the credit card type on the order summary page. |
| ShippingDetailsDisplay.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/ShippingDetailsDisplay.jsp | Code to set the multiple shipping flag. |
| CommonUtilities.jspf | /crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/CommonUtilities.jspf | Code to send flag to display the PayPal shipping address. |
| ShippingAddressSelect.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/ShoppingArea/CheckoutSection/SingleShipment/ShippingAddressSelect.jsp | Code to display the PayPal shipping address. |
| SelectedStoreList.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/Snippets/StoreLocator/SelectedStoreList.jsp | Code to show the PayPal button only when a store address is selected in 'pick up in store'. |
| MyAccountQuickCheckoutProfileForm.jsp | /crs-web/WebContent/AuroraStorefrontAssetStore/UserArea/AccountSection/QuickCheckoutProfileSubsection/MyAccountQuickCheckoutProfileForm.jsp | Code to avoid the quick checkout button. |

### JS

Add this code between the comments <!-- BRAINTREE START --> and <!-- BRAINTREE END -->. These comments may occur multiple times in a page.

| Page | File Path | Modification |
| --- | --- | --- |
| CheckoutPayments.js | /crs-web/WebContent/AuroraStorefrontAssetStore/javascript/CheckoutArea/CheckoutPayments.js | Code to send additional parameters to save in PPCEXTDATA. |
| ShipmodeSelectionExt.js | /crs-web/WebContent/AuroraStorefrontAssetStore/javascript/CheckoutArea/ShipmodeSelectionExt.js | Code to display (or not) the PayPal Checkout button on the mini cart page and checkout Logon page. |
| ShippingAndBillingServicesDeclaration.js | /crs-web/WebContent/AuroraStorefrontAssetStore/javascript/CheckoutArea/ShippingAndBillingServicesDeclaration.js | Definitions of required REST calls. |

### CSS

| Page | File Path | Modification |
| --- | --- | --- |
| store.css | /crs-web/WebContent/AuroraStorefrontAssetStore/css/store.css | Code to display saved and new payments in mobile view. Div IDs or class names are added for hosted fields and button styling. |

## Resource bundle

1. Add new properties to storetext\_v2.properties between the comments #BRAINTREE START# and #BRAINTREE END#. These comments may occur multiple times in a page.

#### storetext\_v2.properties

/crs-web/src/main/resources/AuroraStorefrontAssetStore/storetext\_v2.properties

#### storetext\_v2\_en\_US.properties

/crs-web/src/main/resources/AuroraStorefrontAssetStore/storetext\_v2\_en\_US.properties

#### widgettext.properties

/crs-web/WebContent/Widgets\_801/Properties/widgettext.properties

1. Create a package under Stores/src with the name **AuroraESite.**
2. Copy these files:

#### BraintreeConfig.properties

/Stores/src/AuroraESite/BraintreeConfig.properties

#### BraintreeErrorMessages.properties

/Stores/src/AuroraESite/BraintreeErrorMessages.properties