

Testing integration with Apple Pay

After registering the Apple Pay Merchant ID and creating a certificate for it on the test payment gateway, you can start testing.

Below there is a short list of actions that will allow you to test Apple Pay. Further details are available [in documentation](#) on the Apple website.

Preparation for work

To test the work of Apple Pay in a test environment, you will need:

- iPhone 6 or later;
- iPad mini 3 or later;
- iPad Air 2;
- iPad Pro;
- Apple Watch.

And also a test account in iTunes Connect.

Creation of a test account

To create a test account, follow these steps:

1. Log in to the [iTunes Connect](#) website.
2. On the home page, click **Users and Roles**.
3. Click on **Sandbox Testers**.
4. Click on «+» to create a test account.
5. Enter the required information about the test account, then click **Save**.
6. Log out of your Apple ID on all test devices, then log in using your test account.

For more information about creating a test account, see [Apple documentation](#).

If you mistakenly use a test account on a test device to log in to a production environment (such as iTunes) instead of logging in to a test environment, this test account will become invalid and cannot be used again. In this case create a new test account with a new email address.

Addition of a test bank card number

To add a test bank card number, follow these steps.

1. Log out of iCloud, then log in to your test device using your test account.

2. Open the **Wallet App** and select **Add Credit or Debit Card**.
3. Complete the procedure for adding a card using the test credentials and the test bank card number (see below).

To test the connection to the payment gateway, you can use the following test cards.

VISA

Card number	4111 1111 1111 1111
Date of expiration	2034/12
Code on the back of the card	123
3-D Secure	veres=y, pares=y
3-D Secure authentication code	12345678

MasterCard

Card number	5555 5555 5555 5599
Date of expiration	2034/12
Code on the back of the card	123
3-D Secure	veres=n

MIR

Card number	2200 0000 0000 0053
Date of expiration	2034/12
Code on the back of the card	123
3-D Secure	veres=y, pares=y
3-D Secure authentication code	12345678

JCB

Card number	3530 1113 3330 0000
Date of expiration	2034/12
Code on the back of the card	123

"Stub" in Payment Gateway

Card number	6011 0000 0000 0004
Date of expiration	2034/12
Code on the back of the card	123
3-D Secure	veres=y pares=a
3-D Secure authentication code	12345678
Card number	6390 0200 0000 000003

Date of expiration	2034/12
Code on the back of the card	123 (optional parameter)
3-D Secure	veres=y, pares=a
3-D Secure authentication code	12345678
Card number	3530 1113 3330 0000
Date of expiration	2034/12
Code on the back of the card	123

Cards supporting 3-D Secure protocol version 2.0

PAN	2201382000000021
ECI	02
CVC	123
Date of expiration	2034/12
ARES_TRANS_STATUS authentication request	C - requires additional authentication with CReq/CRes.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y - authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 - yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 - code required.
PAN	2201382000000039
ECI	02
CVC	123
Date of expiration	2034/12
ARES_TRANS_STATUS authentication request	C - requires additional authentication with CReq/CRes.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y - authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 - yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 - code required.
PAN	4175003806480112
ECI	06
CVC	123
Date of expiration	2036/12

ARES_TRANS_STATUS authentication request	N - not authenticated/verified, transaction cancelled.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	N - not authenticated/verified, transaction cancelled.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 - yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 - code required.
PAN	5100000000000123
ECI	05
CVC	123
Date of expiration	2034/12
ARES_TRANS_STATUS authentication request	Y - authentication/verification successful.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y - authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	0 - no.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 - N/A (3-D Secure method is disabled).
PAN	555555555555599
ECI	N/A
CVC	123
Date of expiration	2034/12
ARES_TRANS_STATUS authentication request	C - requires additional authentication with CReq/CRes.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y - authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	0 - no.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 - N/A (3-D Secure method is disabled).
PAN	5100000000000180
ECI	05
CVC	123
Date of expiration	2034/12

ARES_TRANS_STATUS authentication request	Y – authentication/verification successful.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y – authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 – yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 – code required.
PAN	5213243734062662
ECI	02
CVC	123
Date of expiration	2034/12
ARES_TRANS_STATUS authentication request	C – requires additional authentication with CReq/CRes.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y – authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 – yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 – code required.
PAN	4111111111111111
ECI	05
CVC	123
Date of expiration	2034/12
ARES_TRANS_STATUS authentication request	Y – authentication/verification successful.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y – authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 – yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 – code required.
PAN	5100000000000008
ECI	05
CVC	123
Date of expiration	2034/12

ARES_TRANS_STATUS authentication request	Y – authentication/verification successful.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y – authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 – yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 – code required.
PAN	2201382000000013
ECI	02
CVC	123
Date of expiration	2034/12
ARES_TRANS_STATUS authentication request	C – requires additional authentication with CReq/CRes.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y – authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 – yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 – code required.
PAN	2201382000000047
ECI	02
CVC	123
Date of expiration	2036/12
ARES_TRANS_STATUS authentication request	C – requires additional authentication with CReq/CRes.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y – authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 – yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 – code required.
PAN	2201382000000054
ECI	02
CVC	123
Date of expiration	2034/12

ARES_TRANS_STATUS authentication request	C - requires additional authentication with CReq/CRes.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y - authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 - yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 - code required.
PAN	22000000000000053
ECI	02
CVC	123
Date of expiration	2034/12
ARES_TRANS_STATUS authentication request	C - requires additional authentication with CReq/CRes.
RREQ_TRANS_STATUS a response confirming that request with results from 3DS Requestor / 3DS Server has been received	Y - authentication/verification successful.
TDS_METHOD_ENABLED whether 3-D Secure authentication method is enabled or not	1 - yes.
AUTO_ACS_CHALLENGE redirect to finish page without checking SMS code	0 - code required.

Cards that return errors

Card number	5555 5555 5555 5557
Date of expiration	2034/12
Code on the back of the card	123 (optional parameter)
3-D Secure	veres=y, pares=u
3-D Secure authentication code	12345678
Returned error	Declined. PaRes status is U (-2011) Issuing bank was not able to perform the authorization of a 3D-Secure card.
Card number	4000 0000 0000 0002
Date of expiration	2034/12
Code on the back of the card	123 (optional parameter)
3-D Secure	veres=u
Returned error	Declined. PaRes status is U (-2011) Issuing bank was not able to perform the authorization of a 3D-Secure card.
Card number	4444 3333 2222 1111

Date of expiration	2034/12
Code on the back of the card	123
3-D Secure	veres=y, pares=u
3-D Secure authentication code	12345678
Returned error	Declined. VeRes status is U (-2016) Issuing bank was not able to perform the authorization of a 3D-Secure card.
Card number	5555 5555 4444 4442
Date of expiration	2034/12
Code on the back of the card	123
3-D Secure	veres=u
Returned error	Declined. VeRes status is U (-2016) Issuing bank could not determine if the card is 3-D Secure.
Card number	4444 4444 4444 4422
Date of expiration	2034/12
Code on the back of the card	123
Returned error	Invalid message format (913) The message format is incorrect in terms of IPS.
Card number	4444 4444 1111 1111
Date of expiration	2034/12
Code on the back of the card	123
Returned error	Network refused transaction (5) Refuse of network to process transaction.
Card number	4444 4444 4444 6666
Date of expiration	2034/12
Code on the back of the card	123
Returned error	BLOCKED_BY_LIMIT (-20010) Transaction was rejected because the payment amount exceeded the configured limits of issuing bank.
Card number	4444 4444 4444 4455
Date of expiration	2034/12
Code on the back of the card	123
Returned error	Card limitations exceeded (902) Card limitations (the Cardholder is attempting to perform a transaction that is forbidden for him).
Card number	4444 4444 9999 9999
Date of expiration	2034/12
Code on the back of the card	123

Returned error	TDSEC_COMM_ERROR (151017) 3-D Secure - communication error.
Card number	4444 4444 4444 3333
Date of expiration	2034/12
Code on the back of the card	123
Returned error	Limit exceeded (123) The limit on the number of transactions is exceeded: the client has performed the maximum number of transactions during the limit cycle and tries to perform another one.
Card number	4408 8962 5320 5448
Date of expiration	2034/12
Code on the back of the card	123
Returned error	Not enough money (116) Transaction amount exceeds the available balance of the selected account.
Card number	4012 8888 8888 1881
Date of expiration	2034/12
Code on the back of the card	123
Returned error	RESPONSE_TIMEOUT (1510190) Processing timeout. Sending is success, response from the bank was not received.
Card number	4563 9601 2200 1999
Date of expiration	2034/12
Code on the back of the card	123
Returned error	CANNOT_SEND_REQUEST (151018) Processing timeout. Sending is failed.

Cards with "Spasibo" bonuses

Card number	4276 1057 5725 6223
Date of expiration	2034/12
Code on the back of the card	950
Card status	SPASIBO AMOUNT = disabled
Comment: this is not a card of a participant of Spasibo loyalty program. The card is only for testing and has limited functionality, i.e. bonuses are not debited or accrued on it.	
Card number	4276 1076 6782 3373
Date of expiration	2034/12
Code on the back of the card	809
Card status	Activity, FRAUD = true
Comment: the card is active, crediting is available, debiting is not allowed.	

Card number	4276 1072 9066 8435
Date of expiration	2034/12
Code on the back of the card	788
Card status	Activity, FRAUD = false
Comment: card with bonuses, active, accrual and debiting is available.	
Card number	4276 1031 9982 4468
Date of expiration	2024/09
Code on the back of the card	325
Comment: card is active, accrual and debiting is available.	