

Strong Customer Authentication

The main principles

V1.6









version	date	Update			
1.5	24/03/2022	Add Activate x-Pay Token (inAppVerificationActivation) in the list of mobile-initiated sensitive operations			
1.6	27/06/2022	Get pin / card display method for iOS			
1.7	19/12/2022	Add the target endpoint related to the modification of a User			
1.8	06/02/2023	Fix the Notification message JSON structure SCA success screenshot horizontal flip			





Xpollens offers two kind of usage that require the use of a mobile phone by the customer:

- 1. KYC process during the user's onboarding (please refer to Know your customer | Xpollens API docs)
- 2. Strong authentication process (please refer to Strong customer authentication | Xpollens API docs)

Authentication is required for your end-customers if you are on the Retail B2C market; it is also required for all key individuals of your professional customers, if you are on the Corporates B2B market. Strong Customer Authentication will occur in two situations:

- Online card payment
- Sensitive Operations (amongst which, some require secure display)

> This document aims at presenting the key elements to use these features.

The first step consists of integrating our SDK in your mobile application.

SDK's documentation is available at : https://doc.antelop-solutions.com/latest/wallet/sdk/index.html

Note: To access this online documentation, you shall use the ID / pwd provided by Xpollens, during your Onboarding process.

Wallet initialization



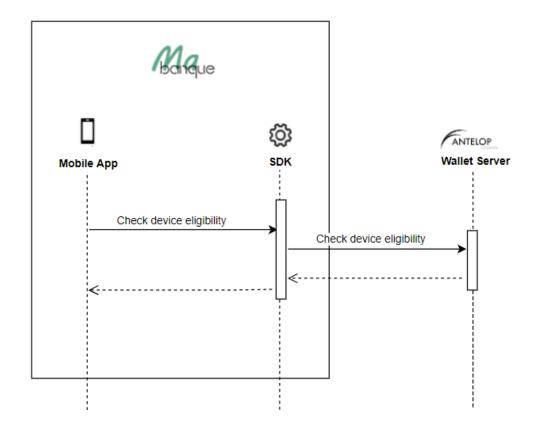






• Check mobile eligibility



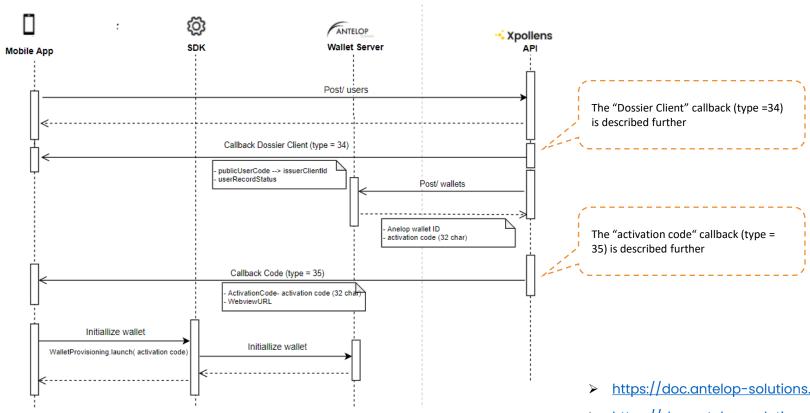


- https://doc.antelop-solutions.com/latest/wallet/general/getting-started.html
- https://doc.antelop-solutions.com/latest/wallet/sdk/wallet_management.html
- https://doc.antelop-solutions.com/latest/common/sdk-javadoc/index.html



• Wallet inititialization





- https://doc.antelop-solutions.com/latest/wallet/general/getting-started.html
- https://doc.antelop-solutions.com/latest/wallet/sdk/wallet_management.html





The Customer Authentication is based on Authentication Patterns, which define the possible combinations of authentication methods to authenticate for a given operation.

The authentication pattern used by Xpollens when creating the wallet is « **BIOORPIN** ».

For more details, please refer to: https://doc.antelop-solutions.com/latest/wallet/sca/sca-intro.html authentication patterns







This callbacks provides info about the user's onboarding status (called user record)

Field	Format	Required (Y/C/O)	Description
type	string	Y	Callback type = 34
appUserid	string	Υ	User Reference
publicUserCode	string	Υ	Corresponds to issuerClientID in our partner's (Antelop) system. It is used to create the wallet in its system.
user Record Status	String	Υ	Status of the user record: 1 = initialized 2 = inProgress 4 = validated 5 = refused

Example:

```
"type": "34"
"appUserid": "toto12344"
"publicUserCode": "1234der14ft2"
 "userRecordStatus" : "InProgress"
```



Caliback Code: type = 35



This callbacks provides the activation code required in the wallet enrolment process

Field	Format	Required (Y/C/O)	Description
type	string	Υ	Callback Type
AppUserId	string	Υ	User Reference
ActivationCode	string	С	Code use to activate wallet (32 char)
ErrorMessage	string	С	Error message if an error occurs
ExtraData	Json object	Υ	Contains the webview URL

```
Example:
  "type": "35",
 "AppUserId":"Au007",
 "ActivationCode": "5743c6747156074e5aebcbaec6f8b4a8",
  "ErrorMessage": null
```

Mobile initiated authentication

Refer to https://doc.antelop-solutions.com/latest/wallet/sca/sca-intro.html mobile initiated authentication





Sensitive operations – Mobile initiated Authentication

List of Xpollens « sensitive operations » APIs requiring the Mobile initiated Auhtentication workflow (« /sca/normal » in the URL)

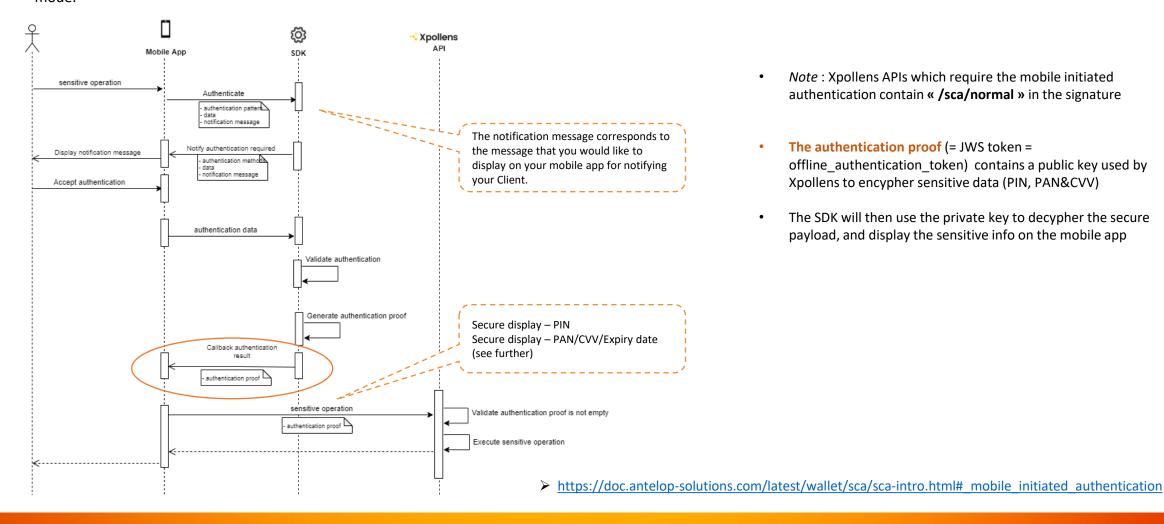
		Sensitive operations		Xpollens Endpoints	Documentation	
Card Secure Display	•	PIN Display Card Display (CVV,PAN, Expiry date)	•	GET /api/sca/normal/v2.0/{appUserId}/pin/{cardExternalRef}?channelCode={channelCode} POST /api/sca/normal/v2.0/{appUserId}/carddisplay/{cardExternalRef}	See webdoc : https://docs.xpollens.com/	
X-Pay enrolment	•	Activate x Pay Token (inAppVerification Activation)		POST / api sca /normal/ appUserId }}/ xpayInAppVerifActivation cardExternalRef	Please note that the corresponding EndPoints currently described in the	
					webdoc do not include "/sca/normal" into the signature, but should use the	
					signature with /sca/normal in order to be functional for our	
					Agent Clients.	





Mobile initiated authentication flow chart

In this workflow, the user's strong authentication is processed through the SDK prior to the Xpollens API call. The authentication proof shall be then provided as an input (header) of the corresponding Xpollens APIs (Secure PIN display, Secure PAN/CVV/Expiry date Display) wich work in a synchronous mode.



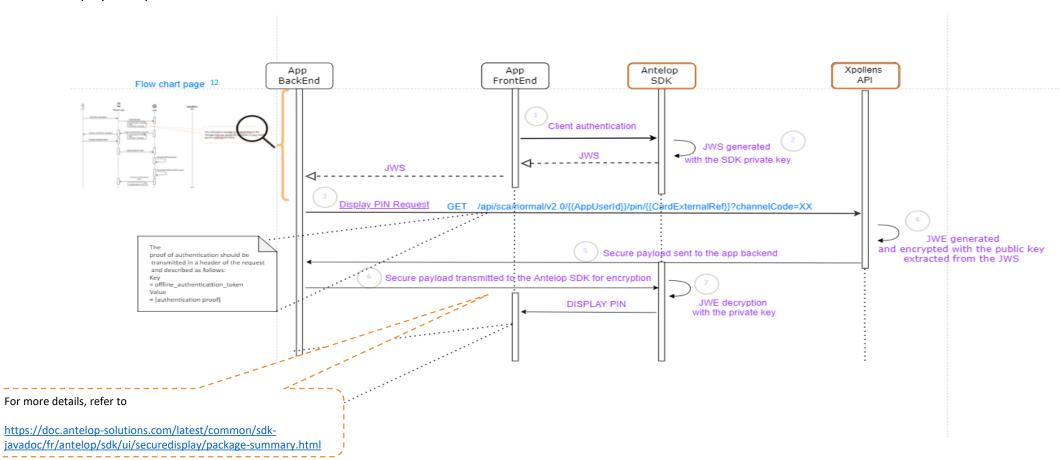
- Note: Xpollens APIs which require the mobile initiated authentication contain « /sca/normal » in the signature
- The authentication proof (= JWS token = offline authentication token) contains a public key used by Xpollens to encypher sensitive data (PIN, PAN&CVV)
- The SDK will then use the private key to decypher the secure payload, and display the sensitive info on the mobile app





Secure Display – Pin Display flow chart for Android

Display the Xpollens card PIN on the user's mobile device

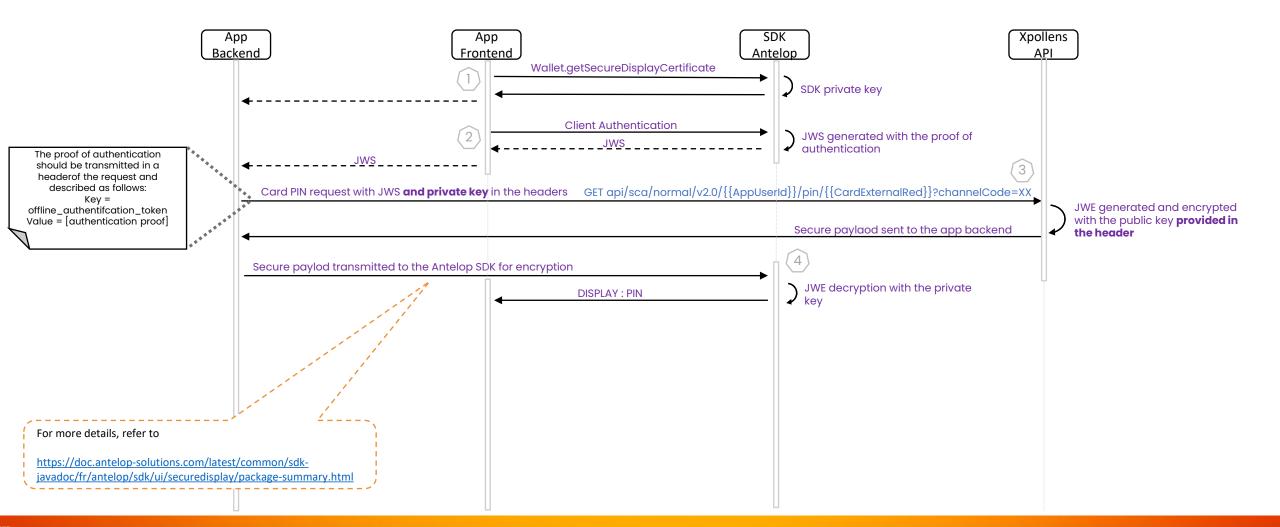








Display the Xpollens card PIN on the user's mobile device





Secure Display – Pin Display

** Xpollens

- > Pre-requisites:
 - Get the « offline_authentication_token » through the SDK
 - Card status should be 'sent' or 'Activated'
- > EndPoint: GET /api/sca/normal/v2.0/{{AppUserId}}/pin/{{CardExternalRef}}/?channelCode=XX
- > Inputs:

Field	Format	Required (Y/C/O)	Settings	Description
offline_authentication_token	string	Y	header	The proof of authentication (or JWS) should be transmitted in the header of the request and described as follows: Key = offline_authentication_token Value = [authentication proof]
secure_display_certificate	string	C – for iOS only	header	Certificate obtained by prior call to the Antelop SDK Wallet.getSecureDisplayCertificate Transmitted in addition to the offline_authentication_token
CardExternalRef	string	Υ	path	Card Reference attributed by the partner. Card status should be 'sent' or 'Activated'
AppUserId	string	Υ	path	User Reference attributed by the partner
channelCode	string	Υ	path	The channel used to display the PIN. List of possible values: 04 = by computer 66 = by phone 72 = by tablet

> Output:

Field	Format	Description
secure_payload	string	The secure payload containing the PIN, to be sent to the Antelop SDK for decryption & secure display





Secure Display – Pin Display for Android

Example:

URL: https://sb-api.xpollens.com/api/sca/normal/v2.0/Xpo-demo1/pin/Card-demo?channelCode=66

GET		۳	https://sb-ap	oi.xpollens.com/api/	sca/normal/	v2.0/Xpo-den	no1/pin/Card-demo?channelCode=66
Param	ns • Accept	Auth	orization •	Headers (14)	Body	Pre-request	Script Tests Settings application/json
~	Content-	-Туре					application/json
~	offline_authentication_token						eyJhbGciOiJSUzl1NilsInR5cCl6lkpXVClsIng1Yyl6WyJMUzB0TFMxQ1JVZE

Example of Secure payload (or JWE) generated:

"{\"secure_payload\":\"eyJhbOrTOiJSU0EtT0FFUC0yNTYiLCJlbmMiOiJBMjU2R0NNIn0.lx1ZYYz3ummyrlusRwJRMMf6-mLCsPSAVboqjary9UYaCT_MCd312Bos7kiLLa-RCFYMpD4IDZp53iYnelrMJ6DK8-lSt7dwHX6auXDdIFPccs0N8T9MQ-t-ONWZFhR2dmP26GSpZuaAgFqNMmov8nJeF_B1CbzmTYS9DKYOofSDUAtWfB4ImjH8btVhkvCMHVcYkQSVam_yqhzA4ISp_k6zg9ej_l05Sz5cyuClGZ069aBHUNOcoa-n88b63BZjYhLhkdZEZWsPkJ7UN075EzGR9jM8-rU3Y-zhtzjwK6pX7GFL-KNH_cFWXczQ-nAZ4ilaysgWsPF5w3Yi7tpTdSBwyB8jJTRZg8BvW-m9-suKhGABKVbkf_hnld0ZISAwMebTxrh2wqxs9ct52vADIUCgaCd2R5N5YKgPEeTiP3WB99R0_vFigm2yKoGFmVsg2-BzBhj3BT_algbFALVmqM4PM62bFOGKgXBa18xORP4zJWqVdajSBZY2ViMHAsNz.owRHkohCu665_Yyl.jMGJ5Ff9-jwTgIUo2SQUmq-2dO2mVBIYrUbq5Cyl48AgtDnvgXTIwOiMiEXWsHm4UrEs19T83VPxshWQc0Pb2vYU_v5WGCi9a-0NmJ_pmCgSySxF_LcA_mla_7Yasbk81yA2cKryxysMkZrKpSC0DrLzGCPsgzmJ2Sf27_VZ1HtDwMU5ic1tPdvytS_yBepurQx2TVb5W3eb4olMhf6rY5tlst27p6g3rQPZP564jedD9omdhgX47rUNboDtANR-CuU6BcYdDkaqrS9nHd5aFQJJERKplp7WWvGYObSIAf-vEzp3ao5EQwApJM-0hH8ph1Db9r5mtCXNU7jh0gAobQm5AYKDOOQQYaekT4-OsxRxCqmvxgvBNUMTWaa_iEePrSastokw3D_0Lz2PnSr4lhDPeZh0ktjtsvFe1QjyFtcGVQiHOE26J7L5rc9h2pNcITX96o8FQrHEn4apZ3YdyLrmrW520eqZDjjAHLUHrFzMt6mO0Mjf08gSSRiqSz_ZoOjx2gqQh2PmcCY9zgVFx43pnjfpNLem5omThS-vL4_80IORlsxZSAkknoK2WHDRsCFcn1KZxwK4L4_iKZ8NVoRXeiAN2i0artKK0uM9ZAOSZ9ZP95U2NK_715jYZp-bRNRcCogOc8JwBpTSJTwarEAli3_T1PzD0WM3coDQTRPo3PE9YLj0h6MWn5f6RQzfWuLZIHAyL20q0Jd_4ABSaFlfEURLhjn9EmD0-ev3Clh_vUljU5NZ6ZK0PMIEFUYJ_Lp2pjV1n4kZhJbn1Yst5rmUNNeyJWaSlbjWJtEEpSaLCli4zmjJJBQ85mnGLx5fEHkbJ0siAMm-85-xLGS9m7qEDsapqlDcvwRKJmWa5yJlexcI1GDgaEsyfhmGkH2NvRnT7QEXW-Uhn6iQTCNQOuq6sLr.-AM3KAeyPrbI7tN28lcDyQ\"}"



Secure Display – Pin Display for iOS



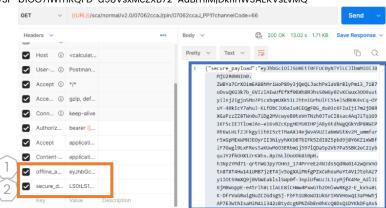
secure_display_certificate:

LSOtLSICRUJUTIEDRVJUŠUZJQOFURSOtLSOtCKIJSUZHRENDQXdDZ0F3SUJBZ0IPQWFIUZRXSXdYOUwvdZIKNDZYQXdEUVIKS29aSWh2Y05BUUVMQIFBd2danHgKQ3pBsk.jnTiZCQVIUQWtau0IRd3dDZIIEVIFRSURBTkpaRVI4RGpBTUJnTiZCQWNNQIZCaGNtbHpNUkF3RGd
ZRApWUVFLREFkQmJuumxiRzi3TVJBd0RnwWRWUVFRMREFkQmJuumxiRzi3TVJBd0RnwWRFkQMJUUmxiRzi3TVJBd0RnwWRFkQMJUUmxiRzi3TVJWddd3WUpLbipJaHZjTkFRa0JGZZv2CmmITkFZVzUwWld4dmNDnWijakVITUN3R0ExVVVVBd3dSuUvIMFpXeHzJQDJQWmlac2FXNWxIPUYXZGdbGJJUVMXIRUYXZGUDGDJUVMXZGUDGDJUVMXZGUDGJUVMXZGUDGJUVMXZGUDGJUVMXZGUDGJUVMXZGUDGJUVMXZGUDGJUVMXZGUDGJUVMXZGUDGJUVMXXGUDGJ

offline_authentication_token:

(3) {{URL}}}/sca/normal/v2.0/07062ccaJ/pin/07062ccaJ_PP1?channelCode=66

(4) secure_paylod transmitted to the Antelop SDK for encryption

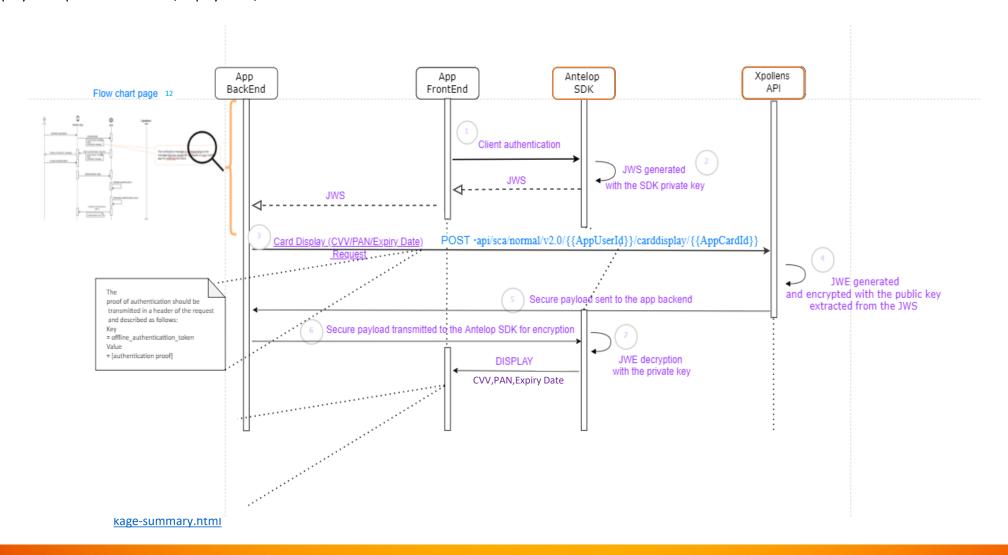




Card Display flow chart for Android



Display the Xpollens card PAN/Expiry Date/CVV on the user's mobile device

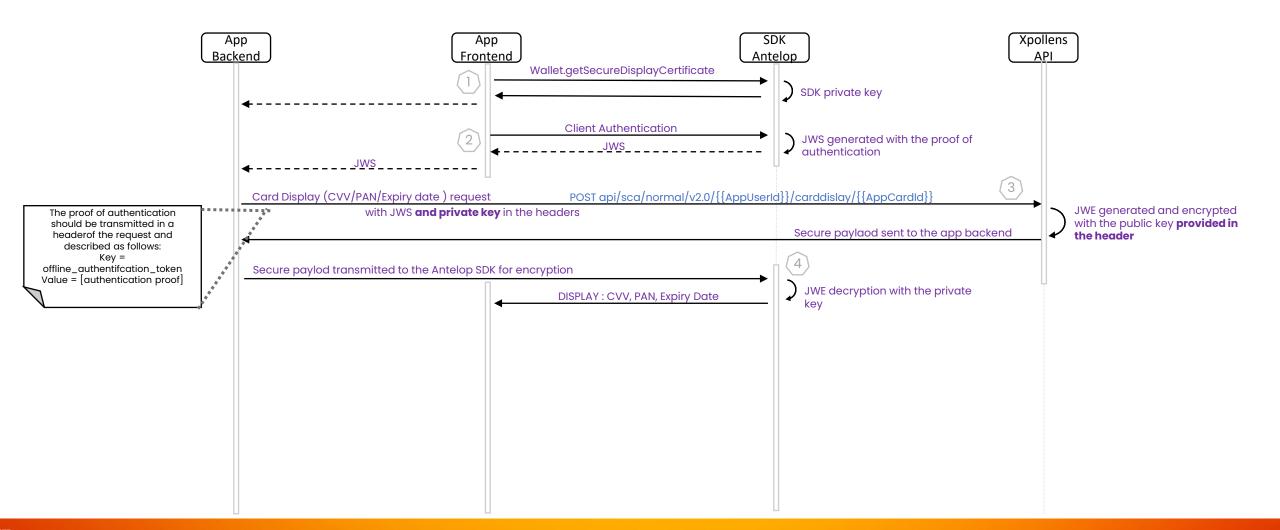




Card Display flow chart for iOS



Display the Xpollens card PAN/Expiry Date/CVV on the user's mobile device





** Xpollens PAYMENT INSIDE

Secure display – Card Display (CVV,PAN, Expiry date)

> Pre-requisites:

- Get the « offline_authentication_token » through the SDK
- Card status should be 'sent' or 'Activated'
- > EndPoint: POST api/sca/normal/v2.0/{{AppUserId}}}/carddisplay/{{CardExternalRef}}

Inputs:

Field	Format	Required (Y/C/O)	Settings	Description
offline_authentication_token	string	Y	Header	The proof of authentication (or JWS) should be transmitted in the header of the request and described as follows: Key = offline_authenticattion_token Value = [authentication proof]
secure_display_certificate	string	C – for iOS only	header	Certificate obtained by prior call to the Antelop SDK Wallet.getSecureDisplayCertificate Transmitted in addition to the offline_authentication_token
CardExternalRef (= AppCardId)	string	Υ	path	Card Reference attributed by the partner. The card status should be 'sent' or 'Activated'
AppUserId	string	Υ	path	User Reference attributed by the partner
channelCode	string	Υ	BODY	The channel used to display the PAN/CVV/Expiry Date. List of possible values: 04 = by computer 66 = by phone 72 = by tablet

➤ Output:

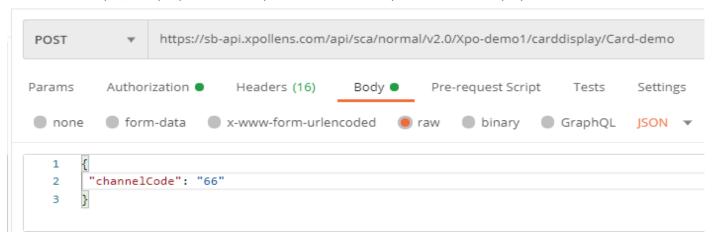
Field	Format	Description
secure_payload	string	The secure payload containing the PAN/CVV/Expiry Date, to be sent to the Antelop SDK for decryption & secure display



Secure Display – Card Display (CVV,PAN, Expiry date) MENT INSIDE for Android

Example:

<u>URL</u>: POST https://sb-api.xpollens.com/api/sca/normal/v2.0/Xpo-demo1/carddisplay/Card-demo



Example of Secure payload (or JWE) generated:

"{\"secure_payload\\":\"eyJhbGciOiJSU0EtT0FFUC0yNTYiLCJlbmMiOiJBMjU2R0NNIn0.lx1ZYYz3ummyrlusRwJRMMf6-mLCsPSAVboqjary9UYaCT_MCd312Bos7kiLLa-RCFYMpD4IDZp53iYnelrMi6DK8-ISt7dwHX6auXDdIFpcs0N8T9MQ-tONWZFhR2dmP26GSpZuaAgFqNMmov8nJeF_B1CbzmTYS9DKYOofSDUAtWfB4ImjH8btVhkvCMHVcYkQSVam_yqhzA4lSp_k6zq9ej_I05Sz5cyuClGZ069aBHUNOcoan88b63BZjYhLhkdZEZWsPkJ7UN075EzGR9jM8-rU3Y-zhtzjwK6pX7GFL-KNH_cFWXczQ-nAZ4ilaxqSWsPF5w3Yi7fpTdSBwyB8jJTRZg8BvW-m9suKhGABKVbkf_hnld0ZISAwMebTxrh2wqxs9ct52vADIUCgaCd2R5N5YKgPEeTiP3WB99R0_vFigm2yKoGFmVsq2BzBhj3BT_algbFALVmqM4PM62bFOGKgXBa18xORP4zJWqVdajSBZY2ViMHAsNz.owRHk6hCu665_Yyl.jMGJ5Ff9-jwTglUo2SQUmq2dO2mVBIYrUbq5Cyl48AgtDnvgXTlwOiMiEXWsHm4UrEs19T83VPxshWQc0Pb2vYU_v5WGCi9a0NmJ_pmCgSySxF_LcA_mla_7YasbK81yA2cKrywsMkZrKpSC0DrLzGCPsqzmJ2Sf27_VzLHtDwMU5ic1tPdvytS_yBepurQx2TVb5W3eb4olMh6rY5tlst27p6g3rQPZP564jedD9omdhgX47rU
NboDtANR-CuU6BcYdDkaqr59nHd5aFQJJERKplp7WWvGYObSIAf-vEzp3ao5EQwApJM-0hH8ph1Db9r5mtCXNU7jh0gAobQm5AYKDoOoQYaekT4OsxRxCqmvxgvBNUMTWaa_iEePrSastokw3D_0Lz2PnSr4lhDPeZhoktjtsvFe1QjyFtcGVQiHOe26J7L5rc9h2pNcITX96o8FQrHEn4apZ3YdyLrmrW520eqZDjjAHLUHrFzMt6mO0Mjf08gSSRi
qSz_Z0jix2qq0h2PmcCY9zqVFx43pnjfpDlem5omThS-v4_4 80IORIsxZSAkknokZWHDRsCFcn1KZxwK444_iKZ8NVoRXeiaN2i0artKK0uM9ZAOSZ9ZP95U2NK_715jYZpbRNvRcCogOc8JwBpTSJTwarEAli3_T1PzD0WM3coDQTRPo3PE9YLj0h6MWn5f6RQzfWuLZIHAyL20q0Jd_4ABSaFlfEURLhjN9EmD0eV3Clh_vUijU5NZ6ZK0PMIEFUYJ_Lp2piV1n4kZhJbn1Yst5rmUNNeyIWaSlbjWJtEEpSaLCli4zmjJJBQ85mnGLx5fEHkbJ0siAMm-85xLGS9m7qEDsapqlDcwwRKJmWa5yJlexcl1GDgaEsyfhmGkH2NvRn17QEXW-Uhn6iQTCNQOuq6sLr.-AM3KAeyPrbI7tN28lcDyQ\"}"

Secure Display – Card Display (CVV,PAN, Expiry date) MENT INSIDE for iOS

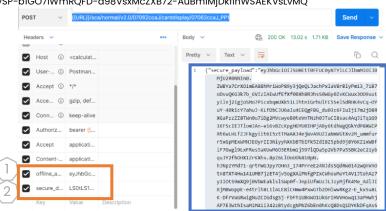
secure_display_certificate:

LSOtLSICRUdJTiBDRVJUŚUZJQ0FURSOtLSOtCkIJSUZHRENDQXdDZ0F3SUJBZ0IPQWFIUZRXSXdYOUwvd2IKNDZYQXdEUVIKS29aSWh2Y05BUUVMQIFBd2danHgKQ3pBSkJnTiZCQVIUQWtau0iRd3dDZIlEVIFRSURBTkpaRVI4RGpBTUJnTIZCQWNNQIZCaGNtbHpNuKF3RGd
ZRApWUVFLREFKQmJuUmxiRzi3TVJBd0RnwURWUVFMREFKQmJuUmxiRzi3TVJWd0d3WUpLblpJaHZjTKFRa0JGZzV2CmNITKFZVJUwWld4dmNDNWljakVITUN3R0ExVUVVBd3dsUVclMFpXeHZjQ0JQWm1ac2FXMWxIRUYXZjEdeUwCQVFVQBGSUJAHZWUVV4SL
QQWVGdzB5TWpBM0IERXhNelF3TkRKYUZ3MHlNekEzTURFeEI6UXdOREphTURBeApIREFhQmdOVkJBTUIFeki6TVRBek5EQTRNRGt5TIRBME16ZzROREIJRURBTUJNTIZCQXNNQjIlaGRHbDRhWEIjQOJQWmAr2IMQNAWJIJEQDVAYZWOWCQVFVQBGSUJQDF3ZZSVASANETXA0ZisydjIKWHRJNjJtK3FqaXBnajdSbigySgpyC3YzSVNCOEdrYzUzUHV3am82NkxmbDhZVUx5QnFrVXBJLDNyA2VmaHIIdolIKSEpsavRGK0FC6bU9pSzZiVxIZCkty
MGIrWUlubkRYckc0VXIEZmpib2VVMnIGTWtvdnJxNWtHTlBnRzi2cWIFTIZ5NndlN3BzbkhsYUNnaFFlaGQKbHZZZnlwdjVHeHJEZXAzc2RQamhiY2dib0dzbllUYzlUUUJ5VklqUUIFeVd4cEt3cEZvZ3VEVm5HbTkyU0s4bgpJRDNmQUc4Y0ExR0tQLIdrNudDRnJLSmxBMEgvNn
FiWHVrMzlib0c2eGhAM3JHUUImRzitUHJBN092bU9UVUX2CkZjb3hFMEhuSkdaua3B0QU9yUzgZN2IMN0tkdnlnUFEIOXxxM0lqMHJ6MZ5JeGtVRmcyRkpiawFyqjkr0cBIMIAKMFVDNWNuc2NvYzB0MzR5cUlGSUdBemPZmakhoS3JXVFIWdIhykIdabFVCL2RVaWJIRTBOVm
pjcIV4a04xVTZVQgpldTzzz2RRLy8welExOXJPWXIMa3pLaUIJelB5Nlhqb3ztYlixcTzhOTdzQ0f3RUFBYU5CTUQ4d0NRWURWUjBUCkJBSxdBREFPQmdOVkhRCJBZjhFQkFNQ0JhQXdJZIlEVIlwakFRSC9CQmd3RmBWVovUGkzSUM5NkFML3RHVHcKaU9uYk5C4FlmNXN3
RFFZSktvWklodmNQQVFFTEJRQURnZ0lCQUllemMTZJveGlHZHVINVFtMhlNWHBZVm83WApDaTg0ZmJonNIVVTVdHV2pTWGtGSWZoROZTekVWdU5o0NkJ4L2ZPdJnTFRra3lvaFdiWFNkZkizZVVRBUU9DNDc5CmMwOVdJNHBIUNJQdldRSUVzdDVvVENhX3ljSVJKMG9VQTF
DcnFmMVRUVTJkbVBrbTiFNldWbThkRGhvUzVIVDUKV0RovEtreTlEd0l3bkNVTVltYlNoRFVzalgzcGM2bGlMc2s1U3ZRL2ztsUNTZGtDSzhEU0RMTi9wNlpkbnhLNApuRDRvbko3WGxzbzzzTit3aCtGTGs0VGlNM2M4d0JLYlJJMjEvaC9CQ1FLWVo2RUNrNUwRRML09qNxblBcXXRRsUGgyM2o4
bUtm73JjS1ZKWjhETlnxdjNPM1Y4QkZLOEJavWJPQU9NZU9laDYYYUpFYZBnCllUVjgTTHZYNWxmZmRnL09qNzhiSmRcvVbhDA3exXRRcjBwK8hDekdubEpDTGidzcqThMED0VSVEIGSUNBVEULS0tLSIFTKQQOVSVEIGSUNBVEULS0tLSIFTKQQOVSVEIGSUNBVEULS0tLQ

offline_authentication_token:

(3) {{URL}}}/sca/normal/v2.0/07062ccaJ/carddisplay/07062ccaJ_PP1

(4) secure_paylod transmitted to the Antelop SDK for encryption



Server initiated authentication

Refer to https://doc.antelop-solutions.com/latest/wallet/sca/sca-intro.html# server initiated authentication

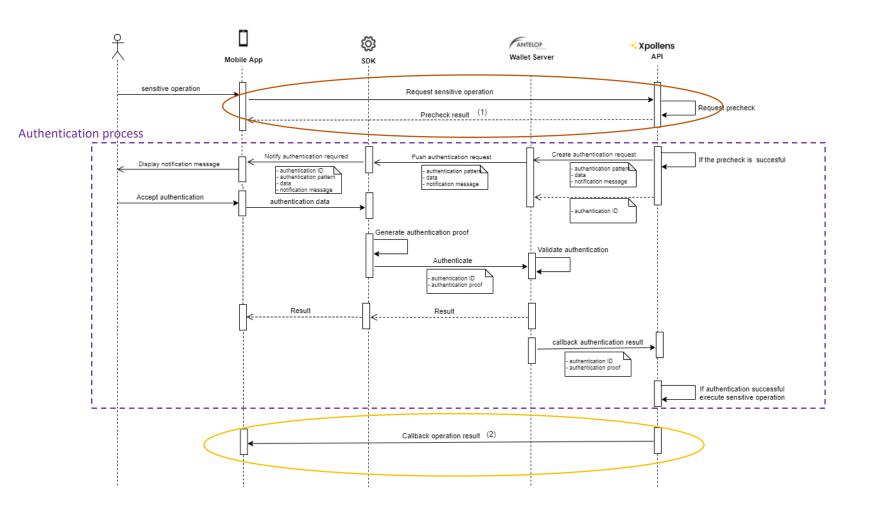




Server initiated authentication flow chart



In this workflow, the user's strong authentication is initiated via Antelop Wallet server, post Xpollens API call.



- The user's authentication occurs during the API process, and the sensitive operation result is provided in 2 steps:
- 1. Synchronous reponse : « Precheck result » to inform the client pre-checks are OK, Authentication process is about to occur followed by the Xpollens sensitive operation processing
- 2. Asynchronous Authentication Status + Sensitive operation return provided through the Callback type 36
- Xpollens APIs using the server initiated authentication are described in the next page.
- In this case, you do not manage the authentication proof: it is not provided as an input of the sensitive operation Xpollens API.
- « callback type = 36 » is described further





List of Xpollens « sensitive operations » APIs requiring the Server initiated Auhtentication workflow :

	Sensitive operations	Xpollens Endpoints	Documentation
User's onboarding	 Modify a User - Legacy endpoint Modify a User - Target endpoint Send User's accepted gcu 	 PUT /api/sca/v1.1/users/{userid}/ - DEPRECATED PUT /api/sca/v2.0/users/{appUserId}/ POST /api/sca/v2.0/users/{AppUserId}/cgu 	See webdoc : https://docs.xpollens.com/
Transfer	 Create a bankaccount Modify bankaccount Create sct Create sct recurrent Create sct planned 	 POST /api/sca/v1.1/users/Appuserid/bankaccounts PUT /api/sca/v1.1/users/Appuserid/bankaccounts POST /api/sca/v1.1/users/{appuserid}/sct POST /api/sca/v1.1/users/appuserid/sct POST /api/sca/v1.1/users/appuserid/sct 	Please note that the corresponding EndPoints currently described in the webdoc do not include "/sca/" into the signature, but should use the signature with /sca/ in order to be functional for our
Card management	Create cardRefabricate card	 Post /api/sca/v2.0/card/{{holderExternalRef}} Post /api/sca/v2.0/card/refabricate/{{holderExternalRef}} 	Agent Clients. Keep also in mind the fact that the sensitive operation return
Transaction management	Get transaction history	GET /api/sca/v1.1/users/{appUserId}/historyitems	will be provided through the callback type = 36 (instead of synchronous return).
Compliance	Provide FATCA/EAI info	PATCH /api/sca/v2.1/user/{appUserId}/fatcaEai	synonic node recurry.



Synchronous operation Response



Synchronous response corresponding to the « Pre-checks » related to the sensitive operation Xpollens API.

- If OK, Authentication process is about to occur followed by the Xpollens sensitive operation processing (flow chart → (1)).
- If KO, http response code is the one of the sensitive operation called with pre-checks KO & the Reason of the failure is provided into the "Reason" field

Field		Format	Description
Header	AuthenticationId	long	Id of the Authentication Operation
	AppUserId	string	User Reference
	RequestDate	DateTime	Effective end date for the operation
	Status	enum	Authentication Status List of possible values: Pending (if pre-checks OK) Failed (if pre-checks KO)
	Reason	string	http Code of the sensitive Operation if pre- checks KO (see the corresponding API documentation)
Payload		Binary	 null if pre-checks OK Payload response of the sensitive operation if pre-checks KO (see the corresponding API documentation)

Example:

```
{
"Header":
{
    "AuthenticationId": 1234,
    "AppUserId":"Au007",
    "RequestDate":"2021-02-19T16:18:41.4570774+00:00'
    "Status":"Pending",
    "Reason": null,
},
"Payload": null
}
```



Callback type = 36: return of the sensitive operation

Asynchronous Authentication Status + Sensitive operation return provided through the Callback type 36 (flow chart → (2))

	Field	Format	Required (Y/C)	Description
Header	AuthenticationId	long	Υ	Id of the Authentication Operation
	Туре	string	Υ	Callback Type
	AppUserId	string	Υ	User Reference
	AuthenticationResultDate	DateTime	Υ	Effective authentication result date
	RequestProcessedDate	DateTime	С	Effective end date for the operation
	RequestResponseCode	int	Υ	Http status code of the operation
	Status	enum	Υ	AuthenticationStatus List of possible values: Pending Failed
	Reason	string	С	TIMEOUT: customer did not authenticate in due time CANCELED: customer canceled the authentication request, FAILED: customer did not successfully authenticate
Payload		Binary	Υ	Result of the operation

Example of a Callback type=36 for a call to EndPoint « POST /api/sca/v2.0/users/{AppUserId}/cgu»



Authentication process: Notification message for sensitive operations

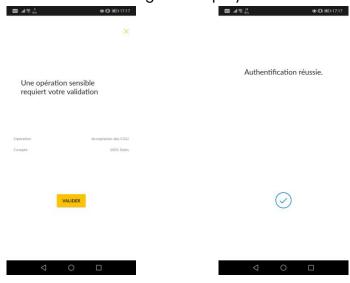
This corresponds to the notification sent by the SDK to the mobile App in order to ask for a strong authentication for a sensitive operation

The notification must be implemented in RAW_LIST format.

Note: The message displayed to the user depending the operation type cannot be modified and is in French (cf. next page)

list of sensitive operations, as well as the notification messages to display on the mobile are descrived in next page





Please refer to webdoc:

https://docs.xpollens.com/docs/kyc/identification



Authentication process: notification msg/ sensitive operations



Sensitive operation	Operation	Operation details
Ajout/Modif de bénéficiaire	Ajout d'un Bénéficiaire	Nom: %Nom_Bénéficiaire IBAN: %IBAN_Masqué_Bénéficiaire
Ajout/Modif de bénéficiaire	Modification d'un Bénéficiaire	Nom: %Nom_Bénéficiaire IBAN: %IBAN_Masqué_Bénéficiaire)
Accéder aux informations de compte	Consultations des opérations	Compte: %Nom_Partenaire
Virement	Virement immédiat	Montant: %Montant %Devise Bénéficiaire: %Nom_Bénéficiaire
Virement	Virement planifié	Montant: %Montant %Devise Bénéficiaire: %Nom_Bénéficiaire Date planifiée: %Date_Future
Virement	Virement récurrent	Montant: %Montant %Devise Bénéficiaire: %Nom_Bénéficiaire Récurrence: Tous les %Quantile du mois
Commande d'une carte	Commande d'une Carte	Type: Carte VISA %Type \n %Nom_Partenaire
Modif. d'une donnée perso	Modification Donnée Personnelle	Rue: %adresse
Acceptation des CGUc	Acceptation des CGU	Compte: %Nom_Partenaire
Déclaration Fatca / eai	Déclaratifs Fiscaux	Compte: %Nom_Partenaire
Affichage PIN	Affichage Code PIN	Carte: %Nom_Partenaire
Choix Wish PIN	Choix d'un nouveau Code PIN	Carte: %Nom_Partenaire
Affichage PAN & CVV2	Affichage de votre Carte	Carte: %Nom_Partenaire

Please refer to webdoc: https://docs.xpollens.com/docs/kyc/identification





Notification message for online payment

The notification must be implemented in PURCHASE format.

```
"notificationMessage": "Une opération sensible requiert votre validation",
"message": "Paiement en ligne à confirmer",
"format":"PURCHASE",
"amount":"74,12 €",
"merchant":"WWW.OUI.SNCF"
```