

# Amazon Payments MFA

## Overview

In order to be compliant with the PSD2, Amazon Pay introduced SCA for their transactions.

The SCA Upgrade introduces a "Confirmation Flow" to handle Multi-Factor Authentication (MFA) when it is required.

When MFA is required, the Confirmation Flow shows the credit card issuer's MFA challenge to the buyer. After the buyer interacts with the Confirmation Flow, the buyer is returned to the merchant's site (for example, order confirmation page).

Please update the AmazonPay checkout workflow after a buyer initiates their order completion and before you call the `Authorize` operation.

## Changes

### New JavaScript function `confirmationFlow()`

Due to MFA, it is necessary after a successful confirmation of an order to start a new call, the `ConfirmationFlow`.

To start the workflow, please

- execute a `Confirm` on the order on the Computop Paygate, after you receive a result
- start the `confirmationFlow` in case of success with `"confirmationFlow.success()"`
- in case of failure `"confirmationFlow.error()"` aborts the process.

Implementation of the new Javascript call is shown below. This has been optimized for our Computop merchants.

 This action should be triggered by clicking on the "Buy Now" button!

```
function confirmationFlow()
{
    // Get resultCode from call of AmazonAPA.aspx, EventToken: COD
    var resultCode = Platform call to get the ResultCode from the Confirm, AP call COD or SCO.
    // Your AmazonSellerID / AmazonMerchantID
    var amazonSellerId = 'Your_SellerID';
    // Amazon order reference generated by Address Widget
    var orderReferenceId = 'Your_Order_Reference';
    //Initiate confirmation flow
    OffAmazonPayments.initConfirmationFlow(amazonSellerId, orderReferenceId, function (confirmationFlow)
    {
        if(resultCode = '00000000')
        {
            confirmationFlow.success();
        }
        else
        {
            confirmationFlow.error();
        }
    });
}
```

Please also refer to <https://developer.amazon.com/de/docs/eu/amazon-pay-onetime/sca-upgrade.html> for additional guidance.

Merchant should be able to handle Computop's redirection (**URLSuccess** / **URLFailure**) with the result of the MFA Challenge.

### URLSuccess / URLFailure for ConfirmOrderDetails (COD) and SetOrderDetails and ConfirmOrd

| Key | Format | CND | Description |
|-----|--------|-----|-------------|
|-----|--------|-----|-------------|

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Cancel Order by Calling "Reverse.aspx" Status

|                     |          |   |                                                                                                                                                                                                                                                                                                                |
|---------------------|----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| URLSuccess          | ans..256 | M | The buyer is redirected to this URL if the MFA is successful                                                                                                                                                                                                                                                   |
| URLFailure          | ans..256 | O | The buyer is redirected to this URL if the MFA is unsuccessful                                                                                                                                                                                                                                                 |
| AuthorizationAmount | n..12    | O | The amount to authenticate during MFA completion.<br>Use this parameter if you want to set a payment amount that is different than the OrderTotal provided in the SetOrderRefer<br>If this parameter is not set, the amount authenticated during MFA will be equal to the OrderTotal provided in the SetOrderR |

On "Order Now" the merchant has to send the **URLSuccess** and **URLFailure** in the calls (EventToken=SCO | COD), because the redirect is executed a  
After "Order Now" the Confirm (EventToken=SCO | COD) is executed on the payment and then the redirect to the challenge takes place using the JavaSc

## AmazonAPA.aspx

The following event calls at the Computop Paygate are affected by the changes. Please make sure to include the new parameters.

| EventToken | Action                         | Description                                                                                                                                                                                                                                                                                                                            |
|------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SOD        | SetOrderDetails                | Transfer of amount payable and further information – controls also the pay-ment methods selectable for an c                                                                                                                                                                                                                            |
| GOD        | GetOrderDetails                | Request of order information, e.g. to get information about a newly selected delivery address. After a call with the billing address of the customer.<br><br>When Scope enters "payments:shipping_address" and "payments:billing_address" you receive the full delive Address widget. Please transfer the OrderReferenceld on call up. |
| SCO        | SetOrderDetailsAndConfirmOrder | Order confirmation again with transfer of amount payable and further information – with this Eventtoken the mation authorizations can be submitted to Amazon immediately.                                                                                                                                                              |
| COD        | ConfirmOrderDetails            | Optional, if amount payable and further information should not transferred once more for order confirmation (SCO for order confirmation.)                                                                                                                                                                                              |
| COR        | CloseOrderReference            | Closing an Amazon order. Captures related to open authorizations as well as credits are possible furthermore                                                                                                                                                                                                                           |

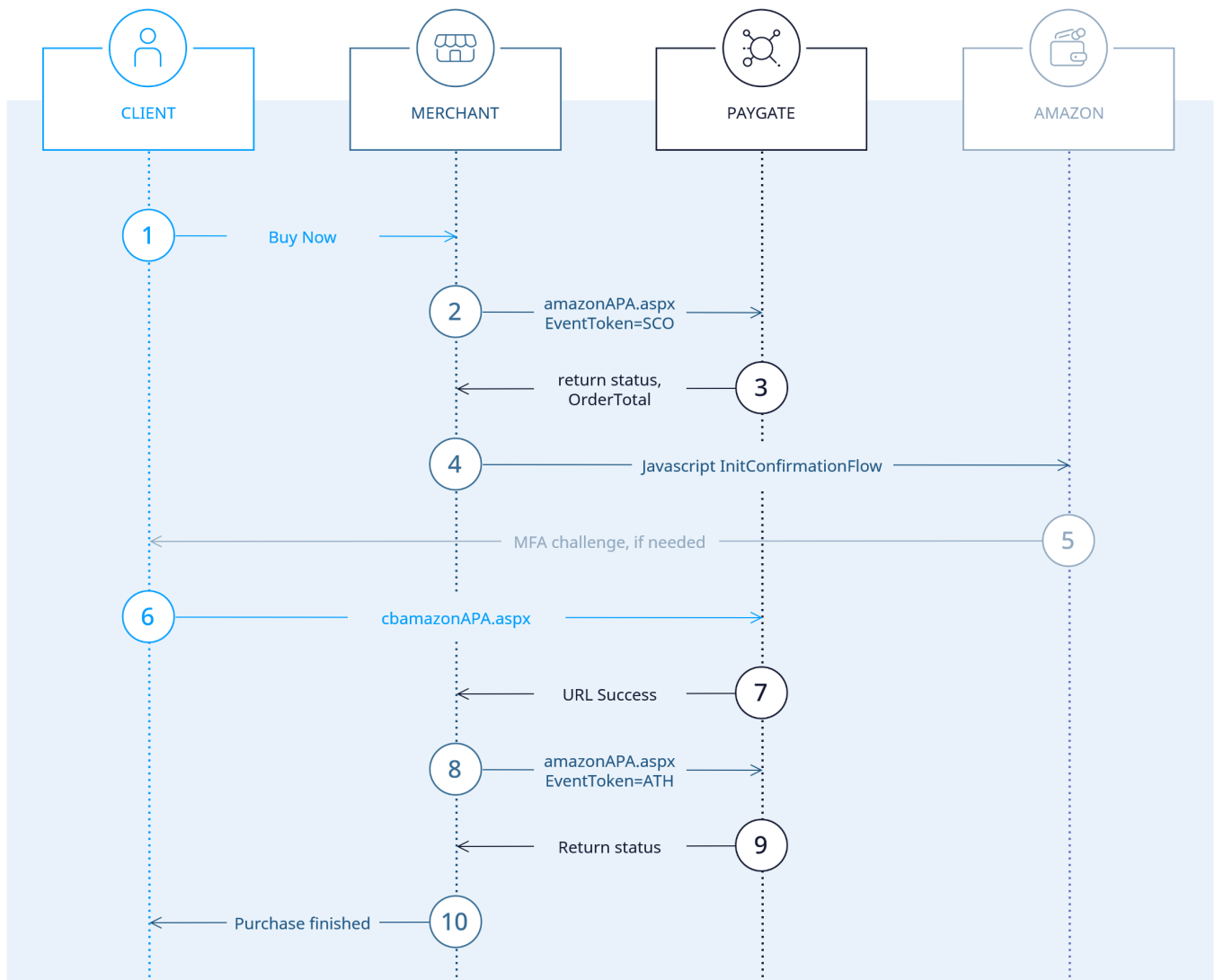
## User Flow and Sequences

### Flow

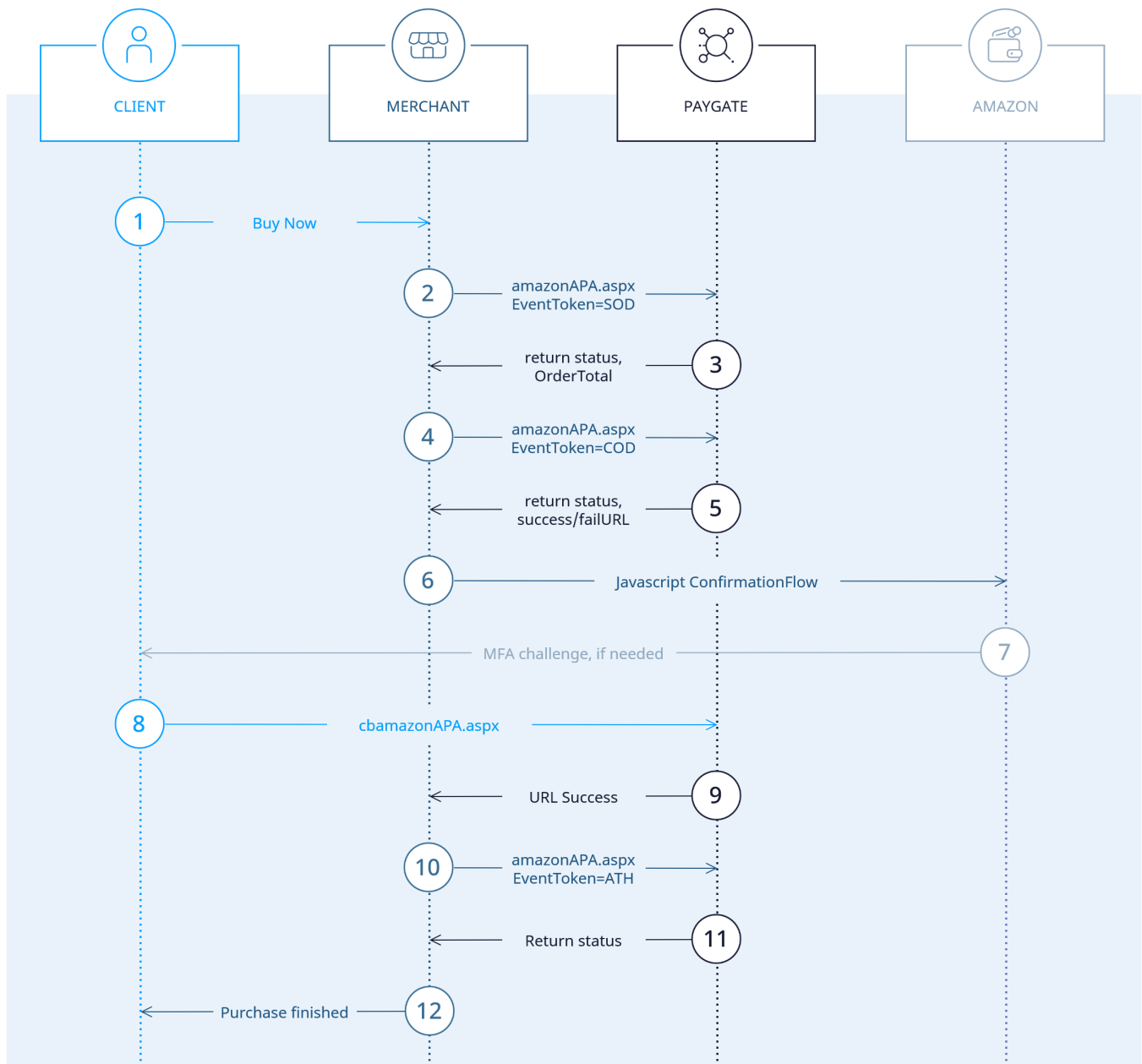
1. Clicks on AmazonPay button to sign-in
2. Chooses an address from the widget
3. Chooses payment method from the widget
4. Confirms the order

### Option 1: SCO

This is the recommended option.



## Option 2: SOD and COD

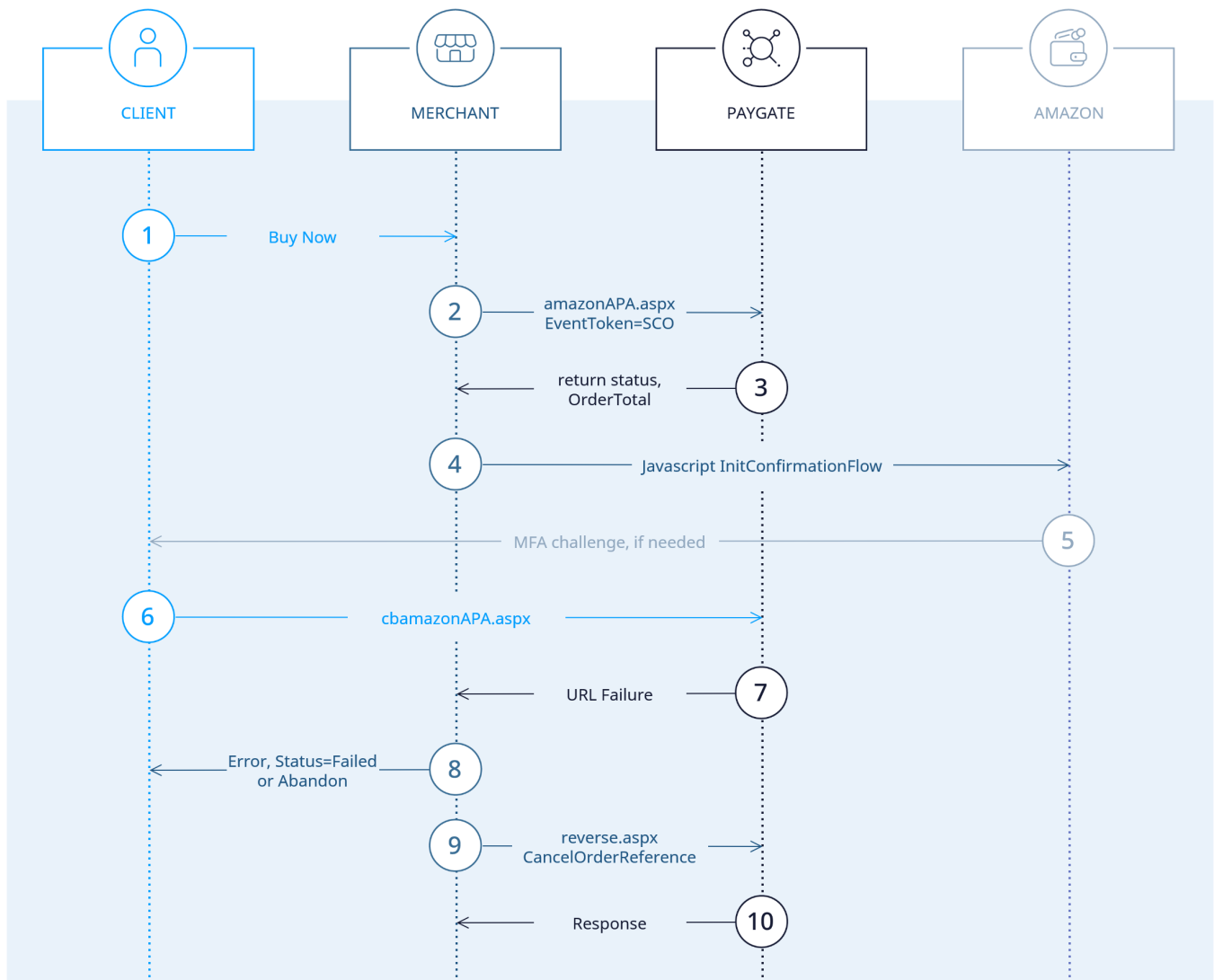


1. The first call is to be made to ConfirmationFlow – with this, AmazonPay can handle the MFA if required. Here is confirmationFlow error/success t js file already used for the other widgets.
2. Call SetOrderDetails (SOD) including OrderTotal
3. Call ConfirmOrderDetails (COD) set URLSuccess/URLFailure parameter with a returnUrl value



As shown above, we recommend the SCO call that is a single step to set the order details and also to confirm the order Details.

### Option 3: MFA Failure



We recommend our merchants to only work with the Paygate status or Paygate response code in these cases.

#### Status =>Abandoned:

#### Status =>Failure:

1. If the customer fails or abandons the challenge, the customer is redirected to the URLFailure.
2. Logout the user.
3. Cancel the order by calling "Reverse.aspx"

#### Cancel Order by Calling "Reverse.aspx"

In order to reverse a complete order with Amazon Pay with the function „CancelOrderReference“, please request to <https://www.computop-paygate.com/r>

More and detailed information is found in the official Computop documentation here: [Amazon Pay Manual](#)

#### Status

If the MFA is successful, the redirection is done to **URLSuccess**, if not the redirection is done to **URLFailure**.

| Authentication Status Value | Description                | Recommended Action                                                                                  |
|-----------------------------|----------------------------|-----------------------------------------------------------------------------------------------------|
| Success                     | Successful / not necessary | No action needed                                                                                    |
| Failure                     | Failed                     | Redirection FailureURL or forwarding to page in order to use a payment method other than Amazon Pay |
| Abandoned                   | Failed                     | Redirection FailureURL or to page to replace the order using Amazon Pay and complete it             |



The Amazon Authentication Response is given back to the shop via the Paygate in the Response Parameter = amazonstatus.

Example: **amazonstatus**=Abandoned



In the Amazon SCA manual point 3 (Amount consistency)

The **AuthorizationAmount** value (in the Authorize operation) must always match the **CaptureAmount** value (in the Capture operation).

**If not the Capture operation call response will be handled asynchronously;** the Capture object State value is set to Pending and may not be within seven days of the Authorize operation call!