**Test Specification**

**int\_wirecard**

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# Checkout sfra

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| **Test case WIRE-1: purchase of a product using guest checkout with payment method PG\_CREDITCARD** | | |
| **Summary** | After adding a product to the cart, the customer proceeds to the checkout as a guest (without login) and selects “Wirecard Credit Card” (PG\_CREDITCARD) as payment method in the billing step.  The credit card form gets rendered where the customer enters his credit card data. Finally he places the order which results in a new order being created with the status “created”. | |
| **Preconditions** | * Import of metadata as described in the integration guide * Payment method PG\_CREDITCARD is enabled in BM / Merchant Tools / Ordering / Payment Methods * At least one available shipping method | |
| **#** | **Step actions** | **Expected results** |
| **1** | Add orderable product to the cart, start guest checkout | Checkout step “shipping” is displayed |
| **2** | Enter shipping address, select shipping method, proceed to payment step, enter e-mail address / phone number, select payment method “Wirecard Credit Card” | “Seamless integration” (credit card form) is rendered |
| **3** | Enter credit card data ([sample data](https://doc.wirecard.com/CreditCard.html#API_CC_TestCards)), e.g.   |  |  | | --- | --- | | **Type** | MasterCard | | **No** | 5413330300001006 | | **Cvc** | 006 | | **Expiry** | 01 / 2023 |   Then proceed to order overview and place order | Order Success Page is displayed |
| **Execution type** | manual | |
| **Estimated exec. Duration (min)** | 10 | |
| **Importance** | high | |

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| **Test case WIRE-2: purchase of a product using guest checkout with payment method PG\_PAYPAL** | | |
| **Summary** | After adding a product to the cart, a customer proceeds to the checkout as a guest (without login) and selects “Wirecard PayPal” (PG\_PAYPAL) as payment method in the billing step.  After he places the order the customer gets redirected to paypal.com (sandbox) where he logs in with his paypal credentials. When he confirms the purchase, the customer is redirected back to the shop, where the order success page is displayed. A new order was created with the status “created”. | |
| **Preconditions** | * Import of metadata as described in the integration guide * Payment method PG\_PAYPAL is enabled in BM / Merchant Tools / Ordering / Payment Methods * At least one available shipping method | |
| **#** | **Step actions** | **Expected results** |
| **1** | Add orderable product to the cart, start guest checkout | Checkout step “shipping” is displayed |
| **2** | Enter shipping address, select shipping method, proceed to payment step, enter e-mail address / phone number, select payment method “Wirecard PayPal”. Proceed to order overview  Place the order | Order overview page with “Wirecard PayPal” as payment method.  Customer gets redirected to paypal.com |
| **3** | Login with the PayPal [test credentials](https://doc.wirecard.com/API_PaymentMethods_PayPal.html#PayPal_TestCredentials). Confirm order | Order Success Page is displayed |
| **Execution type** | manual | |
| **Estimated exec. Duration (min)** | 5 | |
| **Importance** | high | |

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| **Test case WIRE-3: purchase of a product using guest checkout with payment method PG\_SEPA** | | |
| **Summary** | After adding a product to the cart, a customer proceeds to the checkout as a guest (without login) and selects “Wirecard SEPA Direct Debit” (PG\_SEPA) as payment method in the billing step.  After he places the order the customer gets redirected to paypal.com (sandbox) where he logs in with his paypal credentials. When he confirms the purchase, the customer is redirected back to the shop, where the order success page is displayed. A new order was created with the status “created”. | |
| **Preconditions** | * Import of metadata as described in the integration guide * Payment method PG\_SEPA is enabled in BM / Merchant Tools / Ordering / Payment Methods * At least one available shipping method | |
| **#** | **Step actions** | **Expected results** |
| **1** | Add orderable product to the cart, start guest checkout | Checkout step “shipping” is displayed |
| **2** | Enter shipping address, select shipping method, proceed to payment step, enter e-mail address / phone number, select payment method “Wirecard SEPA Direct Debit”. | Order overview page with “Wirecard SEPA Direct Debit” as payment method. |
| **3** | Enter “Account holder” and “iban” (iban only needs to be syntactically correct – test data!)  Proceed to place order. Place order | Order Success Page is displayed |
| **Execution type** | manual | |
| **Estimated exec. Duration (min)** | 10 | |
| **Importance** | high | |

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| **Test case WIRE-4: purchase of a product using guest checkout with payment method PG\_SOFORT** | | |
| **Summary** | After adding a product to the cart, a customer proceeds to the checkout as a guest (without login) and selects “Wirecard Sofort.” (PG\_SOFORT) as payment method in the billing step.  After he places the order the customer gets redirected to sofort. When he confirms the purchase, the customer is redirected back to the shop, where the order success page is displayed. A new order was created with the status “created”. | |
| **Preconditions** | * Import of metadata as described in the integration guide * Payment method PG\_SOFORT is enabled in BM / Merchant Tools / Ordering / Payment Methods * At least one available shipping method | |
| **#** | **Step actions** | **Expected results** |
| **1** | Add orderable product to the cart, start guest checkout | Checkout step “shipping” is displayed |
| **2** | Enter shipping address, select shipping method, proceed to payment step, enter e-mail address / phone number, select payment method “Wirecard Sofort.”. Proceed to order overview  Place the order | Order overview page with “Wirecard Sofort.” as payment method.  Customer gets redirected to sofort.com |
| **3** | Login with the Sofort. [test credentials](https://doc.wirecard.com/Sofort.html#Sofort_TestCredentials). Confirm order | Order Success Page is displayed |
| **Execution type** | manual | |
| **Estimated exec. Duration (min)** | 10 | |
| **Importance** | high | |

# Checkout sitegenesis

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| **Test case WIRE-5: purchase of a product using guest checkout with payment method PG\_CREDITCARD** | | |
| **Summary** | After adding a product to the cart, a customer proceeds to the checkout as a guest (without login) and selects “Wirecard Credit Card” (PG\_CREDITCARD) as payment method in the billing step.  The customer proceeds to the order overview page and clicks “Place order”. On the same page an overlay pops up containing the embedded credit card form. After entering the credit card data and clicking on “Einreichen” (Pay) a new order is created and the customer gets redirected to the order success page. | |
| **Preconditions** | * Import of metadata as described in the integration guide * Payment method PG\_CREDITCARD is enabled in BM / Merchant Tools / Ordering / Payment Methods * At least one available shipping method | |
| **#** | **Step actions** | **Expected results** |
| **1** | Add orderable product to the cart, start guest checkout | Checkout step “shipping” is displayed |
| **2** | Enter shipping address, select shipping method, proceed to payment step, enter e-mail address / phone number, select payment method “Wirecard Credit Card”  Continue to place order  On Order overview page click “Place order” | Embedded payment form (Credit card) is rendered as overlay on order overview page |
| **3** | Enter credit card data ([sample data](https://doc.wirecard.com/CreditCard.html#API_CC_TestCards)), e.g.   |  |  | | --- | --- | | **Type** | MasterCard | | **No** | 5413330300001006 | | **Cvc** | 006 | | **Expiry** | 01 / 2023 |   Click “Einreichen” (Pay) | Order Success Page is displayed |
| **Execution type** | manual | |
| **Estimated exec. Duration (min)** | 5 | |
| **Importance** | high | |

# Post order transactions

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| **Test case WIRE-6: Handle payment gateway notifications** | | |
| **Summary** | The payment gateway answers each request with a notification which is sent to the site’s PaymentGateway-Notify (controller action). The controller then creates a custom object “PaymentGatewayNotification”  With the metadata of the wirecard module come 2 job configurations:   * PaymentGatewayHandleNotifications * PaymentGatewayDeleteProcessesNotifications   When running the first all existing custom objects of the type PaymentGatewayNotification will be processed, i.e. all relevant orders will be updated | |
| **Preconditions** | * Import of metadata as described in testcases above * Custom site preference paymentGatewayPayPalInitialTransactionType is set to “authorization” * Execute testcase WIRE-2 (PG\_PAYPAL) * Confirm that custom objects of type PaymentGatewayNotification have been created for the orders that have been placed when executing the above tests (check field orderNo) * Confirm that order status for the above orders is “created” | |
| **#** | **Step actions** | **Expected results** |
| **1** | Go to BM > Administration > Operation > Jobs and execute job “PaymentGatewayHandleNotifications” | Job finishes without errors |
| **2** | Go to BM > Merchant Tools > Ordering | The status of the orders that have had order status “created” now is “new” |
| **3** | Open one of the orders, select tab “Attributes” | Confirm that there’s a transaction saved for the custom attribute paymentGatewayTransactionData and that the “Payment Gateway Order State” has changed to “authorized” |
| **Execution type** | manual | |
| **Estimated exec. Duration (min)** | 10 | |
| **Importance** | high | |

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| **Test case WIRE-7: Handle payment gateway processed notifications** | | |
| **Summary** | After handling custom objects of type PaymentGatewayNotification these objects are archived in another custom object of type PaymentGatewayProcessedNotification.  Running the job PaymentGatewayDeleteProcessesNotifications will remove all processed notifications. | |
| **Preconditions** | * Import of metadata as described in testcases above * Execute testcase WIRE-2 (PG\_PAYPAL) and WIRE-6 * Confirm that after executing the job in WIRE-6 there is at least on custom object of the type PaymentGatewayProcessedNotification in the context of the current site | |
| **#** | **Step actions** | **Expected results** |
| **1** | Go to BM > Administration > Operation > Jobs and execute job “PaymentGatewayDeleteProcessesNotifications” | Job finishes without errors |
| **2** | Go to BM > Merchant Tools > Custom objects  Search for custom objects “PaymentGatewayProcessedNotification” | Result: -- |
| **3** | Open one of the orders, select tab “Attributes” | Confirm that there’s a transaction saved for the custom attribute paymentGatewayTransactionData and that the “Payment Gateway Order State” has changed to “authorized” |
| **Execution type** | manual | |
| **Estimated exec. Duration (min)** | 2 | |
| **Importance** | medium | |

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| **Test case WIRE-8: Capture an authorized payment** | | |
| **Summary** | After an authorization has been successfully handled by the job as described in WIRE-6, the merchant may capture the authorized amount. It is possible to capture the complete amount or only a part of it. | |
| **Preconditions** | * Execution of WIRE-6 | |
| **#** | **Step actions** | **Expected results** |
| **1** | Go to BM > Merchant Tools > Wirecard Payment Gateway > Transaction Table and open the transaction for the order of WIRE-6 | Available as possible post-processing operations:   * Capture transaction * Cancel transaction |
| **2** | Choose “Capture transaction” and enter a partial amount, click “submit”  Go to BM > Merchant Tools > Custom objects  Search for custom objects “PaymentGatewayProcessedNotification” | A new custom object referring to the recent executed operation |
| **3** | Go to BM > Administration > Operation > Jobs and execute job “PaymentGatewayHandleNotifications”  Go back to the transaction detail view in BM > Merchant Tools > Wirecard Payment Gateway > Transaction Table (open the recently manipulated transaction) | Value for captured amount has changed to the value you have entered in step 2  Available post-processing operations:   * Capture transaction |
| **Execution type** | manual | |
| **Estimated exec. Duration (min)** | 5 | |
| **Importance** | high | |

# BM Test credentials

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| **Test case WIRE-9: Test http credentials** | | |
| **Summary** | To verify that the correct credentials for the api communications with the wirecard payment gateway have been saved in the custom site preferences, the merchant can check these credentials on a dedicated page in the business manager. | |
| **Preconditions** | * Import of module metadata * Usage of default values | |
| **#** | **Step actions** | **Expected results** |
| **1** | Go to BM > Merchant Tools > Wirecard Payment Gateway > Test credentials | Display of table with currently available payment methods |
| **2** | Click on the “Test” button(s) | Button turns green with message saying “**Merchant configuration was successfully tested.**” |
| **Execution type** | manual | |
| **Estimated exec. Duration (min)** | 2 | |
| **Importance** | medium | |

# Document history

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| **Version** | **Date** | **Changes** |
| 1.0.0 | Jun 11, 2019 | Testcases for sfra   * Checkout with PG\_CREDITCARD * Checkout with PG\_PAYPAL * Checkout with PG\_SEPA * Checkout with PG\_SOFORT   Sitegenesis   * Checkout with PG\_CREDITCARD   Post-Order operations   * Handle Payment gateway notifications * Delete processed notifications * Capture partial amount of authorized transaction   Test http credentials   * Check http credentials |