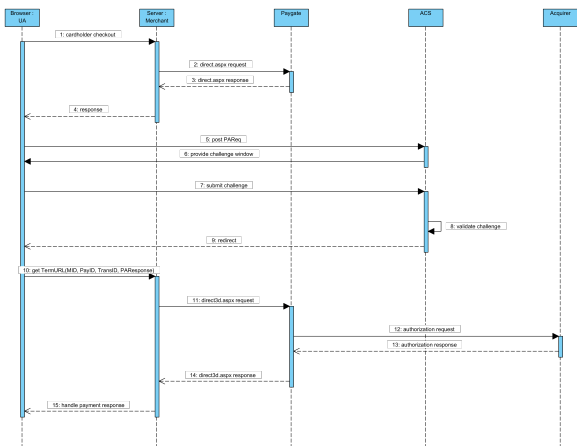


Server-2-Server - 3DS 1.0 Fallback

In case the Access Control Server (ACS) of the cardholder's bank does not support any EMV 3DS protocol version (i.e. 2.0 or higher, see `acsStartProt` element of the `versioningData` object in the payment response will be `Null`.

- [3DS 1.0 Authentication](#)
 - [Data Elements transferred to the TermURL](#)
- [Authorization](#)
 - [Request Elements](#)
 - [Response Elements](#)

Sequence Diagram



3DS 1.0 Authentication

In order to a 3DS 1.0 authentication request through the cardholder browser it is required to construct a form with the data elements provided in `threeDS`

The form fields that are sent to the ACS are listed in the table below:

Form Element	Description
PAReq	A constructed, Base64 encoded and compressed field carrying the Payer Authentication Request Message Fields. The compression algorithm uses Huffman coding as specified in RFC 1951.
TermURL	The merchant URL the ACS will redirect the cardholder to after the authentication has concluded. Note that <code>TermURL</code> adds the fields <code>PayID</code> , <code>TransID</code> , and <code>PAResponse</code> . Please do not alter the <code>TermURL</code> !
MD	The MD (i.e. Merchant Data) field can carry whatever data the merchant needs to continue the session. Please note that this field must be Base64 encoded.

Sample: `PAReq` form passed through the Cardholder to the ACS URL

```

<html>
  <head>
    <script language=\"javascript\">
      <!--
        function sendpareq()
        {
          document.pareq_form.submit();
        }
      // -->
    </script>
  </head>

  <body onload=\"javascript:sendpareq();\">
    <form action=\"https://pit.3dsecure.net/VbVTestSuiteService/pit1/acsService/paReq?summary=ZTIwOWMwYmEtNTV
method=\"POST\" name=\"pareq_form\">
      <input type=\"hidden\" name=\"PaReq\" value=\"eJxVUst22jAQ/RUfL7rpMZKFiQ0dK4dXgAVOTmuSpjvVGsApfkSWA+TrK/F
/Ql0Hy6ySebmJ3VV650Wu02hRSrGrSozdIzbuLYd0qxAnPzBrFXJYYtOIDTq5jNlaCIEiozywkhILwh7gddnFDlJMVyv15HfYz2Xw8PwO75yuPT
gUqBYTPk4fR4+M+jdAzgEoRYG8zrXGRn+dFb/nzhdRlN+ccQXklIOsakutjpyF5tWVQKt2fKt1PSBkv993sqgoWl3VHYlAbA7Ix0gPrUWN0Trkkv
/unBxt+n8ZAbAVIoZGbmSPaY4HjB4MuHQR9IKc4iMIOWXlKzXpnDLVtMfyU+BwA47sydzryfhiZHa4M8FCbm5kKY+U/DBKbjKfGD9PQQiAfC4zn1
/Zi+rn6rrJ20xWt4P49h6fiqw8rnxyo/8s74lQKwEuZyTXP6CQf/9kb8b1MvQ\">
      <input type=\"hidden\" name=\"TermUrl\" value=\"http://localhost:40405/test/3DTermURL.aspx?
PayID=dc67820e15f049c9b6c1f0420729da8a&TransID=20180524-162741-084&MID=gustav\">
      <input type=\"hidden\" name=\"MD\" value=\"Optional merchant session data\">
    </form>
  </body>
</html>

```

Once the authentication has been completed or the cancelled by the cardholder the ACS will redirect the cardholder through the cardholder's browser to the request.



The Payer Authentication Response (**PaRes**) will be transferred via **HTTP POST** method while **MID**, **PayID** and **TransID** are sent in the HTTP request.

Data Elements transferred to the TermURL

Key	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by
PayID	an32	M	ID assigned by for the payment, e.g. for referencing in batch files as well as for capture or credit request.
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
PARes	--	M	The PARes (Payer Authentication Response) message sent by the ACS in response to the PaReq regardless of whether authentication

Key	Format	CND	Description
PayID	an32	M	ID assigned by for the payment, e.g. for referencing in batch files as well as for capture or credit request.

Key	Format	CND	Description
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment

Key	Format	CND	Description	Beschreibung
PARes	--	M	The PARes (Payer Authentication Response) message sent by the ACS in response to the PaReq regardless of whether authentication is successful	Die vom ACS gesendete PARes-Nachricht PaReq ungeachtet dessen, ob die Authentifizierung

Authorization

In order to authorize an 3DS 1.0 authenticated payment you must POST the parameter as listed in the table below **unencrypted** to direct3d.aspx. The response

Request Elements

Key	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by . Additionally this parameter has to be passed in plain language too.
PayID	an32	M	ID assigned by for the payment, e.g. for referencing in batch files as well as for capture or credit request.
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
PAResponse	--	M	The PARes (Payer Authentication Response) message sent by the ACS

Key	Format	CND	Description
PayID	an32	M	ID assigned by for the payment, e.g. for referencing in batch files as well as for capture or credit request.

Key	Format	CND	Description
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment

Key	Format	CND	Description	Beschreibung
PAResponse	--	M	The PARes (Payer Authentication Response) message sent by the ACS	Die vom ACS gesendete PARes-Nachricht (Payer Authentifizierung)

Response Elements

Key	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by
PayID	an32	M	ID assigned by for the payment, e.g. for referencing in batch files as well as for capture or credit request.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment
Status	a..20	M	Status of the transaction. Values accepted: <ul style="list-style-type: none"> • Authorized • OK (Sale) • FAILED
Description	ans..1024	M	Textual description of the code
Code	n8	M	Error code according to Response Codes (A4 Response codes)
card	JSON	C	Card data
ipInfo	JSON	O	Object containing IP information
threeDSData	JSON	M	Authentication data

Key	Format	CND	Description
PayID	an32	M	ID assigned by for the payment, e.g. for referencing in batch files as well as for capture or credit request.

Key	Format	CND	Description
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by

Key	Format	CND	Description
TransID	ans..64	M	TransactionID provided by you which should be unique for each payment

Key	Format	CND	Description	Beschreibung
-----	--------	-----	-------------	--------------

Status	a..20	M	Status of the transaction. Values accepted: <ul style="list-style-type: none"> • Authorized • OK (Sale) • FAILED 	Status der Transaktion. Zulässige Werte: <ul style="list-style-type: none"> • Authorized • OK (Sale) • FAILED
Description	ans..1024	M	Textual description of the code	Textliche Beschreibung des Codes

Key	Format	CND	Description
Code	n8	M	Error code according to Response Codes (A4 Response codes)

Key	Format	CND	Description	Beschreibung
card	JSON	C	Card data	Kartendaten
ipInfo	JSON	O	Object containing IP information	Objekt mit IP-Informationen
threeDSData	JSON	M	Authentication data	Authentisierungsdaten