

FLOA Testing

- Floa Test Data
 - MerchandID and MerchantSiteID
 - Country specific Data
- Payment request creation
 - HMAC Calculation
 - The DATA field and Len value
- Make a Payment

 FLOA is enabled on the test MID **BNP_DEMO_AXEPTA**, the technical data (HMAC, Blowfish) is available in the [Test Environment](#) section.

Floa Test Data

MerchandID and MerchantSiteID

MerchandID

 Test configuration

MerchantIdext : 38

Montant minimum d'une commande de test : 100€
Montant maximum d'une commande de test : 2000€

MerchantSiteID List

Country	Payment method	MerchantSiteID	Capture Method
France	3X	7369	Automatic
France	3X	7240	Manual
France	4X	7017	Automatic
France	4X	7235	Manual
France	1XD	7377	Automatic
France	3XD	7378	Automatic
France	10X	7286	Automatic
Spain	3X	7936	Automatic
Spain	3X	71085	Manual
Spain	4X	7594	Automatic
Spain	4X	71086	Manual
Spain	1XD	7929	Automatic
Italy	3X	7934	Automatic
Italy	3X	71089	Manual
Italy	4X	7937	Automatic
Italy	4X	71082	Manual

Italy	1XD	71122	Automatic
Portugal	4X	7938	Automatic
Portugal	4X	71088	Manual
Portugal	1XD	70838	Automatic
Belgium	3X	70719	Automatic
Belgium	1XD	7930	Automatic

Country specific Data

AXEPTA API parameters	Belgium	Spain	Italy	Portugal
Language	nl-BE en-BE	es-ES	it-IT	pt-PT
AddrCountryCode	BE	ES	IT	PT
PersonID	NA	40919740A	RSSMRA74D22A001Q	999999999

Payment request creation



Objective: Make a 3X payment request with automatic capture

HMAC Calculation

The HMAC value is obtained by encrypting the string PayID*TransID*MerchantID*Status*Code with your store's HMAC key.

Example with [BNP_DEMO_AXEPTA](#)

- PayID*TransID*MerchantID*Amount*Currency ***TID-603512401222998545*****BNP_DEMO_AXEPTA*****20000*****EUR**
- HMAC value **5D32E54BC3628698E59B7A9830617AD9135AD3FAAC24FDC2D2ED6F554C40C719**

The **DATA** field and **Len** value

The **DATA field** is obtained in 2 steps:

1. Creating a character string containing all the parameters necessary to create the FLOA payment
2. Encrypting this character string with the Blowfish key

The **Len** field is the size of the **DATA** field.

1) Creating the character string for a 'standard' FLOA payment request

All the parameters needed to create a standard FLOA payment request are available in the [FLOA Pay Direct Integration](#) section.

You will find below a FLOA Sandbox Payment request

```

TransID=TID-603512401222998545
&MerchantID=BNP_DEMO_AXEPTA
&RefNr=AEEZA92
&Amount=20000
&Currency=EUR
&URLSuccess=https://www.paytest.org/ct-test-1/success.php&URLFailure=https://www.paytest.org/ct-test-1/failure.php
&URLNotify=https://www.paytest.org/ct-test-1/notify.php
&TermURL=https://www.paytest.org/ct-test-1/term.php
&Response=encrypt
&Response=encrypt
&MerchantIDExt=38
&PayType=7369
&CustomerID=ID_User_1234567
&FirstName=John
&LastName=Doe
&MobileNr=0607080910
&Email=john.doe@mail.com
&AddrStreet=rue du marche
&AddrZIP=75001
&AddrCity=PARIS
&AddrCountryCode=FR
&Date=25/10/2022
&FirstOrderDate=05/07/2022
&LastOrderDate=25/10/2022
&Channel=DESKTOP
&DeliveryChannel=STD
&NumberArticles=3
&Homepage=https://axepta.bnpparibas/&URLBack=https://axepta.bnpparibas/
&ProductDetails=ewogICAgImNhdGVnb3JpZTEiOiAiQ2F0ZWdvcml1IDEGZGUGcHJvZHVpdCIsCiAgICAiY2F0ZWdvcml1MiI6ICJDYXRlZ29yaWUgMiBkZSBwcm9kdWl0IiwKICAgICJjYXRlZ29yaWUzIjogIkNhdGVnb3JpZSAzIGRlIHByb2R1aXQiCn0=
&MAC=5d32e54bc3628698e59b7a9830617ad9135ad3faac24fdc2d2ed6f554c40c719

```

You will find below an example of a FLOA request in "copy/paste" format.

```

TransID=TID-603512401222998545&MerchantID=BNP_DEMO_AXEPTA&RefNr=AEEZA92&Amount=20000&Currency=EUR&URLSuccess=https://www.paytest.org/ct-test-1/success.php&URLFailure=https://www.paytest.org/ct-test-1/failure.php&URLNotify=https://www.paytest.org/ct-test-1/notify.php&TermURL=https://www.paytest.org/ct-test-1/term.php&Response=encrypt&MerchantIDExt=38&PayType=7369&CustomerID=ID_User_1234567&FirstName=John&LastName=Doe&MobileNr=0607080910&Email=john.doe@mail.com&AddrStreet=rue du marche&AddrZIP=75001&AddrCity=PARIS&AddrCountryCode=FR&Date=25/10/2022&FirstOrderDate=05/07/2022&LastOrderDate=25/10/2022&Channel=DESKTOP&DeliveryChannel=STD&NumberArticles=3&Homepage=https://axepta.bnpparibas/&URLBack=https://axepta.bnpparibas/&ProductDetails=ewogICAgImNhdGVnb3JpZTEiOiAiQ2F0ZWdvcml1IDEGZGUGcHJvZHVpdCIsCiAgICAiY2F0ZWdvcml1MiI6ICJDYXRlZ29yaWUgMiBkZSBwcm9kdWl0IiwKICAgICJjYXRlZ29yaWUzIjogIkNhdGVnb3JpZSAzIGRlIHByb2R1aXQiCn0=&MAC=5d32e54bc3628698e59b7a9830617ad9135ad3faac24fdc2d2ed6f554c40c719

```



Please check that the TransID, RefNr, and CustomerID fields are unique before initiating a new payment and that the MerchantID field matches with your online store.

2) Data end Len creation field

Encrypting the string with BNP_DEMO_AXEPTA Blowfish key we got the following value :

DATA=43ad07f58ff6a5f9ebbdd42e361d2c85ce4ad41fcd63c69781d7318aad096f4d7699c0ce131681d934289cb04e179b8e64ea10ed7fcd7327cea3cc11c6705870841f76dfec778fc6632d6c88f6d35c0ccdbd1cce4a57871c3d5119afca2d8ad01763bde51dc74f66611cbdb9ca85242ec1c384b76f2a008b3b4ad0833cad089ef4e31033648b1e097cfeb70b6bb957f0ba07be2136990fd7066a61c5087eb76762c0f3982d4cf06ac9ea17c91ba2849ef4e31033648b1e097cfeb70b6bb957f98f8be4b0424244d4778f5b020fca86d9f205ba9a2d693c5ab090f6b6860d4543ad07f58ff6a5f9ebbdd42e361d2c85ce4ad41fcd63c6977ee5f4ae41f7b7e6a83be998660fd992ad33abac5d6306a9e735dfdeaaef55ba9103c629c0e5d7f098a6e0d9f666b277b3a3263030fe6db25725982025547b6fd5225cd8b9f469ececfff7b237caca34a8860867fba90d6d286fa3a9f585e114ecffac02fa6f76f16e3c8a0500b497eefcb388b02392b5f714201292e5be819c19060dc6f169368ceb0951b77fbc24214fdd207ad9889931eeee8152be538ec64b25cb7fba0373cdcfb388b02392b5f714201292e5be819c19060dc6f169368ceb0951b77fbc24218aa0d4eefec3d7227e5e5011b3dac317553ebf1fe5a3e78a0ccdbd1cce4a5787f41ca8e0820555969522e875be787e1bb103c689b929ab97ffe9ed068ca81f514980ce343015a805a3bc64670b56d42743ad07f58ff6a5f91fda96696989d8d5121f050256c279b95217d10b78c0c6613408bf38a991833b168765edc9cebd7b3eee627be88f9d70cb1b630ac4b67791c3221dd71cf614db94c37420cc2a1e7ce9207eaa70781f748c0aff7f84bc02f003629c7f90a295d3adfd5fa0fadbb444305c2f49a15986407cbe394943e7f190fa5d02ed1704a08a210c8471c611df07f678407aca21170fd671e3d5a3b047d6d54fc77219c2f4feac48db213405e337dfd80c325a44e8d4dca7ef636d6d06b929b769ce6bc6bc5c07d5b326d0ee6239627aa4a5299e99ba5036d2f807a3588e92d0c8f438134657067f0e8c1cc19875874d0f1528fd562b4ec312bf1ebeaca9679b1a824cdf0c6e4b212497632c9c31a1aacd74323105aa4ce48cfd56ac0ecd42a2fa29a3554d00cb4f994878a0a0d80879a6bb2c775dd773b39b386eefa975d28d3668c13dd15e9150fac37309c0360703fd966a5046cc491604de6118a52b76b5248454ddd286f2a8b24b0fe371eccbda6ccb4fc253b255c06e0df990fdd94f4313ec2b94142dea706dc2f1957df00d0beb0d3b527a0657581ca09feffc0fb430b29241637212780f7b7e6eb8ab026e4bcd39ab0a15d47e30f0f31300242566b91813b36a7ee2e904ee61991333fd40388c0fcde0806ab017fdb40b3381867e30f0f313002425247e10ea390b4a19d682c49870005066cd86d16355aa6e46870b68bd7d7faec2d597814b868753e2dc625646022d6b8d682c49870005066771a6a544ace53ef79f47397fdb37b8ec213d54cf06585137b5bfce7b59fdee583f8943a1ef51691e72c246ba4046569a550051007a798db6c01f3f2786e33c05272bacc84b3ba1363a3823aac673d4322492fb0efc298ba956760eea2cc913a492fb5c5c3afb0e012a42f533f954eeb4ba7f15fe830e9ec522dc803bd2fd9c9f517b2c4fd0d969dcf3c7b153e7205e134253b94352700998e6a1d34ce01f120461c3f1ff461ff6104b31a46c28cc244d322c043254729f3f32e2b09ce531864e6737ee016d7869&Len=1270

3) Finalize the request

A request sent to the platform contains three basic parameters: **MerchantID**, **Len**, and **Data**.

The **MerchantID** and **Len** parameters are not encrypted, only the **Data** parameter is encrypted with the Blowfish key, such as :
MerchantID=YourMerchantID&Len=67&Data=0A67FE96a65d384350F50FF1

These items are added to the FLOA endpoint as follows:

https://paymentpage.axepta.bnpparibas/floapay.aspx?
MerchantID=YourMerchantID&Len=67&Data=0A67FE96a65d384350F50FF1

Example with BNP_DEMO_AXEPTA

https://paymentpage.axepta.bnpparibas/floapay.aspx?

MerchantID=BNP_DEMO_AXEPTA&Len=1270&Data=43ad07f58ff6a5f9ebbdd42e361d2c85ce4ad41fcd63c69781d7318aad096f4d7699c0ce131681d934289cb04e179b8e64ea10ed7fcd7327cea3cc11c6705870841f76dfec778fc6632d6c88f6d35c0ccdbd1cce4a57871c3d5119afca2d8ad01763bde51dc74f66611cbdb9ca85242ec1c384b76f2a008b3b4ad0833cad089ef4e31033648b1e097cfeb70b6bb957f0ba07be2136990fd7066a61c5087eb76762c0f3982d4cf06ac9ea17c91ba2849ef4e31033648b1e097cfeb70b6bb957f98f8be4b0424244d4778f5b020fca86d9f205ba9a2d693c5ab090f6b6860d4543ad07f58ff6a5f9ebbdd42e361d2c85ce4ad41fcd63c6977ee5f4ae41f7b7e6a83be998660fd992ad33abac5d6306a9e735dfdeaaef55ba9103c629c0e5d7f098a6e0d9f666b277b3a3263030fe6db25725982025547b6fd5225cd8b9f469ececfff7b237caca34a8860867fba90d6d286fa3a9f585e114ecffac02fa6f76f16e3c8a0500b497eefcb388b02392b5f714201292e5be819c19060dc6f169368ceb0951b77fbc24214fdd207ad9889931eeee8152be538ec64b25cb7fba0373cdcfb388b02392b5f714201292e5be819c19060dc6f169368ceb0951b77fbc24218aa0d4eefec3d7227e5e5011b3dac317553ebf1fe5a3e78a0ccdbd1cce4a5787f41ca8e0820555969522e875be787e1bb103c689b929ab97ffe9ed068ca81f514980ce343015a805a3bc64670b56d42743ad07f58ff6a5f91fda96696989d8d5121f050256c279b95217d10b78c0c6613408bf38a991833b168765edc9cebd7b3eee627be88f9d70cb1b630ac4b67791c3221dd71cf614db94c37420cc2a1e7ce9207eaa70781f748c0aff7f84bc02f003629c7f90a295d3adfd5fa0fadbb444305c2f49a15986407cbe394943e7f190fa5d02ed1704a08a210c8471c611df07f678407aca21170fd671e3d5a3b047d6d54fc77219c2f4feac48db213405e337dfd80c325a44e8d4dca7ef636d6d06b929b769ce6bc6bc5c07d5b326d0ee6239627aa4a5299e99ba5036d2f807a3588e92d0c8f438134657067f0e8c1cc19875874d0f1528fd562b4ec312bf1ebeaca9679b1a824cdf0c6e4b212497632c9c31a1aacd74323105aa4ce48cfd56ac0ecd42a2fa29a3554d00cb4f994878a0a0d80879a6bb2c775dd773b39b386eefa975d28d3668c13dd15e9150fac37309c0360703fd966a5046cc491604de6118a52b76b5248454ddd286f2a8b24b0fe371eccbda6ccb4fc253b255c06e0df990fdd94f4313ec2b94142dea706dc2f1957df00d0beb0d3b527a0657581ca09feffc0fb430b29241637212780f7b7e6eb8ab026e4bcd39ab0a15d47e30f0f31300242566b91813b36a7ee2e904ee61991333fd40388c0fcde0806ab017fdb40b3381867e30f0f313002425247e10ea390b4a19d682c49870005066cd86d16355aa6e46870b68bd7d7faec2d597814b868753e2dc625646022d6b8d682c49870005066771a6a544ace53ef79f47397fdb37b8ec213d54cf06585137b5bfce7b59fdee583f8943a1ef51691e72c246ba4046569a550051007a798db6c01f3f2786e33c05272bacc84b3ba1363a3823aac673d4322492fb0efc298ba956760eea2cc913a492fb5c5c3afb0e012a42f533f954eeb4ba7f15fe830e9ec522dc803bd2fd9c9f517b2c4fd0d969dcf3c7b153e7205e134253b94352700998e6a1d34ce01f120461c3f1ff461ff6104b31a46c28cc244d322c043254729f3f32e2b09ce531864e6737ee016d7869

Make a Payment

Card Type	Card Number	Expiration date	CVV	Fonction
Card OK	5017679110380400	Always greater than today's date	000	Simulates the behavior of a valid payment
Card KO	5017679100900712	Always greater than today's date	000	Simulates the behavior of an invalid payment