TestLabs

The GPayments **TestLabs** consists of a live **Directory Server** and **Access Control Server**. It has different cardholder scenarios setup for clients to perform functional testing with their **ActiveServer** instance. All card schemes supported by **ActiveServer** are supported by **TestLabs**.

Integrating with ActiveServer

For information on integrating with **ActiveServer** to make a test transaction, you can refer to the integration guides.

On premise users only: setting up DS Profiles

For on premise users only, **DS Profiles** allows a single instance to connect to both card scheme **Production Directory Servers** and the GPayments **TestLabs**. Setup must be completed before TestLabs can be utilised. For more information on configuration, please see the DS Profiles guide.

TestLabs setup

For all TestLabs transactions, the default merchant (**Test Merchant**, with Merchant ID **123456789012345**) must be used. This includes using the client certificate available in it's merchant profile.

The following fields must also be used when performing a transaction:

- **Card holder name** - value must either be `Test Card` or an empty value
- **Expiry date (YYMM)** - value can either be the current or any future year and month, or an empty value

Warning

Not setting the above values correctly will cause the transaction to fail.

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TestLabs scenarios

The below scenarios can be initiated by using the listed card numbers when performing a transaction with the **GPayments TestLabs**:

Authentication success - frictionless

- **Description** - Transaction will complete without any challenge from the ACS.
- **ARes result:**
  - Transaction Status = Y
  - ECI = 05 or 02 (Mastercard)
  - Authentication Value is present
- **Card numbers:**

Visa	Mastercard	JCB	American Express	Discover
4100000000000100	5100000000000107	3528000000000106	340000000000108	64400000(36000000(

Authentication success - frictionless (with 3DS Method)

- **Description** - Transaction will complete without any challenge from the ACS, after the 3DS Method is completed by the ACS.
- **ARes result:**
  - Transaction Status = Y
  - ECI = 05 or 02 (Mastercard)
  - Authentication Value is present
- **Card numbers:**

Visa	Mastercard	JCB	American Express	Discover
4100000000600008	5100000000600005	3528000000600004	340000000600006	6440000000600

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Authentication success - challenge

- **Description** - Transaction will step up to a challenge using a password. Enter the password "123456" and submit to complete the transaction.
- **ARes result:**
  - Transaction Status = C
- **RReq result:**
  - Transaction Status = Y
  - ECI = 05 or 02 (Mastercard)
  - Authentication Value is present
- **Card numbers:**

Visa	Mastercard	JCB	American Express	Discover
4100000000005000	5100000000005007	3528000000005006	340000000005008	64400000 36000000

Authentication success - challenge (decoupled)

- **Description** - Transaction will step up to a challenge using decoupled authentication. In a separate tab, navigate to `https://acs-challenge.testlab.3dsecure.cloud/acs/decouplednotify/02/[acsTransID]` to complete the challenge. ACS Transaction ID can be obtained from the `/auth` response.
- **ARes result:**
  - Transaction Status = D
- **RReq result:**
  - Transaction Status = Y
  - ECI = 05 or 02 (Mastercard)
  - Authentication Value is present
- **Card numbers:**

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Visa	Mastercard	JCB	American Express	Discover
4100000000030008	5100000000000305	3528000000000304	340000000000306	6440000000000

Authentication attempt

- **Description** - Transaction will attempt to perform authentication, before returning an attempts response.
- **ARes result:**
  - Transaction Status = A
  - ECI = 06 or 01 (Mastercard)
  - Authentication Value is present
- **Card numbers:**

Visa	Mastercard	JCB	American Express	Discover
4100000000100009	5100000000100006	3528000000100005	340000000100007	6440000000 3600000

Authentication failed

- **Description** - Transaction will step up to a challenge using a password. Enter the password "111111" and submit to simulate the cardholder not being authenticated.
- **ARes result:**
  - Transaction Status = C
- **RReq result:**
  - Transaction Status = N
  - ECI is dependant on card scheme specific rules
  - Authentication Value is not present
- **Card numbers:**

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Visa	Mastercard	JCB	American Express	Discover
4100000000300005	5100000000300002	3528000000300001	340000000300003	64400000 36000000

Authentication unavailable

- **Description** - Transaction will end with authentication unavailable, due to a simulated technical error with the ACS.
- **ARes result:**
  - Transaction Status = U
  - ECI is dependant on card scheme specific rules
  - Authentication Value is not present
- **Card numbers:**

Visa	Mastercard	JCB	American Express	Discover
4100000000400003	5100000000400000	3528000000400009	340000000400001	64400000 36000000

Authentication rejected

- **Description** - Transaction will end with the authentication being rejected by the ACS.
- **ARes result:**
  - Transaction Status = R
  - ECI is dependant on card scheme specific rules
  - Authentication Value is not present
- **Card numbers:**

Visa	Mastercard	JCB	American Express	Discover
4100000000500000	5100000000500007	3528000000500006	340000000500008	64400000 36000000

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