

3D Secure v2 Protocol in NDC Payment Flow

Description

This enhances security and increases user experience for payments in NDC flow.

Pre-requisite

A 3D Secure authentication has been performed via an external authentication provider.

Process

If payment method details are sent together with 3D Secure v2 authentication data during the creation or the modification of an order:

- Payment method details and 3D Secure v2 authentication data will be transmitted to the Amadeus Payment Platform (APP).
- APP will contact the Payment Service Provider or Bank to request the payment authorisation.
- Payment Service Provider or Bank will validate authentication data and authorise/deny the payment.

Illustration

OrderCreateRQ OrderChangeRQ	<pre><AugmentationPoint xmlns:DS2= "http://www.iata.org/IATA/2015/00/BP/2018.1/SecurePayment_v1.0"> <DS2SecurePayment> <DS2:PaymentProcessingDetails> <DS2:Amount>3340</DS2:Amount> <DS2:PaymentInfoID>1</DS2:PaymentInfoID> <DS2:PaymentMethod> <DS2:PaymentCard> <DS2:SecurePaymentVersion2> <DS2:AuthenticationTokenValue>XXX </DS2:AuthenticationTokenValue> <DS2:DirectoryServerTrxID>YYY </DS2:DirectoryServerTrxID> <DS2:ElectronicCommerceInd>05 </DS2:ElectronicCommerceInd> <DS2:ProgramProtocolText>2.1.0 </DS2:ProgramProtocolText> <DS2:TrxStatusText>Y</DS2:TrxStatusText> <DS2:PaymentTrxChannelCode>EC </DS2:PaymentTrxChannelCode> </DS2:SecurePaymentVersion2> </DS2:PaymentCard> </DS2:PaymentMethod> <DS2:TypeCode>CC</DS2:TypeCode> </DS2:PaymentProcessingDetails> </DS2:SecurePayment> </AugmentationPoint></pre>
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