

# User Guide for iAM Smart Pilot Sandbox

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# **1. Account Registration**

At the present pilot stage, account registration is by invitation only. Invitations will be sent out to designated sectors through supporting organisations of the iAM Smart Pilot Sandbox Programme.

1.1 After an invitee confirm his/her interest to join the programme, he/she will receive the following account activation email.

The user can then click the "Activate Your Account" link in the email to activate his/her account. Before the user activates his/her account, he/she should read carefully the terms and conditions by clicking the "Terms and Conditions" link. If the user does not agree to be bound by the terms and conditions, he/she should not activate his/her account.





1.2 User can then assign and confirm password to complete the account registration.

iAM	iAM Smart Pilot Sandbox								
Home	Things to Know	Use Cases	APIs	Helpdesk	FAQ	About	Sign in		
Passwo Pass Confin	word m password firm password			_		password m password			



# 2. Login

iAM Smart Pilot Sandbox URL: <a href="https://iamsmart.cyberport.hk/">https://iamsmart.cyberport.hk/</a>

2.1. User login can be made with registered email address and password. For details of account registration, please refer to section 1 "<u>Account Registration</u>".

Sign in	
Sign in with your username and password If you are an Administrator you must sign in here.	
Email Email	1. Input registered email address
Password	2. Input account password
Remember me on this computer  Forgot your password?  Sign in	3. Click on "Sign in" button



- 2.2. Reset password can be requested if user forgets the account password. An email with reset password hyperlink will be delivered to the user's registered email address upon request.
  - Click "Forgot your password"

Sign in	
Sign in with your username and password	
lf you are an Administrator you must sign in	here.
Email	
Email	<b>FF</b>
Lilidii	-0
Password Password	
Password	5

• Input registered email address and submit password reset request

Request password reset

2. Input registered emaill address
3. Input the characters shown above



2.3. After receiving the reset password email, user can click the hyperlink inside to reset the password.

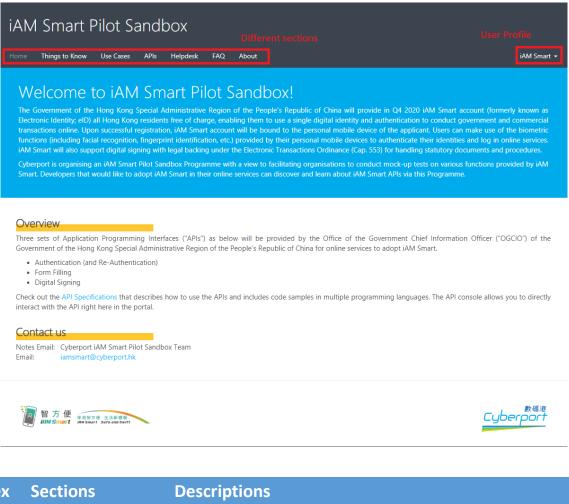
H	ome	Things to Know	/ Use Cases	APIs	Helpdesk	FAQ	About		Sign in
F	?ese	et your p	bassword	d	After	clickin	ig the hyper	link on the reset password email will redirect to this page	
	Passwo	ord							
		Norm					٩	6. Input the new password	
	Confirm	n password	31						
		1					۹	7. Input the new password again	
	Rese	8. Cli	ck on "Rese	t" butt	on				

2.4. If user forgets the registered email address, please contact our customer service at *iamsmart@cyberport.hk*.



# 3. Home Page

The iAM Smart Pilot Sandbox consists of information about the iAM Smart Platform, iAM Smart APIs and iAM Smart Pilot Sandbox Programme under seven sections as below.



Index	Sections	Descriptions
<u>3.1</u>	Home	Landing page of iAM Smart Pilot Sandbox
<u>3.2</u>	Things to Know	Something you should know about the iAM Smart Platform and iAM Smart APIs before trying out the APIs
<u>3.3</u>	Use Cases	Use cases for using functions of iAM Smart
<u>3.4</u>	APIs	iAM Smart API Specification and mockup trial
<u>3.5</u>	Helpdesk	Online helpdesk for iAM Smart Pilot Sandbox
<u>3.6</u>	FAQ	Frequently Asked Questions on iAM Smart APIs
<u>3.7</u>	About	Information of iAM Smart Pilot Sandbox Programme

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# 3.1 Home

This page consists of background information of iAM Smart and iAM Smart Pilot Sandbox Programme.

iAM Smart Pilot Sandbox	
Home Things to Know Use Cases APIs Helpdesk FAQ About	iAM Smart 👻
Welcome to the Cyberport iAM Smart Pilot Sandbox! The Government of the Hong Kong Special Administrative Region of the People's Republic of China will provide in Q4 2020 iAM Smart account (formerly Electronic Identity, eID) all Hong Kong residents free of charge, enabling them to use a single digital identity and authentication to conduct government and or transactions online. Upon successful registration, iAM Smart account will be bound to the personal mobile device of the applicant. Users can make use of the functions fincluding facial recognition, fingerprinti dentification, etc.) provided by their personal mobile devices to authenticate their identities and log in onli iAM Smart will also support digital signing with legal backing under the Electronic Transactions Ordinance (Cap. 553) for handling statutory documents and pro- Cyberport is organising an iAM Smart Pilot Sandbox Programme with a view to facilitating organisations to conduct mock-up tests on various functions provide Smart. Developers that would like to adopt iAM Smart in their online services can discover and learn about iAM Smart APIs via this Programme.	commercial e biometric ne services. ocedures.
Overview Three sets of Application Programming Interfaces ("APIs") as below will be provided by the Office of the Government Chief Information Officer ("OGC Government of the Hong Kong Special Administrative Region of the People's Republic of China for online services to adopt iAM Smart.  Authentication (and Re-Authentication) Form Filling Digital Signing Check out the API Specifications that describes how to use the APIs and includes code samples in multiple programming languages. The API console allows yo interact with the API right here in the portal.	
Notes Email: Cyberport iAM Smart Pilot Sandbox Team Email: iamsmart@cyberport.hk	
「個 路方便 ##¥7# 生活時間 Cybe	數碼港 Prport



## 3.2 Things to Know

This page consists of essential technical information of iAM Smart Platform and iAM Smart APIs. It also includes the predefined parameters for iAM Smart APIs mockup trial such as *Access Token* and *Authorisation Scope*. Developers are recommended to read this page before going into the details of the iAM Smart APIs and their mockup trial.

#### iAM Smart Pilot Sandbox

Home Things to Know Use Cases APIs Helpdesk FAQ About

iAM Smart +

#### iAM Smart Account

There will be two types of iAM Smart accounts coming with different functions, being able to be registered via different channels, i.e. online registration (without signature functions) or in-person registration (with signature functions). An iAM Smart e-Cert will be given to an iAM Smart account when its digital signing function is enabled.

An iAM Smart account can only be bound to one device at one time. The identification of an iAM Smart account to online service is represented in the form of a unique online service-specific identifier called "Tokenised ID". Different online services will have different values of Tokenised ID for the same iAM Smart user. It helps to preserve the privacy of the iAM Smart user since different online services cannot correlate the same iAM Smart user to track his/her digital footprint by comparing the Tokenised ID they possessed.

#### iAM Smart Profile

Each iAM Smart account has two profiles. The first profile is the iAM Smart Profile which contains major card face data ("CFD") on the Hong Kong Identity Card ("HKIC"), namely the HKIC number, English name, Chinese name, date of birth, and sex. For iAM Smart account without digital signing function, CFD data of the iAM Smart user will be captured using Optical Character Recognition ("OCR") of his/her HKIC photo taking by the iAM Smart Mobile App. For iAM Smart account with digital signing function enabled, CFD data of the iAM Smart user will be read from the HKIC chip using card reader on a registration kiosk or registration tablet. The CFD will then be checked against information of the same user stored in Immigration Department ("ImmD"). After checking with positive results, these data, except Chinese name, will be marked as "verified". With iAM Smart user's authorisation, these verified data in the iAM Smart Profile can be provided to online services for user account registration purpose.

The verified data in the iAM Smart Profile will be regularly checked with records in the ImmD. When changes are found during regular check, the iAM Smart user will be asked to re-register his/her iAM Smart account in order to update the data in the iAM Smart Profile. The last modification date ("lastModifiedDate" provided in the POST response of API "Request accessToken & Tokenised ID") of his/her iAM Smart Profile will also be updated to the current date upon completion of re-registration in this situation. Similarly, the last modification date of the iAM Smart Profile will also be updated when the iAM Smart user registers the iAM Smart account again after deregistration.

#### e-ME Profile

The other profile of an iAM Smart account is e-ME profile in which iAM Smart user can input his/her personal information for online form pre-filling. The e-ME profile is initially empty and disabled. iAM Smart user can enable the profile optionally by copying data from the iAM Smart Profile and entering other personal information such as mobile number, residential address, marital status, etc. on a voluntary basis. When online service requests information from the e-ME profile for form pre-filling, the user can give authorisation on an itemised basis through the iAM Smart Mobile App.

#### Authorisation Scope and Access Token

iAM Smart System makes reference to the OAuth 2.0 authentication framework to enable online service to gain access to iAM Smart APIs, with iAM Smart user's authorisation using iAM Smart Mobile App.

Determine Authorisation Scope



## 3.3 Use Cases

This page consists of the high-level workflow for online services to integrate with iAM Smart Platform to use the iAM Smart functions. Workflow of the use cases in accordance with the three types of iAM Smart APIs: Authentication, Form Pre-filling and Digital Signing, are illustrated under the hyperlinks at the bottom of the page.

## iAM Smart Pilot Sandbox

Home Things to Know Use Cases APIs Helpdesk FAQ About

iAM Smart +

#### Use Cases

The following steps illustrate the high-level workflow for online service to connect to iAM. Smart System and provide different services for iAM Smart user.

- 1. A user initiates request for using iAM Smart at online service application.
- 2. Online service redirects the user to a webpage hosted by iAM Smart System. QR code image will be shown on the webpage.
- 3. User completes the authentication by using iAM Smart Mobile App and then iAM Smart System redirects user back to online service application along with an authorisation code.
- 4. Online service uses the authorisation code to exchange access token and tokenised ID of the user from iAM Smart System.
- 5. After obtaining access token and tokenised ID of the user, online service can perform the following functions:
  - a. Authentication Use the tokenised ID to perform user matching at online service local database. In case of tokenised ID cannot be found at online service local database (e.g. User first time logon to online service by iAM Smart), online service can request iAM Smart Profile information (e.g. HKIC number) for HKIC number) for link up with the same person's account in the online service or to create new online service account according to their business need. The tokenised ID shall be stored in online service user database to facilitate future login. The requested iAM Smart user profile information will be passed to online service user of their business of Hong Kong Identity Card (HKIC) number, English Name, Chinese Name , date of birth and gender of the iAM Smart user. These information will be verified with records stored at Immigration Department (ImmD) during registration. Regular check with ImmD will also be conducted.
  - b. Form pre-filling Submit the access token, tokenised ID and e-ME request to iAM Smart System. After user providing consent at iAM Smart Mobile App, the iAM Smart System will pass e-ME data to online service. User can opt to copy profile information to e-ME or leave it blank. While other e-ME data fields are input and updated by user on a voluntary basis.
  - c. Digital Signing Submit the access token, tokenised ID and hash value of document to be signed (e.g. online form) to iAM Smart System. After user completing the signing process at iAM Smart Mobile App, iAM Smart System will pass the signed hash and user public key to online services.
  - d. Re-authentication Submit the access token, tokenised ID and re-authentication request to iAM Smart System. After user performing authentication by using mobile device biometrics at iAM Smart Mobile App, iAM Smart System will pass the result (pass / fail) to online service.

## • Click use case at the bottom of the page to view the workflow

Basically, there will be four scenarios as below for iAM Smart API use cases :

- 1. Online service Website and iAM Smart App in Different Mobile Devices
- 2. Online service Website and iAM Smart App in Same Mobile Device
- 3. Online service App and iAM Smart App in Different Mobile Devices
- 4. Online service App and iAM Smart App in Same Mobile Device

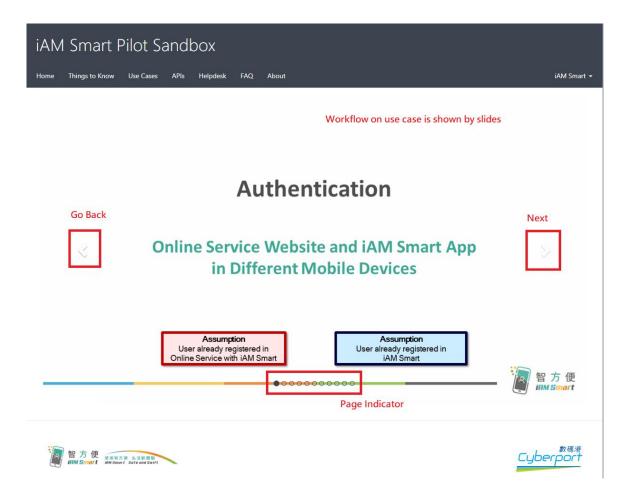
Click on the use case to view the related workflow

Use cases according to the three types of iAM Smart APIs are illustrated as below:

- 1. Authentication (and Re-Authentication)
- 2. Form Pre-filling
- 3. Digital Signing



• View the slide one-by-one using the direction arrows





# 3.4 APIs

This page consists of iAM Smart API specification and mockup trial. The three type of iAM Smart APIs: *Authentication, Form Pre-filling* and *Digital Signing*, are grouped under four API categories.

API Category 1.1 Authentication 1.2 Re-authentication 3. Form Pre-filling 4. Signing							
iAM Smart Pilot Sandbox							
Home Things to Know Use Case	es APIs Helpdesk FAQ About						
APIs	Click on the API category to view its related APIs						
1.1 Authentication	its related AFIS						
1.2 Re-authentication							
3. Form Pre-filling							
4. Signing							



## 3.4.1 API Specification

A list of APIs under the selected API category is shown in the left panel. Developer can click each API to view its specification, such as request headers, request body, responses, etc. Calling code skeleton samples are also provided at the bottom of the page. Developers may reference the codes in the programming language to be adopted for implementation.

me Things to Know Use	Cases APIs Helpdesk FA	Q About	iAM Smart
rch q 🛛 🗮 💈	1.1 Authenticat	ion	🛃 API definition
T Callback to Receive iAM	API change history Request profile		API title and description
Callback with authCode -Service Server	e-Service can use this API making re		ile by sending accessToken and openID to iAM Smart System.
st Request accessToken & enised ID	Click on "Try it" Request	and go to	mock API page Request endpoint for mocking
ST Request profile	Request URL https://test-eidapi-cyberport.azure-	api.net/auther	tication/api/v1/account/auth/profile/initiateReques
ST Request Symmetric tent Encryption Key	Request headers <b>Request</b>	headers:	type and description
ST Revoke Symmetric tent Encryption Key	clientID	string	e-Service client identifier. The clientID will be assigned to e-Service at the initial registration
APIs of the API	signatureMethod	string	signature algorithm: HmacSHA256
category is shown n the list	timestamp	integer	The timestamp is the request submit time expressed in the number of milliseconds since January 1, 1970 00:00:00 GMT. It is used to prevent replay attack. The value MUST be a positive integer and equal or greater than the timestamp used in previous requests.
	nonce	string	A nonce is a random string, uniquely generated for each request by e-Service. It is used to prevent replay attack. A nonce can be an ASCII string of any length less than or equal to 36 (UUID string length) as long as the uniqueness requirement is met.
	signature	string	It is a signature of the submitted data. e- Service uses clientSecret to sign the request body string and timestamp to get the signature. The pseudo code to generate the signature is shown at below.
	Content-Type (optional)	string	Media type of the body sent to the API.
	Ocp-Apim-Subscription-Key	string	Subscription key which provides access to this API. Found in your Profile.



• Request body description and its sample in JSON format

Request body	Request body: typ	e and description		
businessID	String	businessID is a unique identifier for e string with length less than or equal	e- Service to differentiate different request. It can be ASCII to 36 chars.	
accessToken	String	accessToken value		
openID	String	Tokenised ID value		
source	String	Request initiator. The supported source values can be found in "Supported value at So parameter" in the Things to Know section.		
redirectURI	String	callback URI.		
state	String	e-Service during callback. It is used t	e request message, the same state value will be returned to o prevent the CSRF attack. The value of state is defined by andom value. It can be an ASCII string of any length less gth).	
profileFields	Array	Specify the profile fields to be reque profileFieldsDescription idNo ID number enName English name chName Chinese name birthDate Date of birth gender gender	sted. The available profileFields are as follows:	
application/json			1	
Sample Schema { "businessID": "b "accessToken": " "openID": "&af3c "source": "Andro	bbB8aae57c104cda40c93843ac d75f071180e842c288280973 091e7b14d9c837afbb80fe80 id_chrome", 'https:// <rp_domain>/<rp_ 2766",</rp_ </rp_domain>	51a628fd",	Request body sample in JSON format	

• Application error codes in API response body

Responses					
200 OK					
Request successful					
Business Exception:					
D00000 - SUCCESS	Application error codes				
D20000 - unknown exception returned by iAM Smart					
D20001 - parameter {%s} is mis	ssing				
D20002 - empty parameter {%	D20002 - empty parameter {%s}				
D20003 - invalid parameter {%s}					
D20004 - duplicated request					
D20005 - unsupported signature method					
D20006 - signature verification failed					
D20007 - unsupported source					



• Sample API response in JSON format

# application/json { "txID": "<T=938ffb193b4b4370b6c2584372c6a588>", "code": "D00000", "message": "SUCCESS", "content": { "authByQR": true } } Response Sample in JSON format

• HTTP network error code

302 Moved Temporarily The requested resource resides temporarily under a different URI.	
400 Bad Request The request could not be understood by the server due to malformed syntax.	
401 Unauthorized The request has not been applied because it lacks valid authentication credentials for th	Network Error code with
403 Forbidden The server understood the request but is refusing to fulfil it.	
404 Not Found The server has not found anything matching the Request-URI.	
429 Too many requests The user has sent too many requests in a given amount of time.	
500 Internal Server Error The server encountered an unexpected condition which prevented it from fulfilling the r	equest.
503 Service Unavailable The server is currently unable to handle the request due to a temporary overloading or i	maintenance of the server.



• Calling code skeleton sample in different programming languages

Code s	amples								
Curl	C#	Java	JavaScript	ОђС	PHP	Python	Ruby		
@ECHO	OFF								
			://test-eidap: 29ff46228af1e4			api.net/aut	thentication/api/v1/account/auth/profile/initiateRequest"		
	•	lethod: H 1557048	macSHA256" 906183"						
			04eb9b7b8eddd 7MEd8Mm%2Bonw		krntADskX	sYntavU%3D"			
-Н "Со	-H "signature: 5X42Y1B7MEd8Mm%2BonwjiQz9VCZkkrntADskXsYntavU%3D" -H "Content-Type: application/json"								
-н "Ос	p-Apim-S	subscript	ion-Key: {sub:	scription	key}"		Language Code sample in multiple languages		

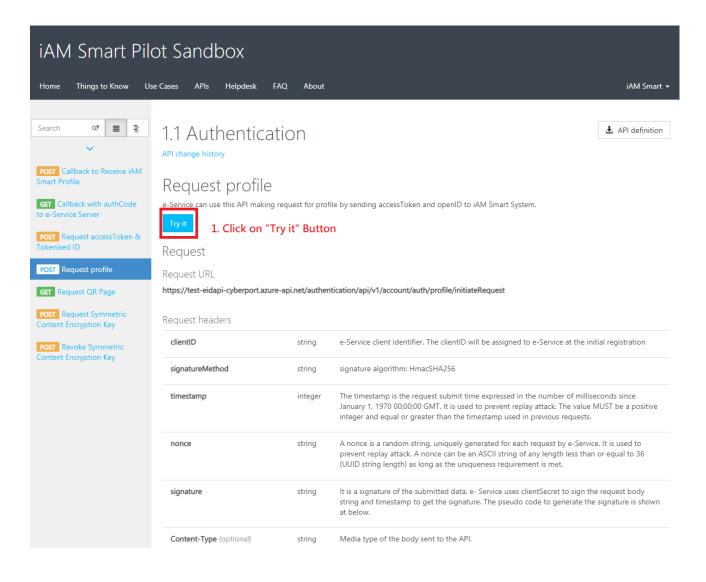


## 3.4.2 API mockup

Developer can try out the API mockup by clicking the "Try it" button in the page.

Sample request header and body in JSON format are provided. Developer can modify the parameter values in the HTTP request body with the predefined values given in "Parameters for mock" under section "<u>Things to Know</u>" as inputs for mockup trial.

Developer can also view the complete HTTP request at the bottom of the page. Please note that the subscription key here is a token required for developer to execute API mockup which will not exist in real iAM Smart API.





#### • Pre-filled request headers

iAM Smart Pilo	ot Sandbox			
Home Things to Know Use	e Cases APIs Helpdesk FAQ	About		iAM Smart 👻
Search or E Callback to Receive AM Smart Profile GET Callback with authCode to e-Service Server	1.1 Authenticatio Request profile e-Service can use this API making reque Query parameters + Add parameter	st for profile by sending accessTok	ten and openID to iAM Smart System. Ters (no query parameters in this API)	7
<b>POST</b> Request accessToken & Tokenised ID	Headers			
POST Request profile	clientID	edae2e2529ff46228af1e	Request headers are shown here and p filled, you may change the header	re-
POST Request Symmetric	signatureMethod	HmacSHA256		
Content Encryption Key POST Revoke Symmetric	timestamp	1557048906183		
Content Encryption Key	nonce	e893647dc4204eb9b7bt		
	signature	5X42Y1B7MEd8Mm%2B		
	Content-Type	application/json	Remove header	
	Ocp-Apim-Subscription-Key  Add header	••••••	This field is just for mockup and will not exist in iAM Smart environment	

• Pre-filled request body with predefined parameters that is editable for mockup trial





• URL endpoint for API mockup and full HTTP request



• Click "Send" button to execute the API mockup and get mockup response

Send 2. After checking the	detail, click on "Send" to get mockup response
kesponse status	
200 OK	
Response latency	
638 ms	3. Response with detail and response is returned
Response content	
<pre>Date: Wed, 25 Mar 2020 06:56:24 GMT Content-Length: 121 Content-Type: application/json { "txID": "T=938ffb193b4b4370b6c2584372c6 "code": "D00000", "message": "SUCCESS", "content": { "authByQR": true } }</pre>	a588",



# 3.4.3 Download API for mockup

Developer can also try the API mockup with preferred development tools by downloading the OpenAPI file of the iAM Smart APIs.

iAM Smart Pilo	ot Sandbox					
Home Things to Know Use	e Cases APIs Helpdesk F	AQ About		iAM Smart <del>-</del>		
Frome       Triings to know       Us         Search       QT       Image: Comparison of the second	1.1 Authentical API change history Request profile e-Service can use this API making Try it Request Request URL https://test-eidapi-cyberport.azure Request headers	API definition Open API 3 (YAML) Open API 3 (JSON) Open API 2 (JSON) WADL Select the version of OpenAPI and download it				
Content Encryption Key           POST         Revoke Symmetric	clientID	string	e-Service client identifier. The clientID will be assigned to e	-Service at the initial registration		
Content Encryption Key	signatureMethod	string	signature algorithm: HmacSHA256			
	timestamp integer The timestamp is the request submit time expressed in the number of millisecon January 1, 1970 00:00:00 GMT. It is used to prevent replay attack. The value MUS integer and equal or greater than the timestamp used in previous requests.					
	nonce	A nonce is a random string, uniquely generated for each re prevent replay attack. A nonce can be an ASCII string of an (UUID string length) as long as the uniqueness requirement	length less than or equal to 36			
	signature	string	It is a signature of the submitted data. e- Service uses clien string and timestamp to get the signature. The pseudo cod at below.			
		. •	12 (F			



# 3.5 Helpdesk

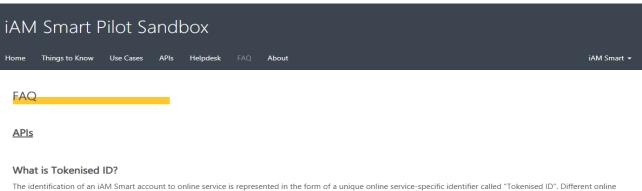
Developer can raise enquiries about the iAM Smart Pilot Sandbox. For details, please refer to the *User Guide for iAM Smart Pilot Sandbox Helpdesk*.

で 数方便 BM Gmit		Requests 🔁
	AM Smart Helpdesk / IAM Smart Pilot Sandbox H Raise an enquiry	
	Raise this request on behalf of	
	iAM Smart API Support Team	
	Summary	
	Component(s) (optional)	
	Description	
	Attachment(s) (optional)	
	Drag and drop files, paste screenshots, or	
	browse	
	Create Cancel	
	Powered by 👉 Jira Service Desk	



# 3.6 FAQ

The page shows some frequently asked questions about iAM Smart APIs and will be updated regularly. Developer may search the page for answers before raising enquiries to the iAM Smart Pilot Sandbox Helpdesk.



The identification of an iAM Smart account to online service is represented in the form of a unique online service-specific identifier called "Tokenised ID". Different online services will have different values of Tokenised ID for the same iAM Smart user. It helps to preserve the privacy of the iAM Smart user since different online services cannot correlate the same iAM Smart user to track his/her digital footprint by comparing the Tokenised ID they possessed.

#### What is Authorisation code?

iAM Smart System will return an authorisation code to online service after iAM Smart user authorising the request making by online service (e.g. authentication), online service can use authorisation code to exchange access token. Authorisation code can only be consumed for one time. Once it has been consumed or it cannot be consumed within 60 seconds after generation, then the authorisation code will no longer be valid.

#### What is the function of "signature" in API request parameter?

To ensure API request sending to iAM Smart System is authenticated and originated from online service. Individual API key (aka clientSecret) will be generated for each online service. online service is required to calculate keyed-hash message authentication code (HMAC-SHA256) for the API request body and include this signature in the API request when sending to iAM Smart System.

#### How to calculate the "signature" of API request?

Signature can be computed by using API key (aka clientSecret) to sign the concatenated string of clientID, signatureMethod, timestamp, nonce, and request body. Pseudo code for signature generation can be found at Section 6.2.1 of the API Specification.

#### Which timestamp should be used for computing the signature?

The timestamn is the request submit time expressed in the number of milliseconds since January 1, 1970 00:00:00 GMT. The value MLIST he a positive integer and equal or



iAM Smart 🚽

# 3.7 About

#### This page gives the general information about the iAM Smart Pilot Sandbox Programme.

#### iAM Smart Pilot Sandbox

#### Home Things to Know Use Cases APIs Helpdesk FAQ About

#### About the iAM Smart Pilot Sandbox Programme

To get better prepared for the adoption of iAM Smart by the commercial organisations in the future, Cyberport has initiated the iAM Smart Pilot Sandbox Programme (the "Programme") to facilitate interested organisations to conduct mock-up tests on various functions of the iAM Smart through its APIs provided by the Office of the Government Chief Information Officer ("OGCIO") of the Government of the Hong Special Administrative Region of the People's Republic of China. The OGCIO will provide technical assistance on APIs. Participants may also offer their comments and suggestions on iAM Smart through the Programme.

#### About the iAM Smart APIs

iAM Smart System will provide RESTful Application Programming Interfaces ("APIs") for registered online services to adopt iAM Smart.

OAuth 2.0 will be adopted for authentication and authorisation amongst iAM Smart users, online services and the iAM Smart platform. Online services adopting iAM Smart will be required to provide RESTful callback APIs to receive API responses from the iAM Smart platform.

Besides, as API data encryption will be used to protect the data transmission between online services and the iAM Smart System, online services will be required to request and renew the encryption key with iAM Smart platform using dedicated APIs accordingly.

#### About the iAM Smart Pilot Sandbox

Organisations that have completed registration with Cyberport will be provided with iAM Smart Pilot Sandbox accounts to conduct mock-up tests on various functions of the iAM Smart through this API console portal.

This portal will mock the APIs with unencrypted requests and responses while communication with encrypted requests and responses should be adopted in actual implementation.

Callback APIs are implemented and hosted by online service following the respective API request parameters defined. Different online services may have different design of their callback APIs. The following mock callback APIs are provided with sample value of request parameters for reference:

- Callback with authCode to online service Server
- Callback to Receive eID Profile
- Callback to Receive e-ME Information
- Callback to Receive Signing Result
   Callback to Receive Re-authentication Result
- Callback to Receive PDF Signing Result

Please check out the API Specifications that describes how to use the APIs for details.

For a quick start on using the portal, you may refer to the <quick start guide>.

#### Enquiry



# 4. User Profile

User can view his/her user profile by clicking his/her username shown on the top right corner of the navigation bar.

AM Smart Pilot Sandbox		semame
ome Things to Know Use Cases APIs Helpdesk FAQ About		iAM Smart 👻
Welcome to iAM Smart Pilot Sandbox!	2. Click on "Profile"	Profile Sign Out
The Government of the Hong Kong Special Administrative Region of the People's Republic of China will provide in Q4 202 Electronic Identity; eID) all Hong Kong residents free of charge, enabling them to use a single digital identity and authenticatic transactions online. Upon successful registration, iAM Smart account will be bound to the personal mobile device of the appl functions (including facial recognition, fingerprint identification, etc.) provided by their personal mobile devices to authenticat iAM Smart will also support digital signing with legal backing under the Electronic Transactions Ordinance (Cap. 553) for handli	on to conduct government and c icant. Users can make use of the e their identities and log in onlir	ommercial e biometric ne services.
Cyberport is organising an iAM Smart Pilot Sandbox Programme with a view to facilitating organisations to conduct mock-up i Smart. Developers that would like to adopt iAM Smart in their online services can discover and learn about iAM Smart APIs via		led by iAM
Overview		
Three sets of Application Programming Interfaces ("APIs") as below will be provided by the Office of the Government C	Chief Information Officer ("OGC	IO") of the
Government of the Hong Kong Special Administrative Region of the People's Republic of China for online services to adopt iAM	I Smart.	
<ul> <li>Authentication (and Re-Authentication)</li> <li>Form Filling</li> <li>Digital Signing</li> </ul>		
Check out the API Specifications that describes how to use the APIs and includes code samples in multiple programming langu interact with the API right here in the portal.	ages. The API console allows you	I to directly
Contact us		
Notes Email: Cyberport iAM Smart Pilot Sandbox Team Email: iamsmart@cyberport.hk		
智方便 <sub>使用状态使生活的</sub> 的。 IDM Sintert all Smith	Cybe	數碼港 rport
<ul> <li>Information shown in user profile</li> </ul>		

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Home Things to Know	Use Cases	APIs	Helpdesk	FAQ	About				iAM Smar
Profile							Change passwore	d 💄 Cha	inge account informatior
Email First name Last name		iAM Sma		gov.hk					
Your subscrip	otions								Analytics report:
Subscription details							Product	State	Action
Subscription name Primary key		-	bscription	00000		Rename Show   Regenerate	Testing	Active	× Cancel

# 4.1. Change Password

User can change his/her password in the user profile with the below steps.

• Click "Change password"

Home Things to Know	V Use Cases	APIs	Helpdesk	FAQ	About				iAM Smart
						1. Click on "Change	password"	_	
Profile							Change passwo	ord L Cha	ange account information
Email			@ogcio.g	gov.hk				_	
First name		iAM							
Last name		Sma	rt						
Your subscr	ptions								Analytics reports
Subscription details							Product	State	Action
Subscription name	Product	Testing su	bscription			Rename	Testing	Active	🗙 Cancel
Primary key	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXX	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	XXXXXX		Show   Regenerate			
Secondary key	2000000	~~~~~~	xxxxxxxxxxx	~~~~		Show Regenerate			

• Input current and new passwords



Home	Things to Know	Use Cases	APIs	Helpdesk	FAQ	About	
Cha	nge passv	word					
Passw						٢	2. Input your current password
New p	oassword		_			P	3. Input your new password
Confir	m password					9	4. Input your new password again
	the characters you se Audio	e					
	BOK	0					
Ente	er the captcha here						5. Input the characters shown above
Save	e profile Cancel						

6. Click on "Save profile" button



## 4.2. Notes

Information on user profile and subscriptions are created based on registration information provided for account creation. Although user can amend the account information and subscription status in his/her user profile, it is recommended to contact our customer service at *iamsmart@cyberport.hk* for changes. Meanwhile, it should be noted that Action "Cancel" cannot be made or else the subscription or the access right to view designated iAM Smart APIs will be lost.

iAM Smart Pilot Sandbox											
Home Things to Know U	se Cases APIs Helpdesk FAQ About				iAM S	mart 👻					
Profile Email First name Last name	@ogcio.gov.hk iAM Smart		Change password	L Chan	ge account inform	ation					
Your subscription	ons				II Analytics re	ports					
Subscription details			Product	State	Action						
Subscription name Primary key Secondary key	Product Testing subscription xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Rename Show   Regenerate Show   Regenerate	Testing	Active	× Cancel						
			Ple	ease do no	ot click on "Ca	incel"					





~ End ~