Orion Cash Platform (OCP)

OCP Onboarding Guide

(Version 1.1)

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Version(s)

Version	*Publication Date*	*Description of Changes*
V1.0	***29 May 2026***	**First version published as part of market readiness update.**
V1.1	***14 August 2026*** **[Current]**	**Update on Developer Corner and application forms link:** • **OCP User Guide Reference Table** • **Section 1.4, 2.2** • **FAQ 4.2, 4.3, 4.4** **FAQ information update** • **FAQ 4.5 – Added Push-based API Updates on SI Status Change** • **FAQ 4.10 – Newly added** **Minor formatting change to sub-section numbering under section 2.9**

⚠ This version is released to market participants in preparation of OCP's New Clearing Services, which will offer the Real Time Trade information and Reference Data retrieval via API. Please note that the guide will be subject to further amendments and changes to cover the continuous expansion of OCP's services.

❖ *OCP User Guide Reference*

Document Name	Descriptions	Location
OCP API Technical Specification	• **Details on JWT connectivity setup** • **Full API message specifications for all endpoints**	**Developer Corner**
OCP API Simulator Package	• **Includes the standalone offline API Simulator, Simulator User Guide, and sample request/response files**	**Developer Corner**
OCP API Service – API Certification Testing Guide	• **Details on API Certification Test preparation and arrangements** • **Developer Corner user guide**	**OCP webpage**
OCP Onboarding Guide ***[Current document]***	• **Information on onboarding arrangements** • **Details on User Management via OCP Login Management Portal**	**OCP webpage**

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Terms and definitions

Terms	Definitions
API	Application Programming Interface
ATI	Account Transfer Instruction
CCASS/C3T	the Central Clearing and Settlement System operated by HKSCC for the clearing of securities listed or traded on SEHK
CP	HKSCC Participant
DA	Delegated Administrator
Dev Corner	Developer Corner
DI	Delivery Instruction
EA	External Delegated Administrator
EUT	External User Test
GCP	General Clearing Participant
HKSCC	Hong Kong Securities Clearing Company Limited
ISI	Investor Settlement Instruction
JWT	JSON Web Token
NCP/ NCCCP	Non-Clearing Participant / Non-China Connect Clearing Participant
OCP	Orion Cash Platform
OCPLM	Orion Cash Platform Login Management Portal
OTP	One Time Password
Ref Data	Reference Data
RTT	Real Time Trade
SDNet	Securities and Derivatives Network
SI	Settlement Instruction
STI	Stock Segregated Account Transfer Instruction

1. Introduction

1.1. What is Orion Cash Platform (OCP)?

The Orion Cash Platform (OCP) is a multi-year enhancement programme, commencing in mid-2025, designed to modernise Post Trade and Central Securities Depository services with future-ready capability for Hong Kong's cash equity market. In alignment with HKEX's long-term strategy to build a robust, flexible and competitive market infrastructure, OCP marks a significant step forward in enhancing connectivity, enabling straight-through processing, and enhancing automation across post-trade operations. These advancements collectively reinforce the resilience and efficiency of Hong Kong's markets and further elevate the city's position as a leading international financial centre.

1.2. Who is eligible to become OCP user?

The first phase of OCP introduces a new OCP Connection Gateway, which provides a suite of RESTful JSON API endpoints that enable market participants to establish direct system-to-system connectivity with CCASS and OCP. This enables seamless integration of participants' internal operational systems with the OCP Connection Gateway. The API services are available to existing HKSCC Participants (CPs) on a subscription basis and are offered as optional services.

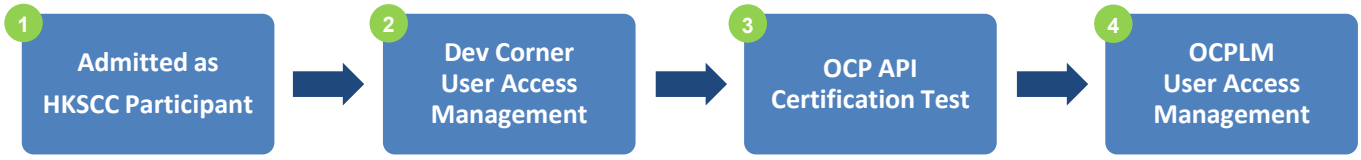
The eligibility criteria as follow:

OCP user type*	Eligibility requirements
HKSCC Participant	Admitted by HKSCC as a Participant of CCASS (other than an Investor Participant). [link]

*For users who would like to interact with OCP via API, successful API Certification Test will also be required before using the API service in production.

1.3. Onboarding process

To be onboarded to the OCP API service during the initial phase, your firm is required to complete the following four steps:



1 With reference to **section 1.2**, OCP user must be an existing HKSCC participant. [link]

2 **Developer Corner – User Access Management:**
The Developer Corner serves as a centralized resources hub for accessing the OCP API specifications and offline simulators, facilitating market participants' API development. Please refer to the OCP API Service – API Certification Testing Guide for details

3 **OCP API Certification Test:**
CPs are required to complete the **OCP API Certification Test** before being admitted to use OCP API services, please refer to the OCP API Service – API Certification Testing Guide for details

4 **Orion Cash Platform Login Management (OCPLM) – User Access Management**
The OCPLM will support the production API account setup and access management, please refer to **section 2** for details.

⚠ Details regarding access to OCPLM will be announced in due course.

1.4. How do I log on to the OCP?

In the initial phase, the OCP is accessible through the OCP Connection Gateway for selected API functions only. The API authentication will be supported by the new HKEX Identity Platform, namely **Orion Cash Platform Login Management (OCPLM),** and operates via the production SDNet circuit.

HKSCC Participants (CPs) may utilise their existing C3T production SDNet circuit and IP address settings to access OCP, in line with current CCASS practice. CPs are advised to assess their existing bandwidth and liaise with the Accredited Vendors to upgrade bandwidth or subscribe to a dedicated circuit if necessary, depending on their business need and expected transaction volumes.

Where a dedicated SDNet circuit is adopted, its usage and access control shall be managed by the CPs themselves. Notwithstanding this, such dedicated SDNet circuit is technically capable of supporting C3T connectivity by default.

If a CP wishes to restrict the IP address(es) for specific user(s) or API account(s) to access OCPLM or the OCP, please refer to **Section 2.7.1** of this document.

To subscribe to the OCP API services, CPs are required to submit the **OCP Delegated Administrator Application Form (OCPDA 1)** via Client Connect in order to appoint authorized users to manage the user access via OCPLM on behalf of your company.

⚠ Details regarding access to the OCPLM will be announced in due course.

2. Orion Cash Platform Login Management

2.1. Overview

OCP allows the delegation of administrative privileges to designated administrators, enabling them to manage user accounts and access rights within their company. This section describes the user management and access right management functions of OCP, which are managed through the new **HKEX Orion Cash Platform Login Management (OCPLM)** portal via the SDNet production circuit.

2.2. Delegated Administrators

Delegated Administrator ("DA") means an authorized user appointed by a company to manage the authorized user access profile on behalf of that company.

Access Credentials means any username, identification number, password, security key, security token, PIN or other security code, method, technology or device used to verify authorization to access and use a HKEX Platform.

DAs are responsible for the maintenance of the administrator, business user and API account on behalf of their companies via the **Orion Cash Platform Login Management**.

It is mandatory for companies to appoint at least **two DAs** to act respectively as a maker (who will be responsible for creating and maintaining user's account) and a checker (who is responsible for approving any user's account created or changed by a maker) to ensure appropriate segregation of duties in managing CP user accounts.

⚠ Please note that an individual who acts as both maker and checker cannot approve actions initiated by himself / herself.

How to appoint, amend or remove a DA

There are two ways for a company to appoint a DA:

1) For first time HKSCC Participants applicants to use **OCPLM**, please submit the **OCP Delegated Administrator Application Form (OCPDA 1)** via Client Connect to appoint their initial OCPLM DAs. This online form also covers the subsequent DA maintenance requests for both OCPLM and OCP.
2) Apart from submitting the online form as stated above. For existing OCPLM DAs may create additional DA directly on OCPLM, subject to the maximum number of web user accounts permitted for each company. For clarity, the maximum number of web user accounts refers to the Administrator (EA) and Business Web User (EU) entitled to be created and maintain under the company; The

entitled number of API account is governed by the maximum number of API users specified on the Company profile. Please refer to **Section 2.6** for details.

Rights and permissions of DAs

In general, DAs are entitled to perform the following External Administrator (EA) functions:

- User management: create / edit / delete **Admin and Business user accounts** within their own Company.
- Assign **External Admin User (EA) or External User (EU)** function roles to users, which are specific to each HKEX Platform and enable access to relevant administrative or business functions in the respective HKEX Platform.
- API account management: create / edit / delete **API account**.
- Other administrative functions according to the User Types that the DA is eligible to manage.

Please refer to **Section 2.3** for a complete list of all available EA and EU user roles in the OCPLM

Please refer to **Section 2.4** for a complete list of all functions that DAs can perform and their ID mapping by User Types.

Reminders to DAs

Delegated Administrators, when creating or managing the profiles of any authorized users, acknowledge and agree that any person using the Access Credentials or otherwise accessing the users' profile (i) is acting on behalf of the Company, (ii) has the authority to act on its behalf, and that (iii) acts by such person are legally binding on and attributable to the Company.

Delegated Administrators are responsible for ensuring that each authorised individual is assigned one (1) unique user account only. Multiple user accounts must not be created or assigned to the same individual. DAs shall implement appropriate controls and regular reviews to prevent shared, duplicate or redundant user accounts and to ensure that user access accurately reflects individual roles and responsibilities.

The Company shall be fully liable and responsible for any access and the use of the Company by its authorized users (including without limitation any submission made by its authorized users on HKEX applications). Breach of any provisions hereof by an authorized user shall be regarded as a breach by the Company.

*The default number of web users (including DAs) for each company is **six (6)**. If additional users are required, subject to a maximum of twenty (20) users per company, please submit the **OCP User Account Application Form (OCPDA 2)** via Client Connect.*

⚠ Details regarding access to the OCPLM will be announced in due course.

2.3. Functional Role List

OCPLM DAs may create administrator, business user and API account on behalf of their companies. Each user may also be assigned maker, checker and/or enquiry roles during creation, except for API account.

User Function Role determines a user's access to application user interfaces, and permission type determines the user's rights to perform specific functions within a user interface (see table below).

Functions for DA:

	Functional Role/ Permission Type					
	EXT_ADMIN			EXT_USER_ADMIN		
Identity / Application	**Maker**	**Checker**	**Enquiry**	**Maker**	**Checker**	**Enquiry**
1. External Administrator						
1.1. Orion Cash Platform Login Management (OCPLM)						
For user profile maintenance (e.g. create / delete / unlock users)				✓	✓	✓
For role assignment for OCPLM application	✓	✓	✘			
2. HKSCC Participant						
2.1. Orion Cash Platform (OCP)						
For role assignment for OCP Connection Gateway	✓	✓	✘			

Functions for OCP API Services:

Function ID	Descriptions
API_REF_DATA	For access to the Enquiry Reference Data API
API_RTT_DATA_G	For access to the Enquiry Real Time Trade Information API

2.4. List of Function ID Mapping by User Type

This section outlines the Administrator Functions that will be assigned to DAs based on the identity type(s) they are entitled to manage, as well as the EU functions that DAs can assign to their users.

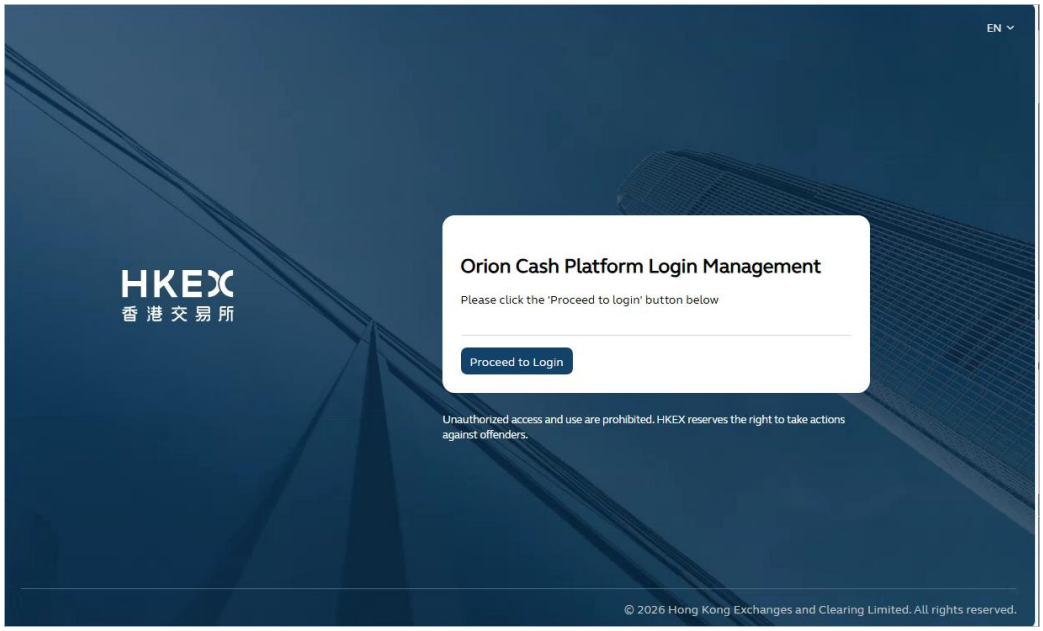
Participantship/Identity	Managing Application	DA Function ID	Managing Function ID	User Type
External Administrator	Orion Cash Platform Login Management (OCPLM)	EXT_ADMIN	EXT_ADMIN	Admin
			EXT_USER_ADMIN	Admin
HKSCC Participant	Orion Cash Platform (OCP)	EXT_ADMIN	EXT_ADMIN	Admin
			API_REF_DATA	API
			API_RTT_DATA_G	API

2.5. Getting Started

2.5.1. Login

External Administrator can log in to the Orion Cash Platform Login Management via [link]

⚠ Access link of OCPLM will be announced in due course.

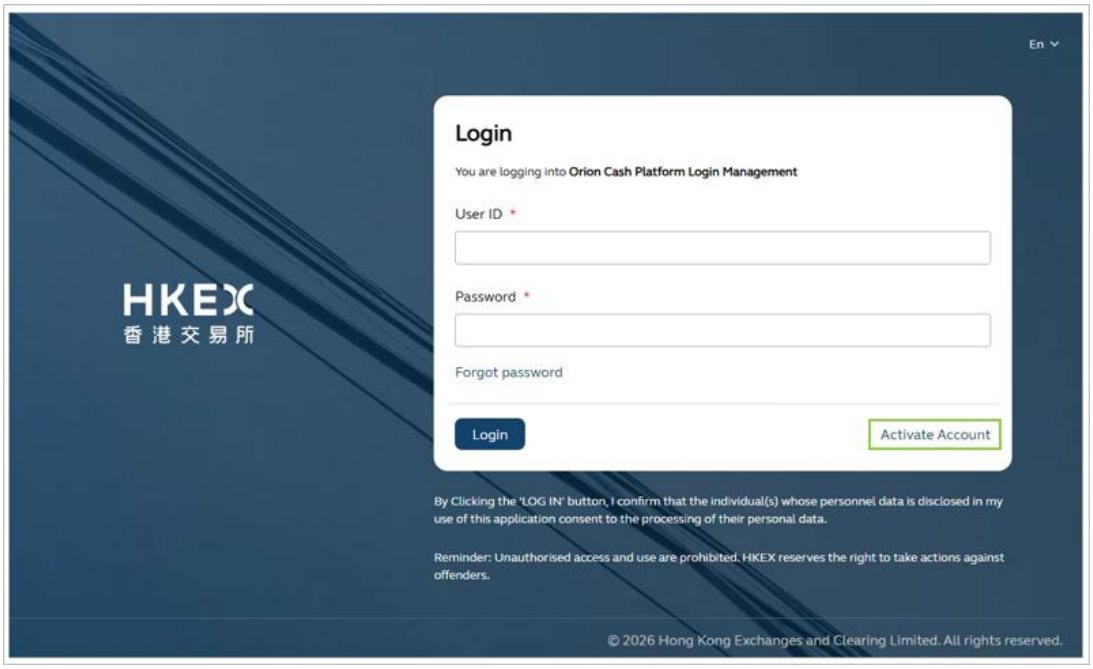


⚠ Please use Chrome or Edge browser for better experience.

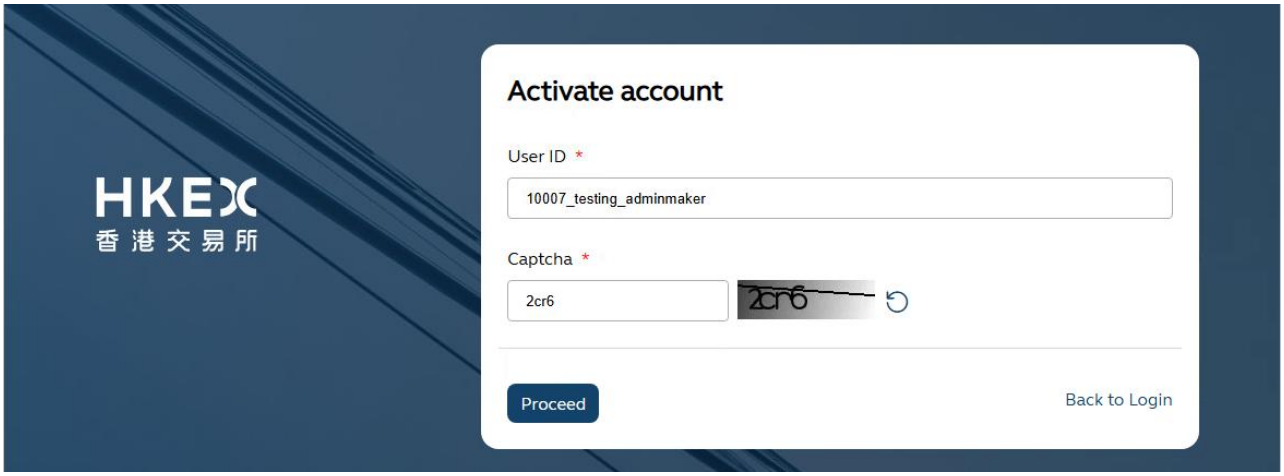
2.5.2. Account Activation

Account activation is required for new user account or after an OTP is revoked. During activation process, users are required to set up a new password and register a new OTP token.

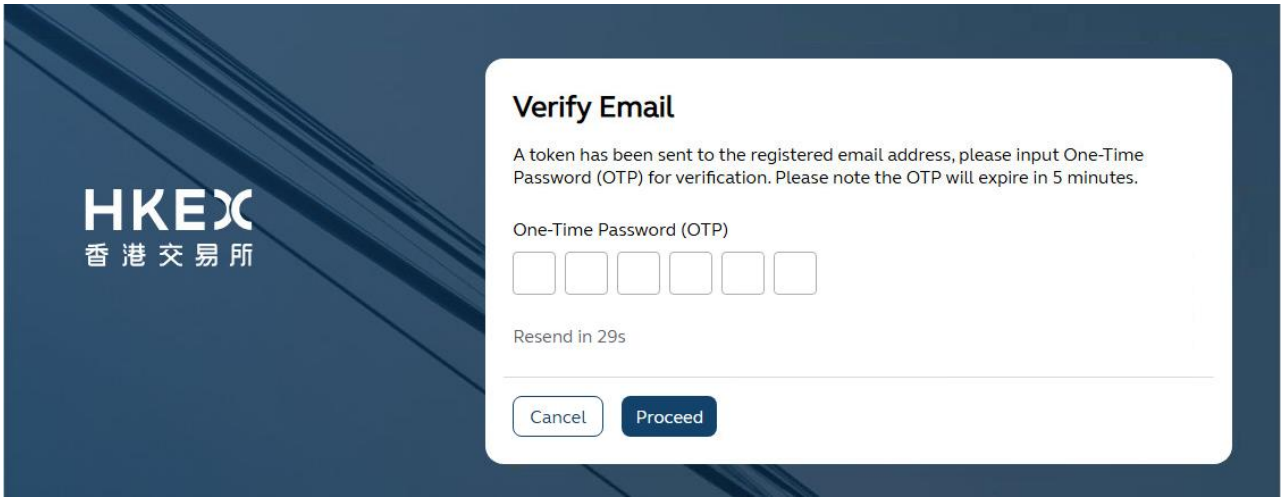
a) On the Login page, click **Activate Account** to go to the Account Activation Page.



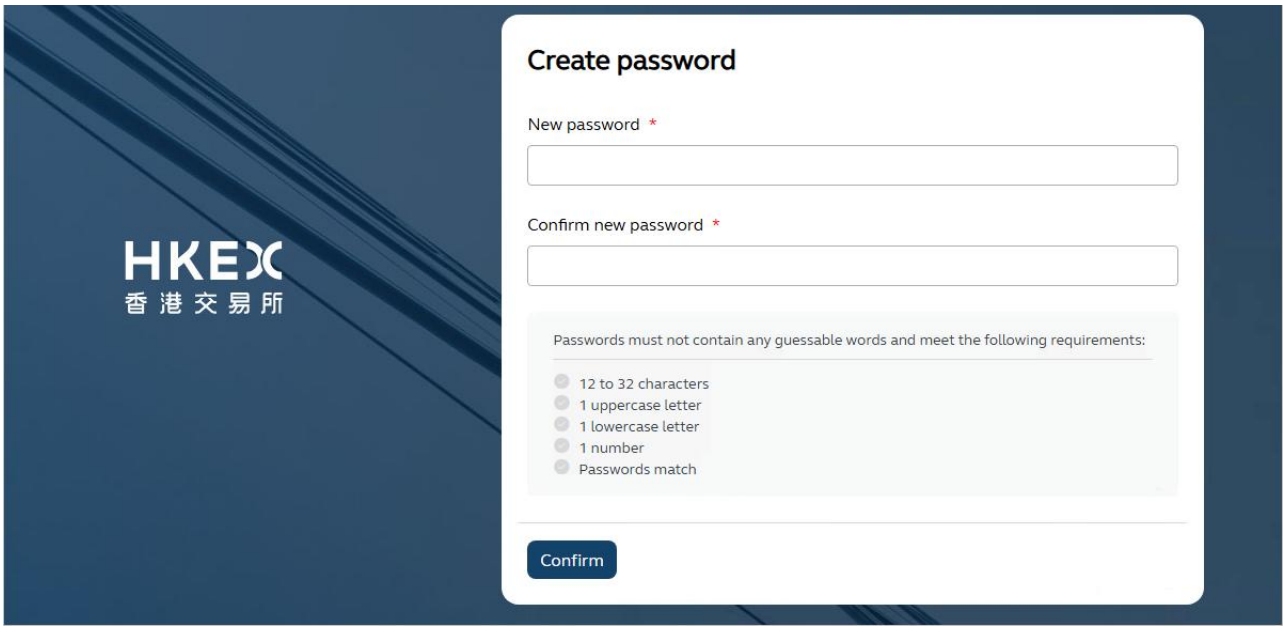
b) Enter your User ID and Captcha. If the Captcha is unclear, please reload it. Click **Proceed** to continue to the OTP Verification page.



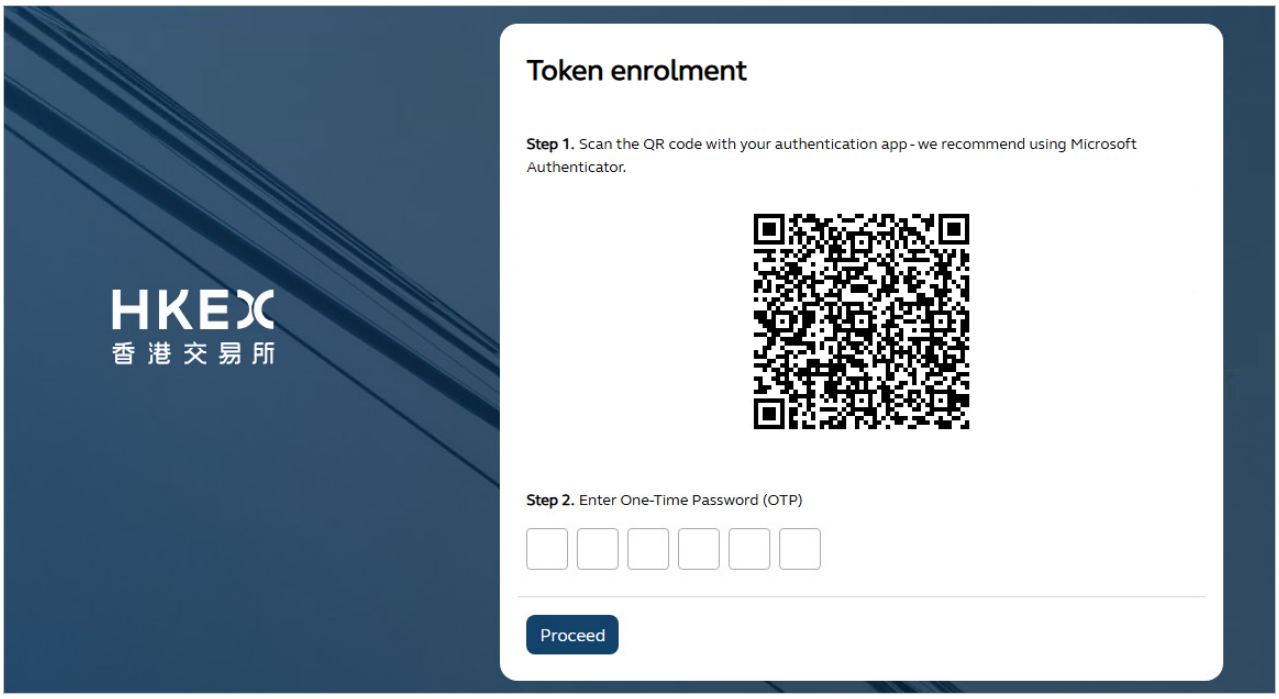
c) The One Time Password (OTP) will be sent to your registered email address. Enter the code from the email within 5 minutes to complete verification.



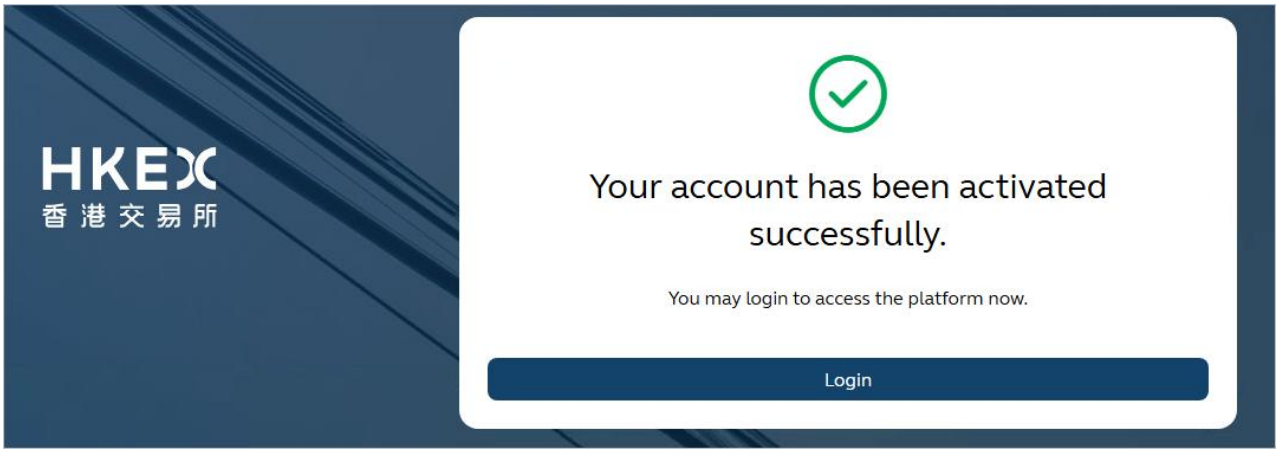
d) Create new password that meets all required criteria, then click **Confirm** to complete.



e) For users who select **Authenticator App** as their OTP delivery method will be required to complete the OTP token registration. Otherwise, proceed to step (f).

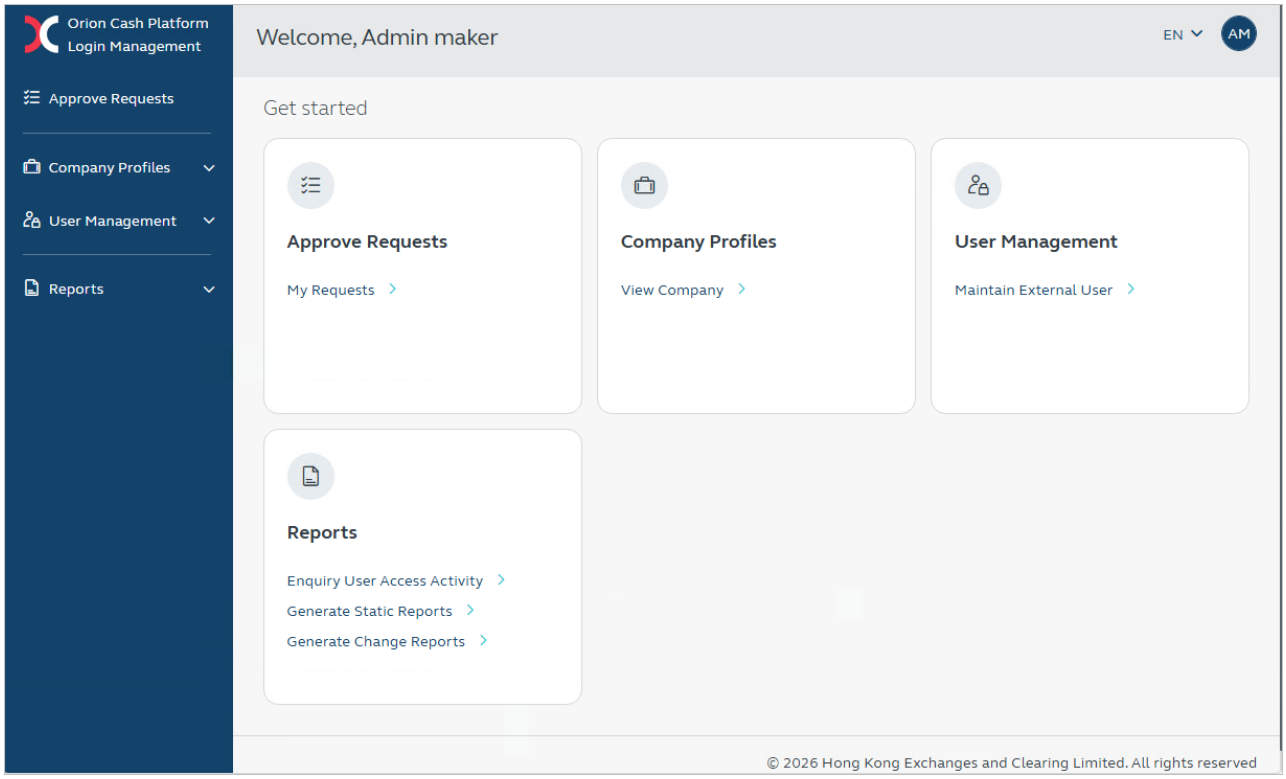


f) The Account Activation process is completed. Press **Login** button to return to the application.



2.5.3. Main Page

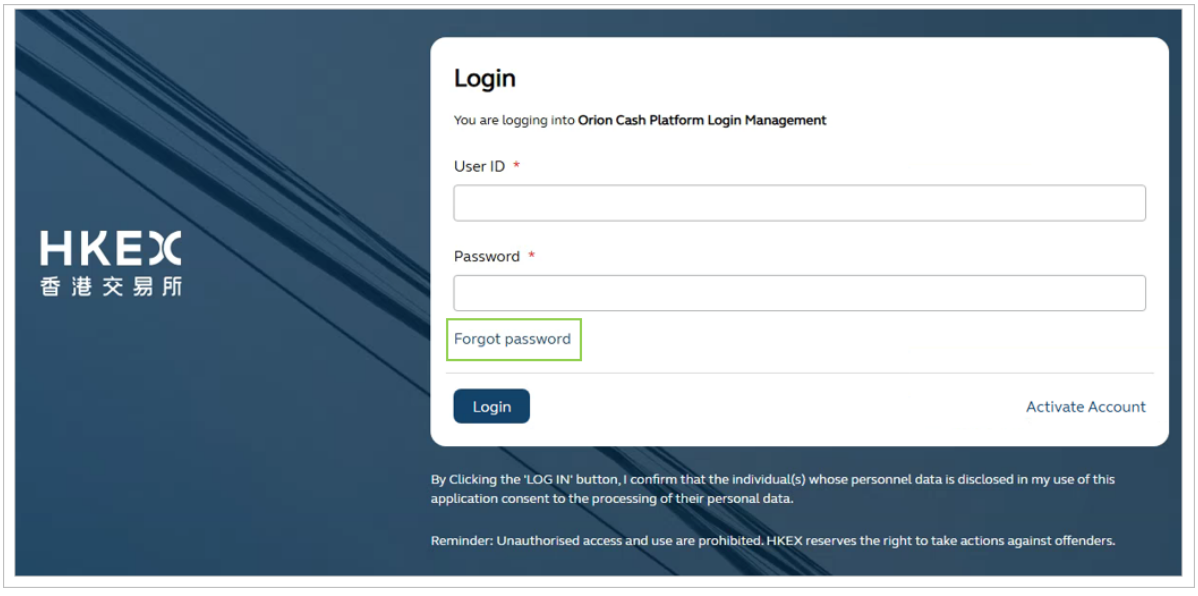
Upon successful login, the user will be directed to the Main Screen, the navigation menu on the left will be subject to the requisite access rights assigned to the DA for operating the respective functions.



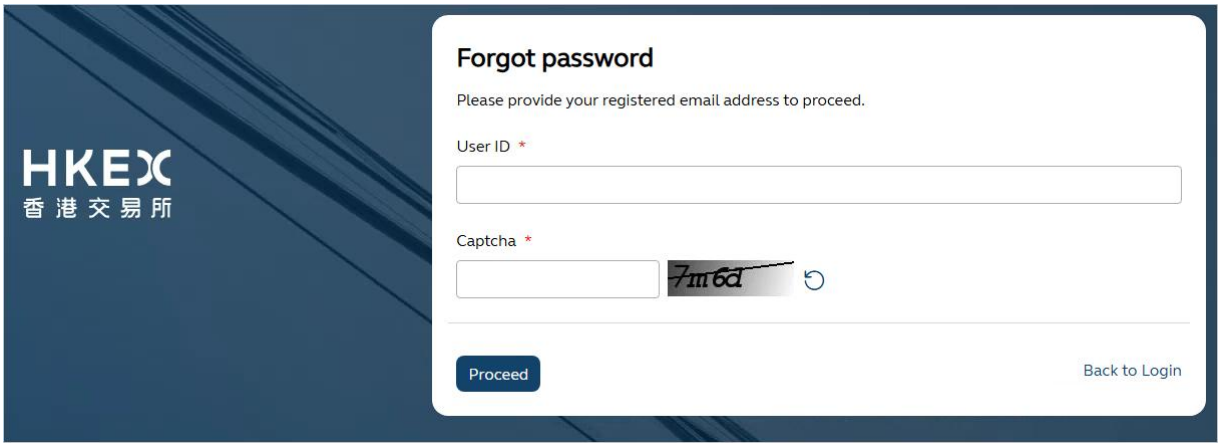
2.5.4. Forgot Password

The Forgot Password feature allows DAs to recover their access to their accounts through a secure self-service process when they are unable to log in due to a forgotten or lost password.

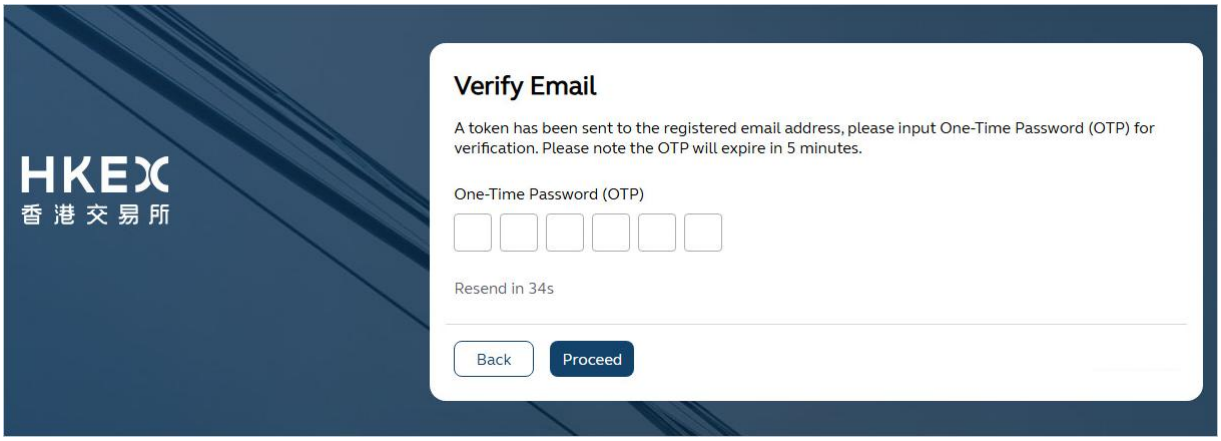
a) On the Login page, click **Forgot Password** to go to the Forgot Password Page.



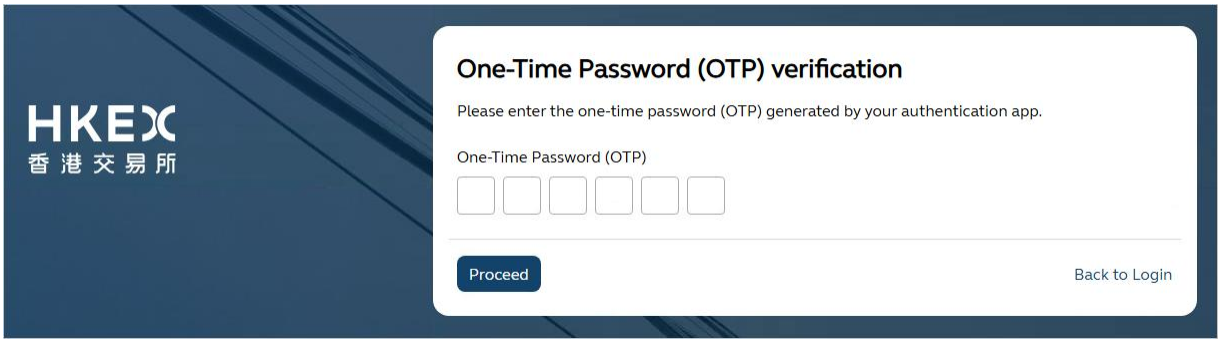
b) Enter your User ID and Captcha. If the Captcha is unclear, please reload it. Click **Proceed** to continue to the OTP Verification page.



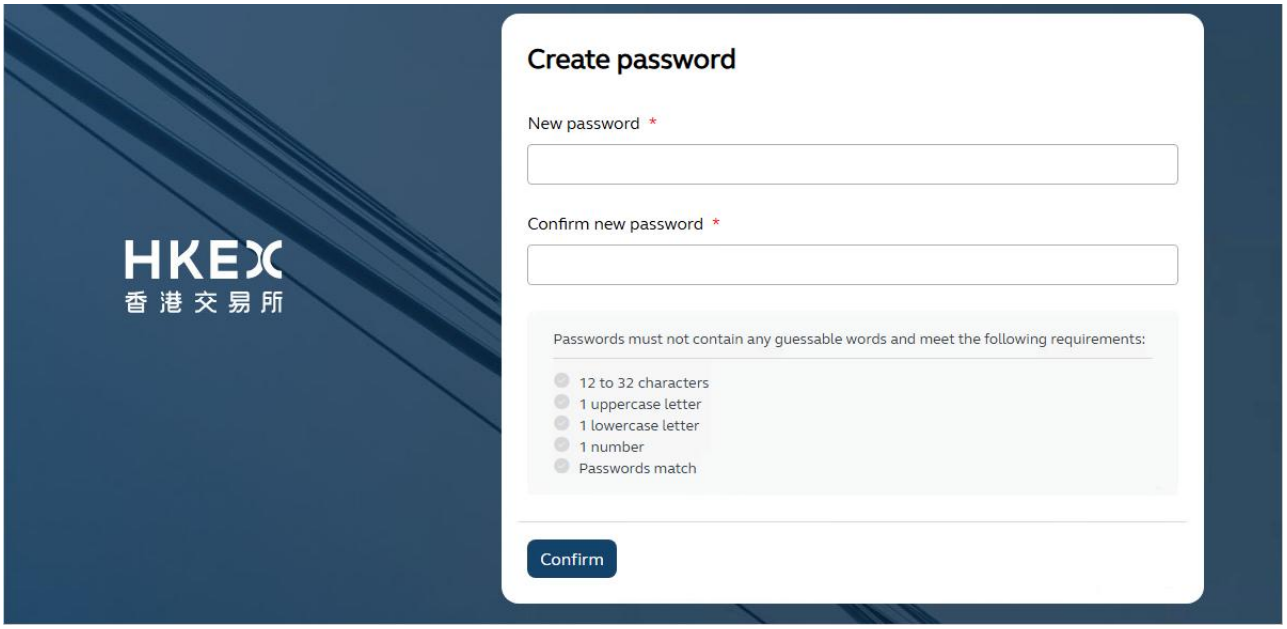
c) A One Time Password (OTP) will be sent to your registered email address. Enter the code from the email within 5 minutes to complete verification.



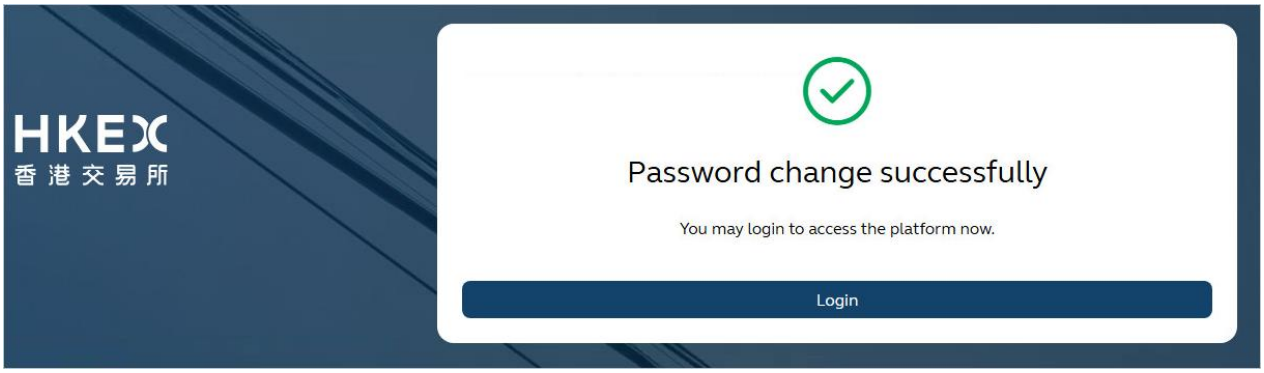
For users who select **Authenticator App** as their OTP delivery method, the system will also require OTP verification via the Authenticator App.



d) Create new password that meets all required criteria, then click **Confirm** to complete.

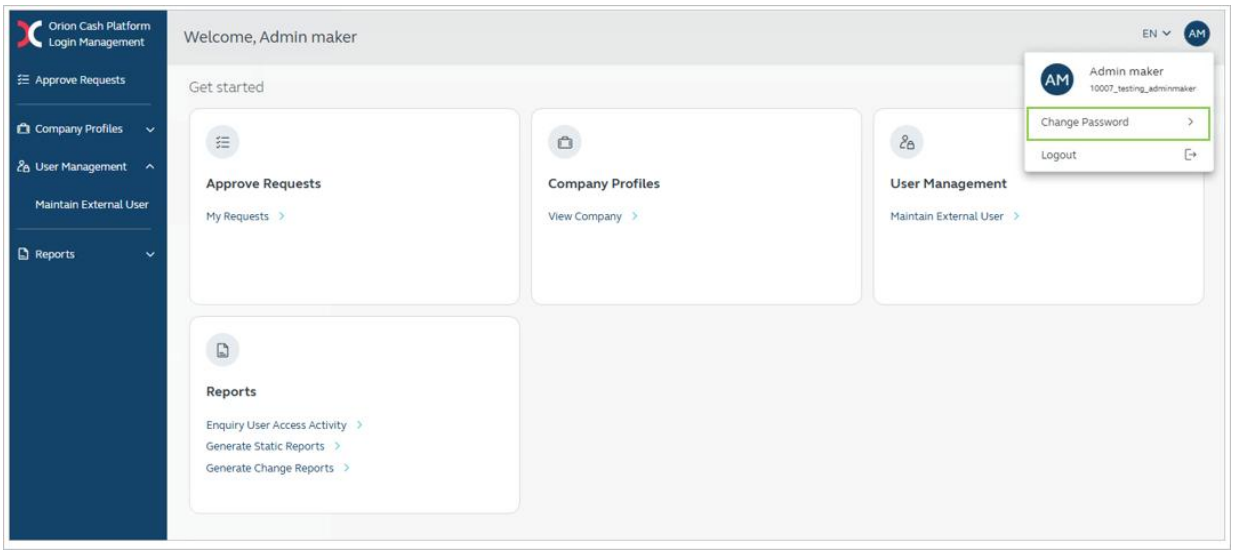


e) The password change process is completed. Press Login button to return to the application.

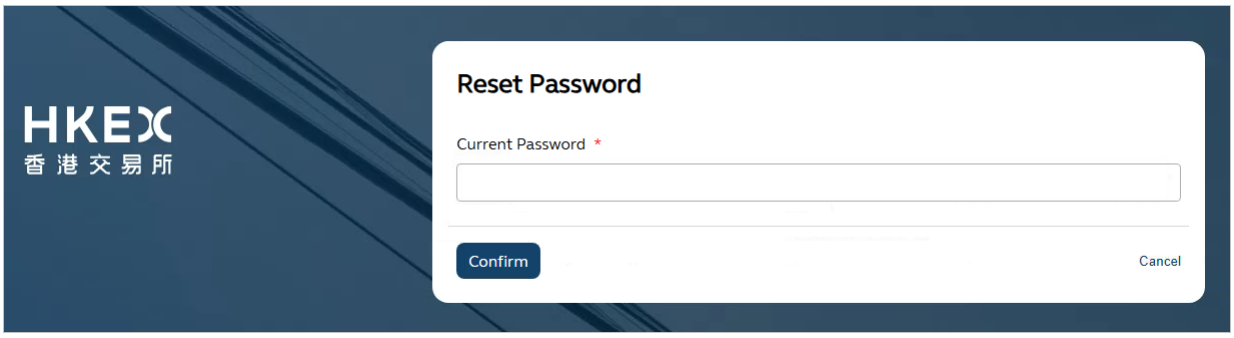


2.5.5. Change Password

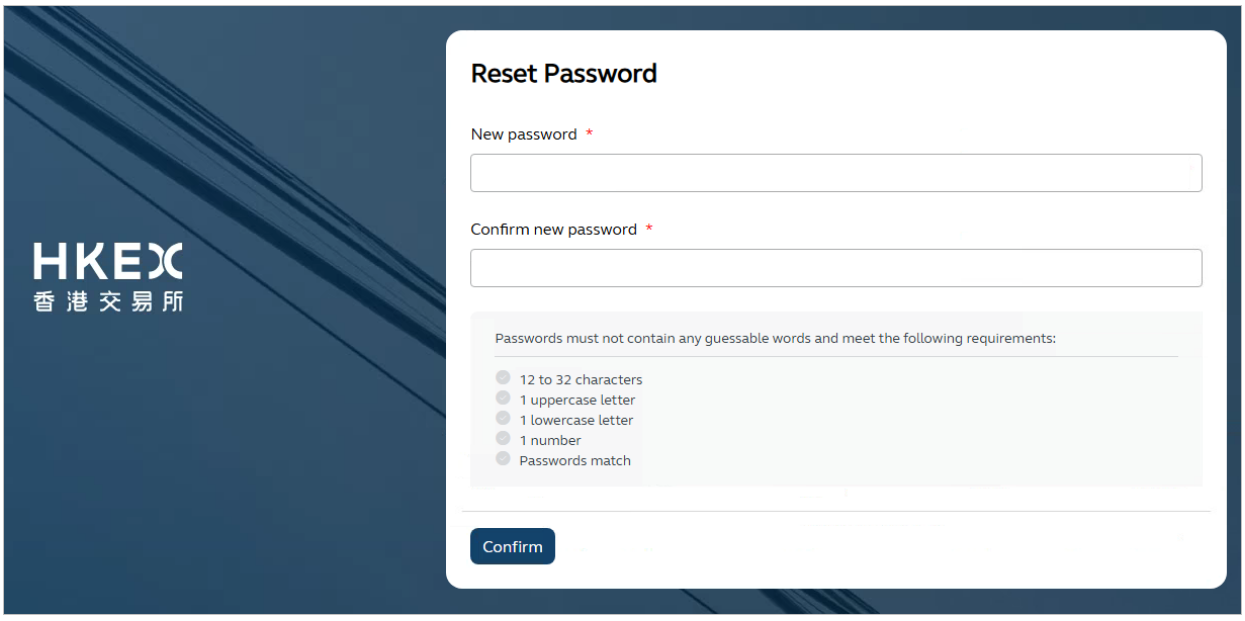
a) Upon successful login, the user will be directed to the Main Screen. User may click the user profile icon on the top-right corner, then click **Change Password** from the dropdown menu.



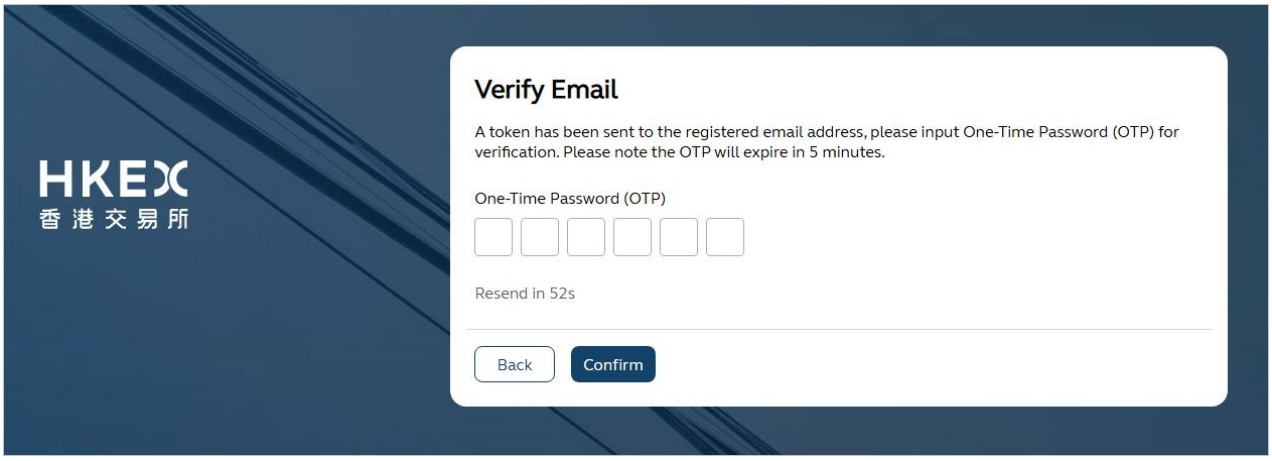
b) Enter your Current Password in the Reset Password page, then click **Confirm**.



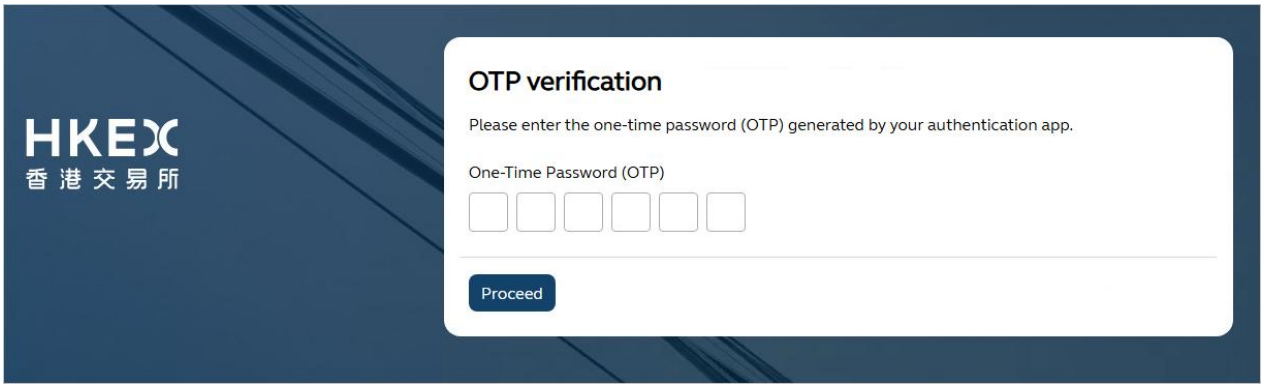
c) Enter your new password that meets all required criteria, then click **Confirm** to complete.



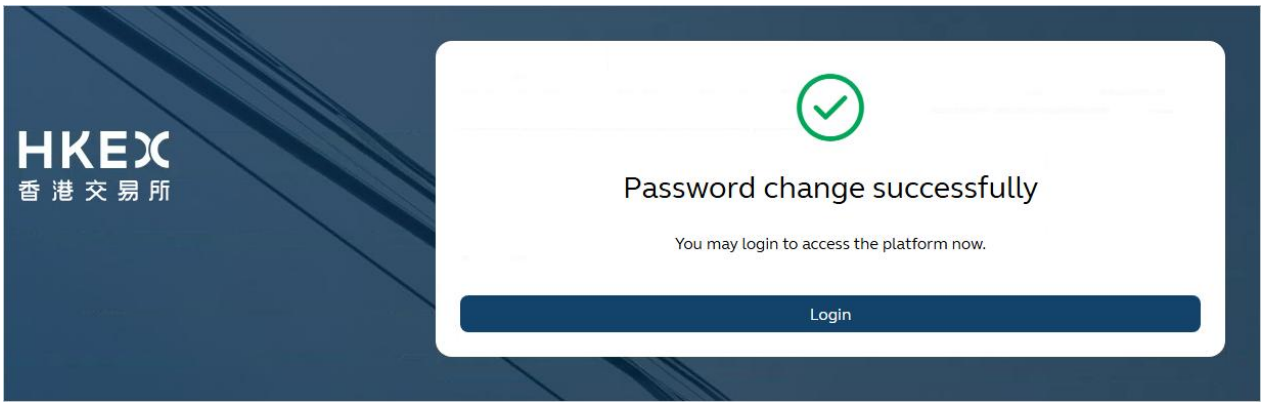
d) A One Time Password (OTP) will be sent to your registered email address. Enter the code from the email within 5 minutes to complete verification.



For users who select **Authenticator App** as their OTP delivery method, the system will require OTP verification via the Authenticator App.



e) The password change process is completed. Press Login button to return to the application.



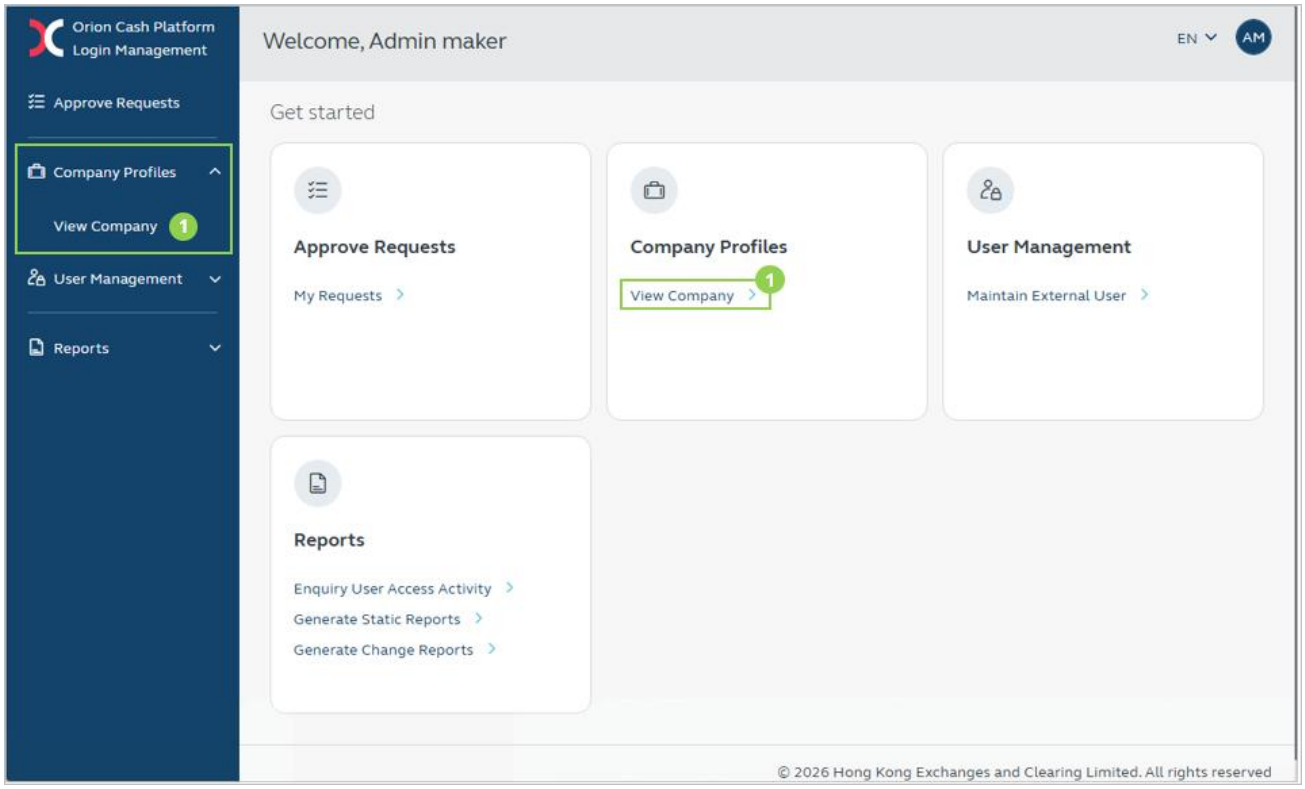
2.5.6. Password And Authentication Setting

Users (the Delegated Administrative users and Business users of HKEX Platforms) must comply with the following password policies when setting or changing their password.

#	Category	Descriptions
1	Password length	Password must consist of 12 to 32 characters
2	Password complexity	The password must contain at least **1** upper case letter, **1** lower case letter, **1** number and/or **1** special character from ! @ # $ ^ & * ( )
3	Account Lockout	User accounts will be locked after **six (6)** consecutive unsuccessful login attempts, including incorrect passwords or invalid OTP entries.
4	Password Expiry	Users are required to change their password at least once every 90 days.
5	Password history	The new password must not match any of the **previous five (5) passwords**

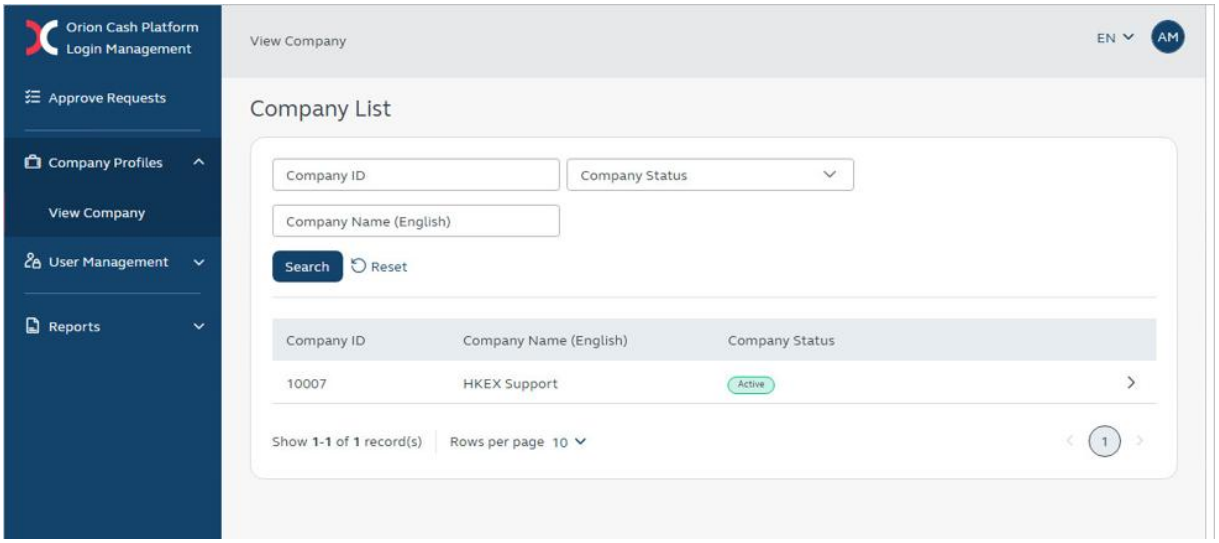
2.6. View Company Profile

This function allows DA to view the company profile record(s) that the user is authorised to manage.

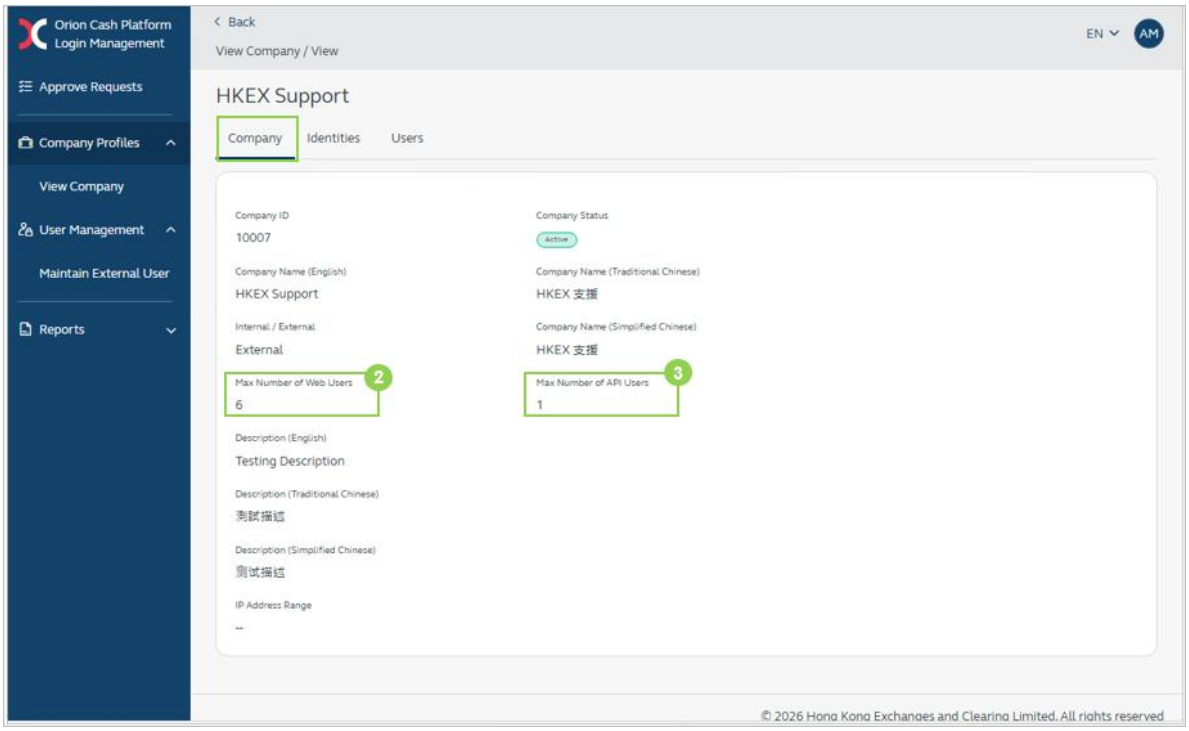


a) The DA may access the Company list page by selecting 1 **View Company** either from the Navigation Menu on the left or from the Company Profiles tile displayed on the main landing page.

b) User may click the "**>**" icon to view more details of the selected company



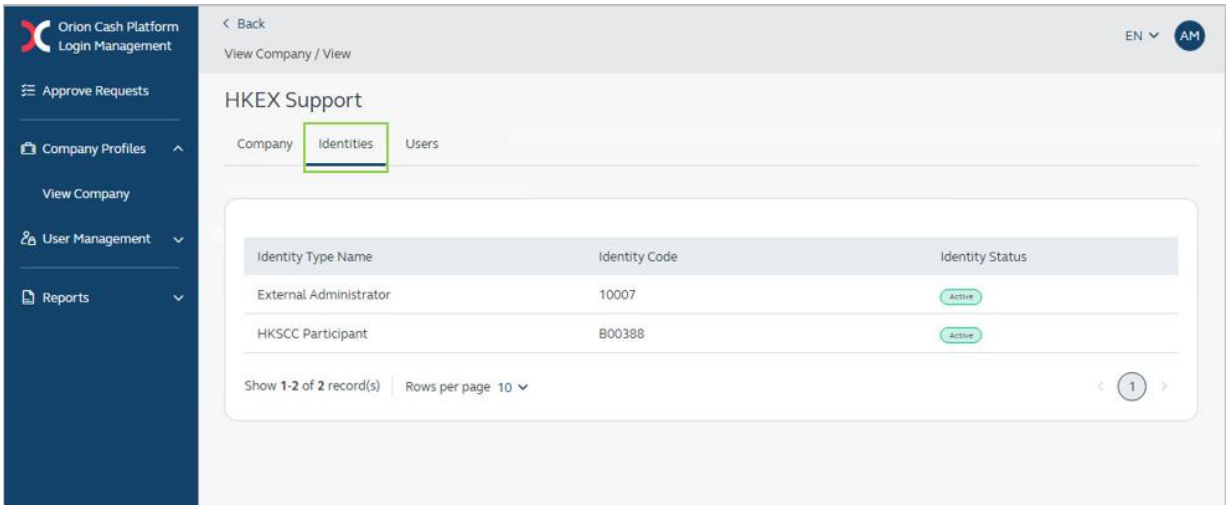
c) The detailed page consists of 3 tabs, the **Company** tab displays the basic company information.



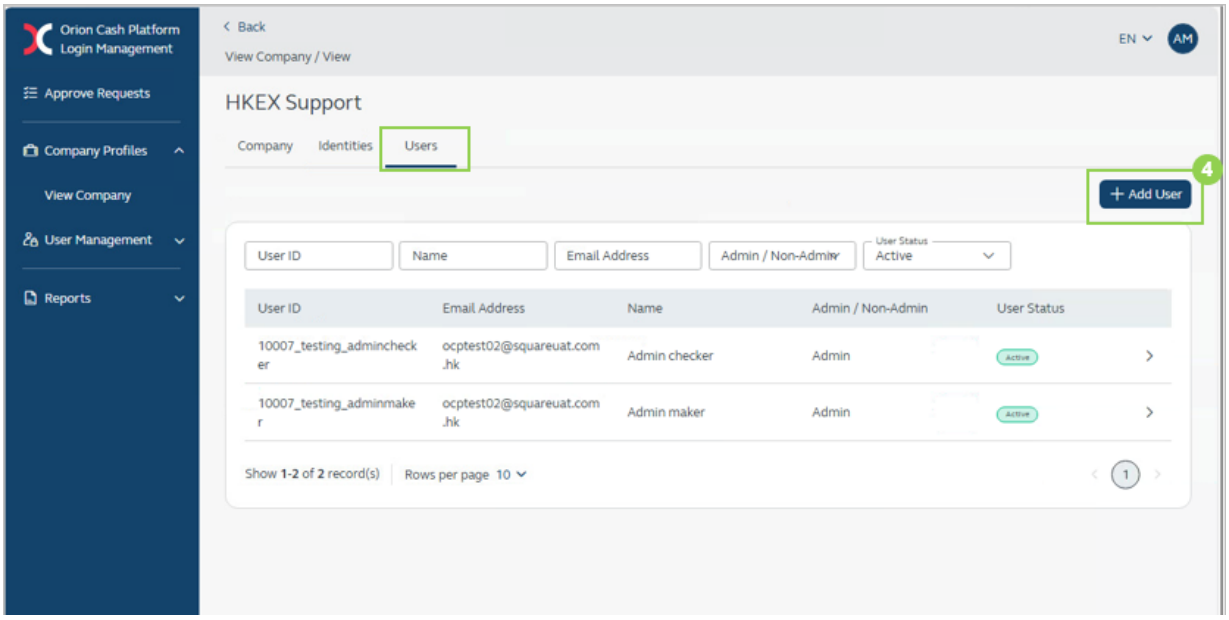
2 **Max number of Web Users:** Indicates the maximum number of web user accounts (inclusive of administrative user accounts) that are entitled for this company. The default value is **6**.

3 **Max number of API Users:** Indicates the maximum number of API accounts that are entitled for this company. The default value is **0**.

d) The **Identities** tab displays the Participantship / Identity associated with the Company.



e) The **Users** tab displays the list of users of the company, DA may click the 4 **+ Add User** to navigate to the **Maintain User function** to add new user for this company, or click the "**>**" icon next to a selected record to access the **Maintain User function** to manage the selected user account.

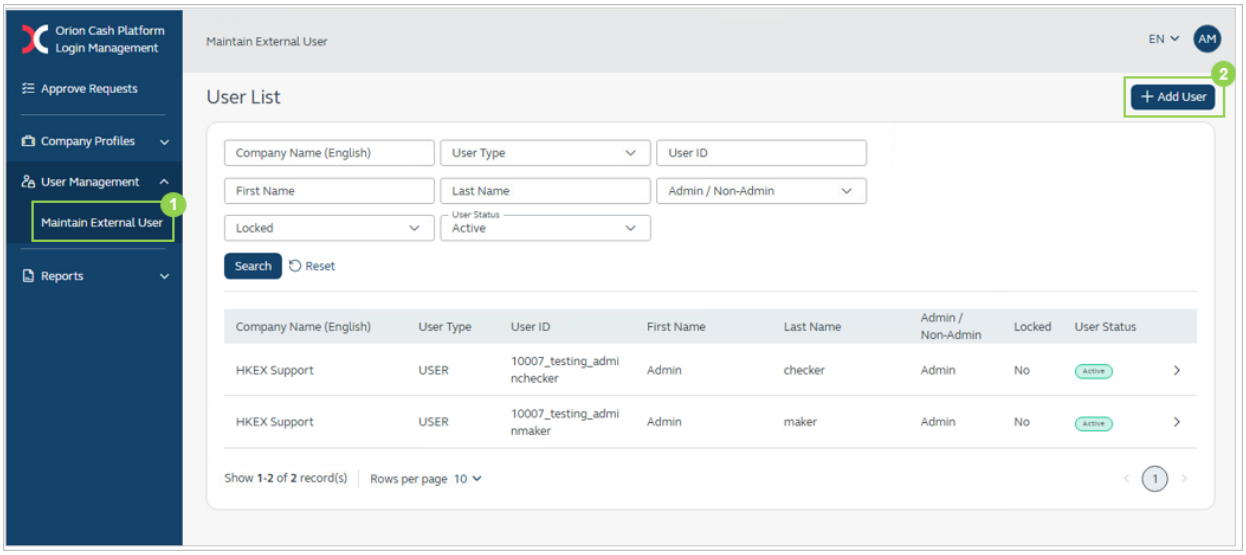


2.7. Maintain External Users

This function allows the DA to manage the administrator, business user and API account that the DA is authorised to manage via the **Maintain External User** menu as described below

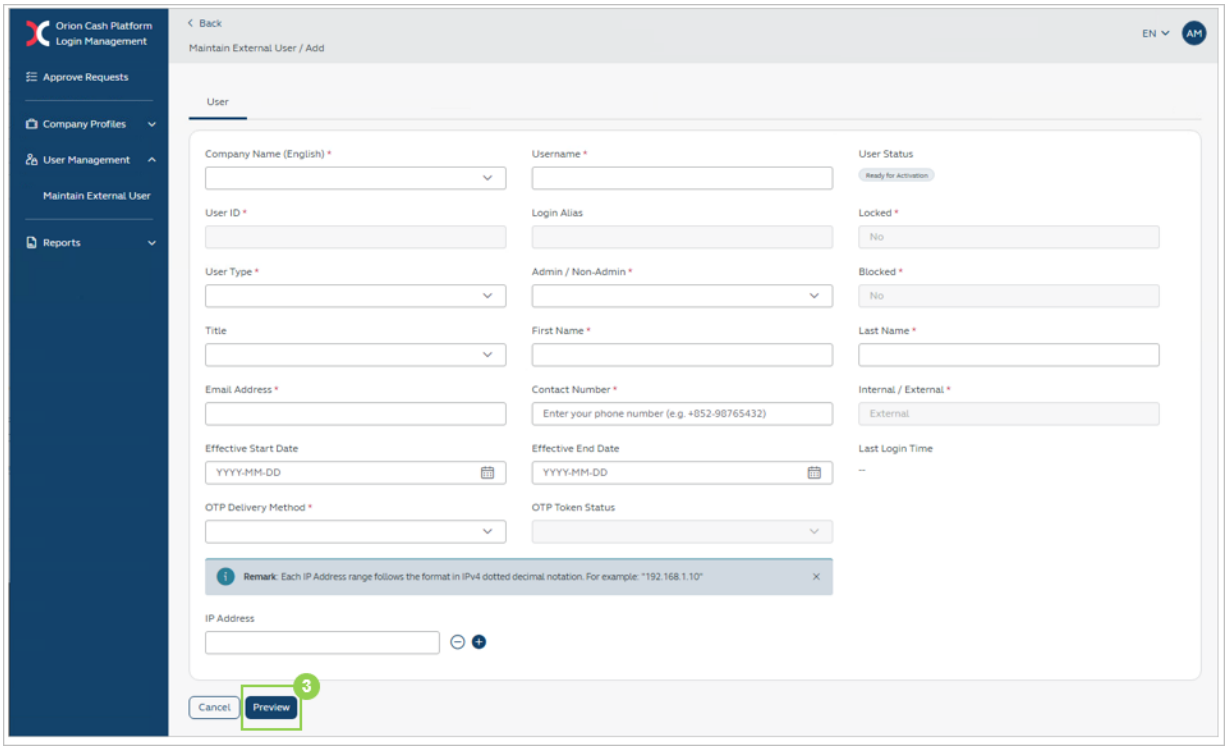
MAKER

2.7.1. Create Users



a) Login to OCP Login Management and go to **User Management**, click 1 **Maintain External User** to view the list of users for the Company he/she manages.

b) Click 2 **+ Add User** to create a new user. Fields marked with * are mandatory.

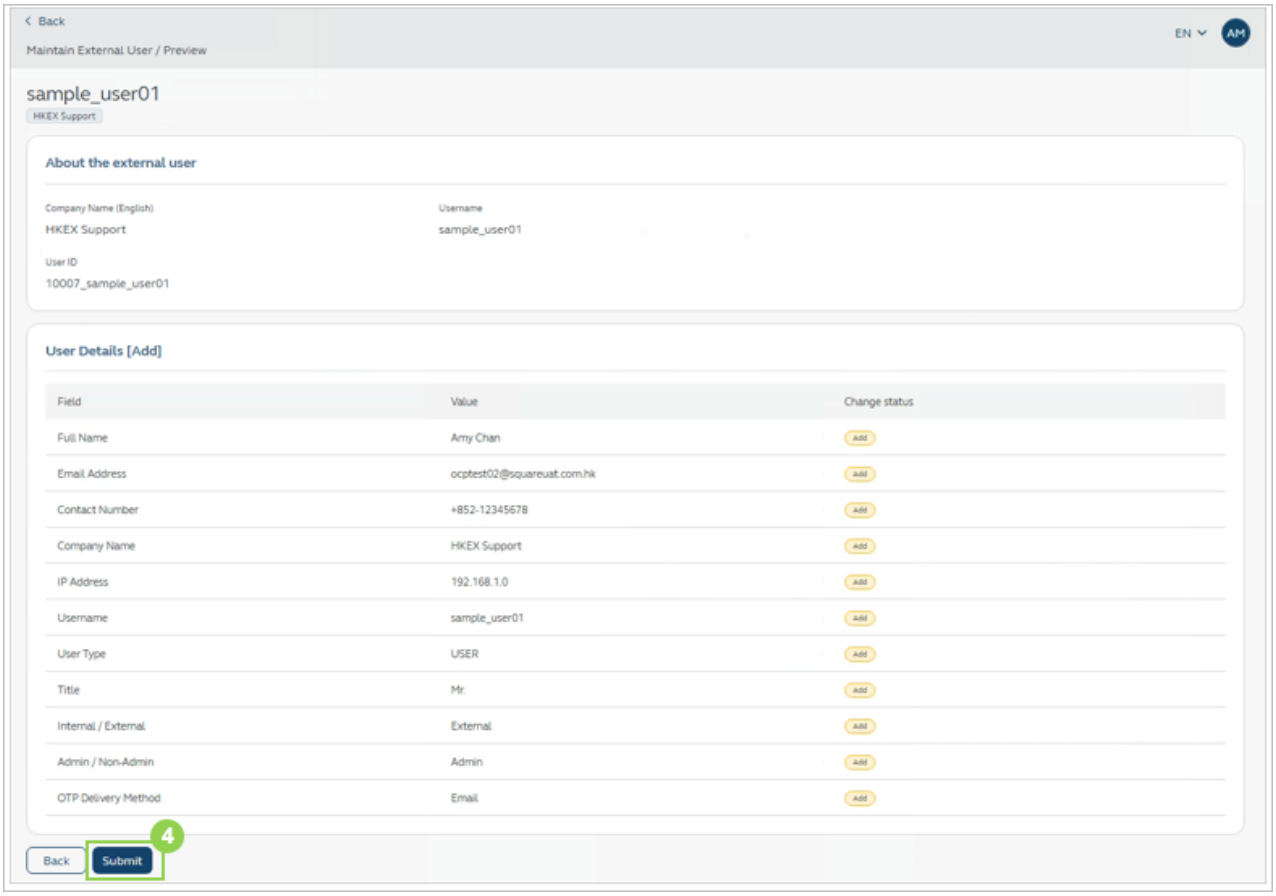


User Attributes

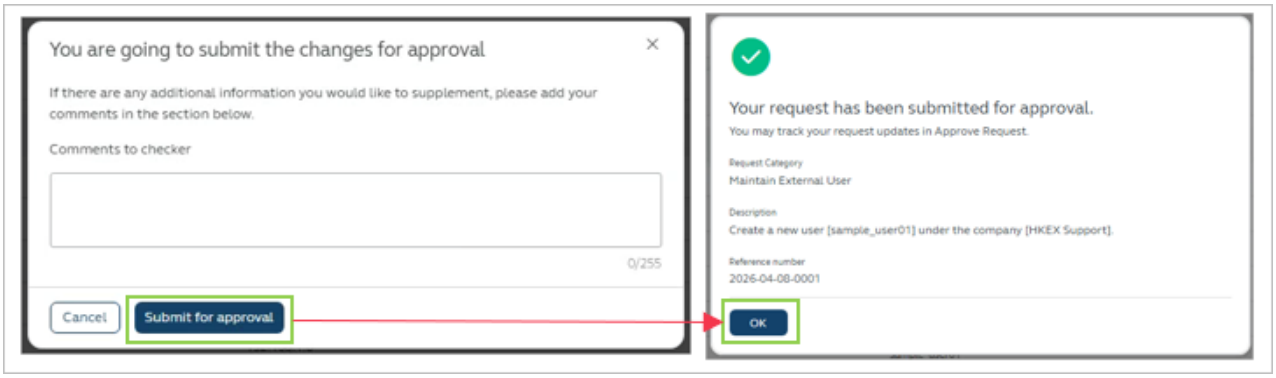
#	Screen Label	Type	Size	Remarks
1	Company Name (English)	Text	150	Displays the name of the company to which the user belongs.
2	Username	Text	36	Entered by the administrator, it must be unique within the company. Allowed characters: a-z, 0-9, dot (.), underscore (_), and hyphen (-). ***Cannot be changed after creation.*** ⚠ Please note that due to the existing USER ID field length limit in CCASS, usernames will be trimmed and only the first 8 characters will be displayed in CCASS reports.
3	User ID	Text	45	System-generated by OCPLM in the following format: User ID = Company ID + "_" + Username
4	User Type	Text	16	Indicate whether the account is a web user or an API user. - USER = Web User - API = API User ***Cannot be changed after creation.***
5	Admin / Non-Admin	Boolean	1	Indicate whether the account is an Admin User or Non-Admin User.
6	First Name	Text	32	It must be a-z, A-Z, 0-9, space, or special characters: . _ - '
7	Last Name	Text	32	It must be a-z, A-Z, 0-9, space, or special characters: . _ - '
8	Email Address	Text	255	Used for system notification, including account activation and password reset emails.
9	Contact Number	Text	17	Must follow the format: **+**<Country Code>**-**<Phone Number>
10	Effective Start Date	Date	8	If blank, the user record becomes effective immediately. If specified, the record becomes effective on or after the start date
11	Effective End Date	Date	8	If blank, the user record never expires. If specified, login will not be allowed after the end date
12	OTP Delivery Method	Numeric	1	Indicate the preferred OTP delivery method for Web users only: 1 = Email 2 = Authenticator App (HKEX recommended) **A change to the OTP delivery method will require the user to undergo the account activation process.**

13	IP Address	Text (multi-valued)	15	Specifies the valid source SDNet IP addresses from which the user can login, up to a maximum of 4 SDNet IP address can be entered. Values must be in IPv4 dotted decimal notation and fall within the company's configured SDNet IP ranges. For example: "192.168.1.0" If blank, the company's IP ranges will be used for IP validation during authentication.

c) After filling in the information, DA (maker) can click 3 **Preview** and then click 4 **Submit** in the confirmation dialogue.

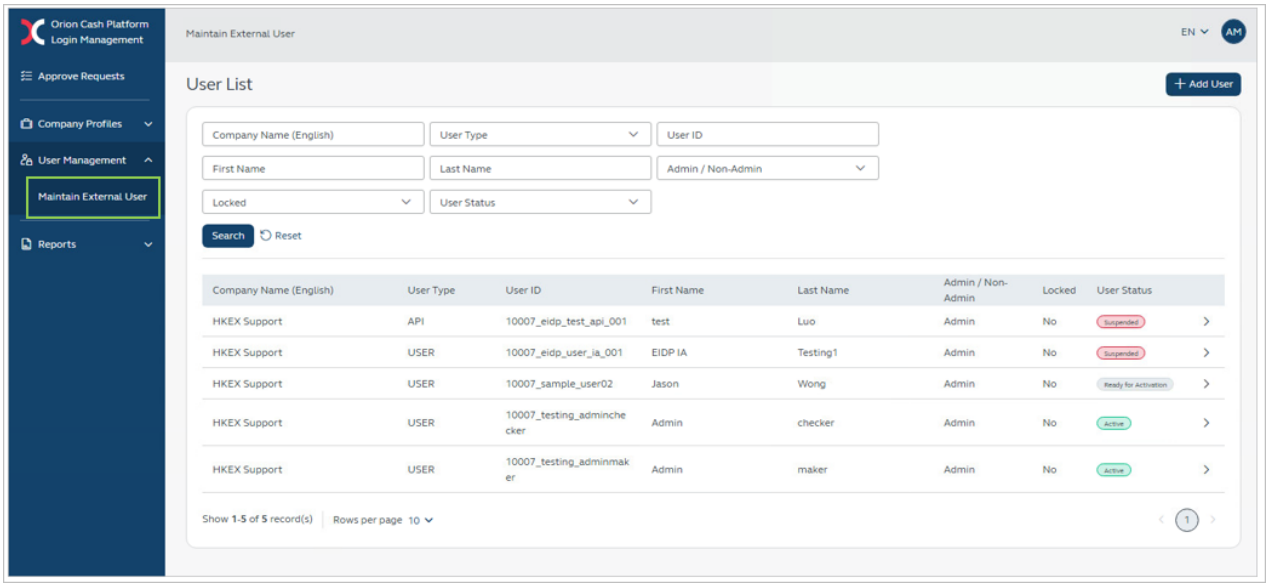


d) DA (maker) can input comments and click **Submit for approval** in the prompt window. The request will then proceed through the maker-checker process.

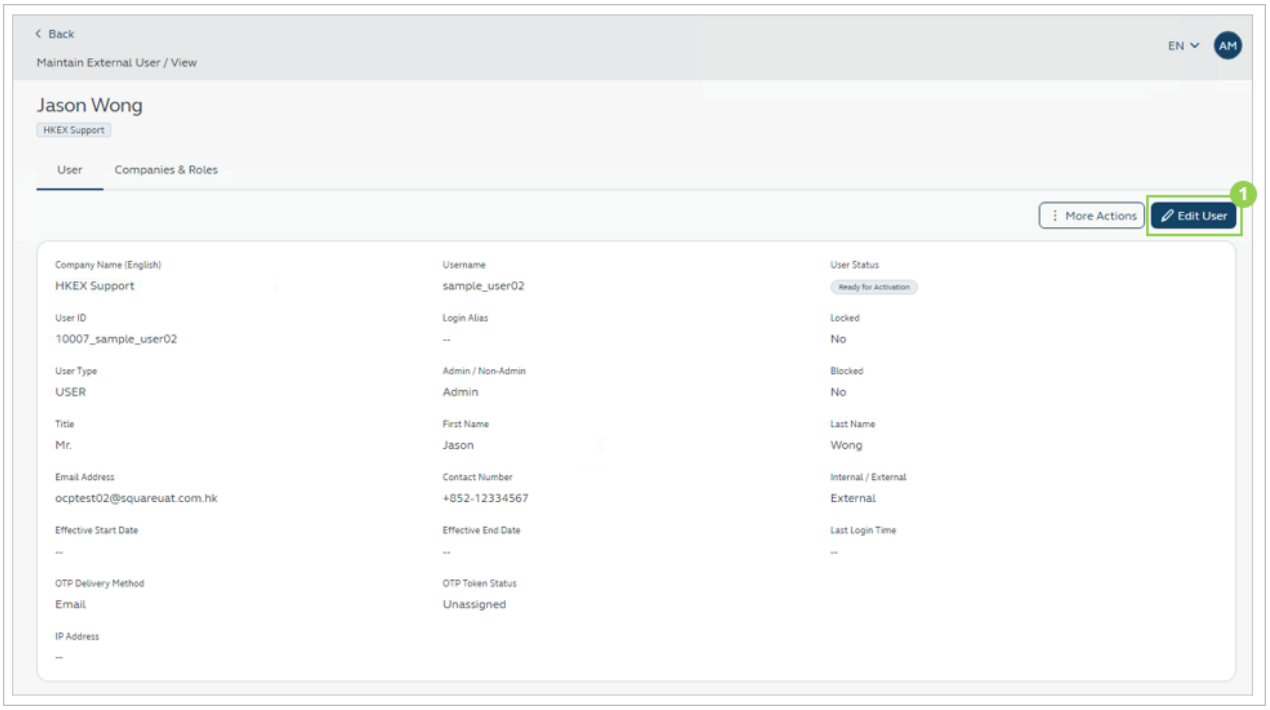


2.7.2. Edit Users

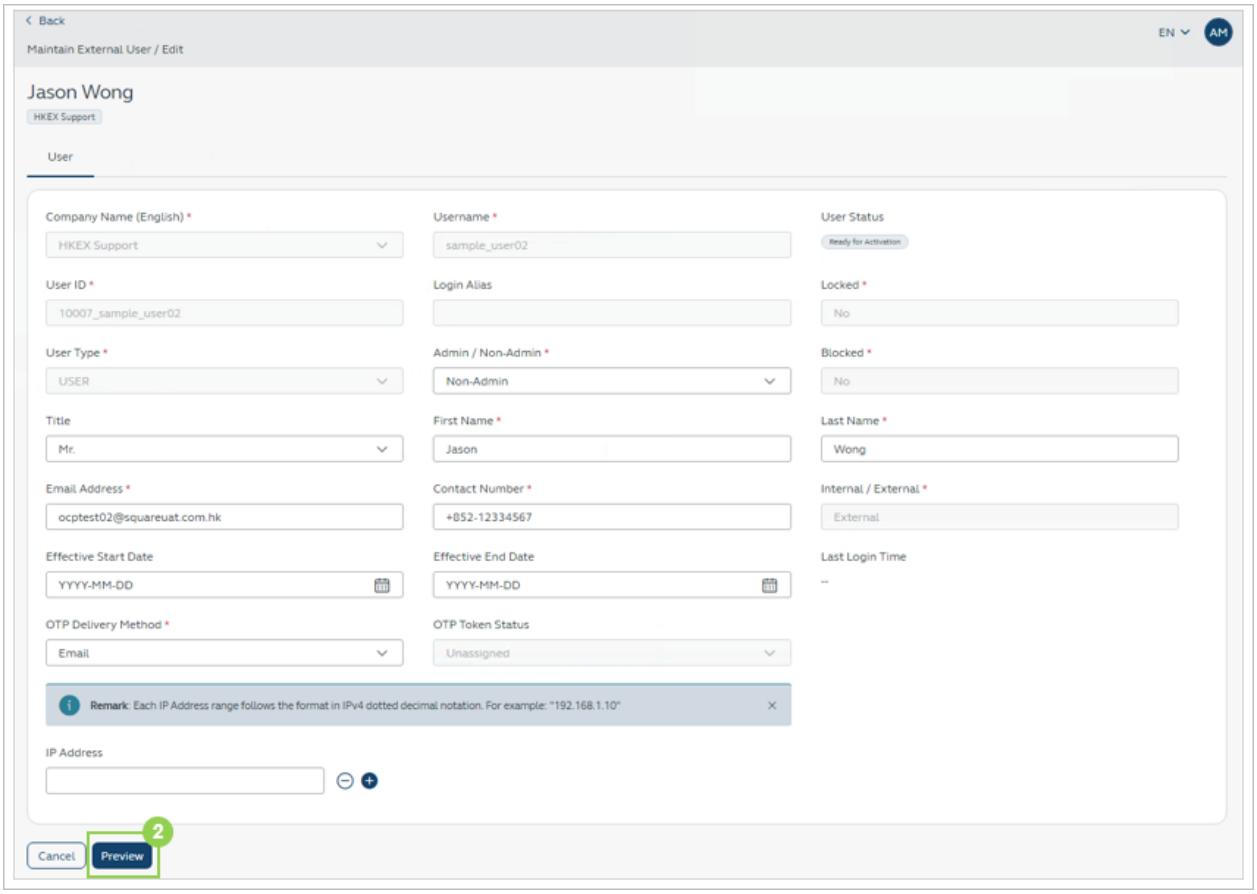
a) Go to **User Management**, click **Maintain External User** to view the list of users for the Company he/she manages.

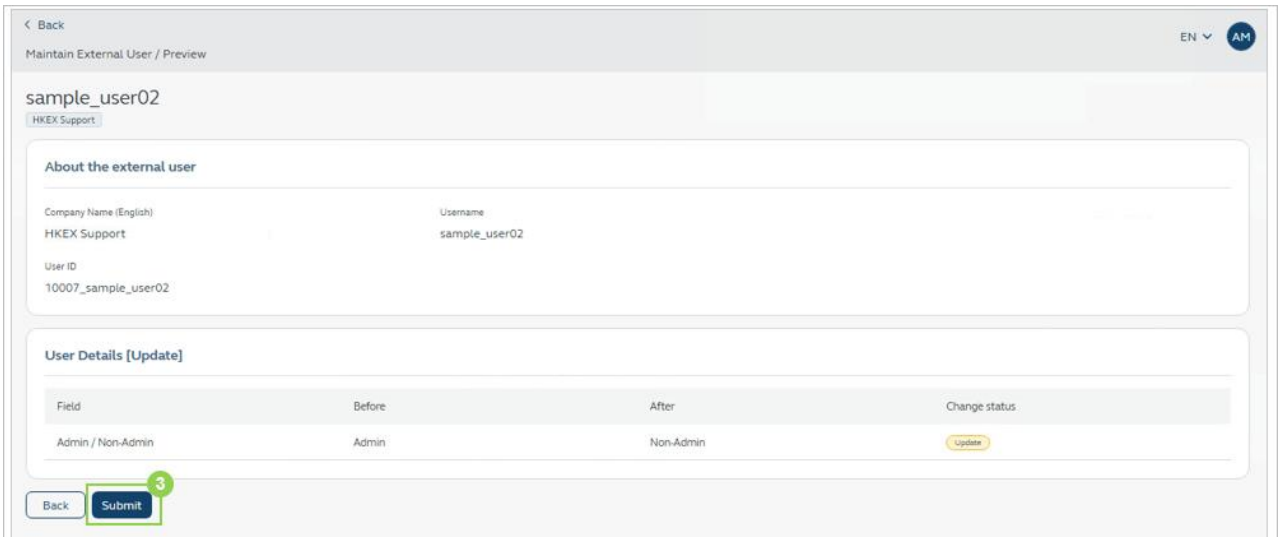


b) Click the "**>**" icon to view more details and click **Edit User** to edit the 1 account details.

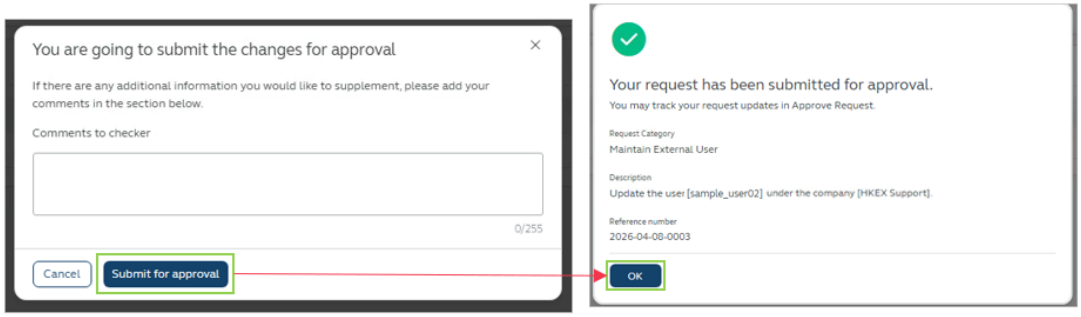


c) After editing the information, click 2 **Preview** and then 3 **Submit** in the confirmation dialogue.



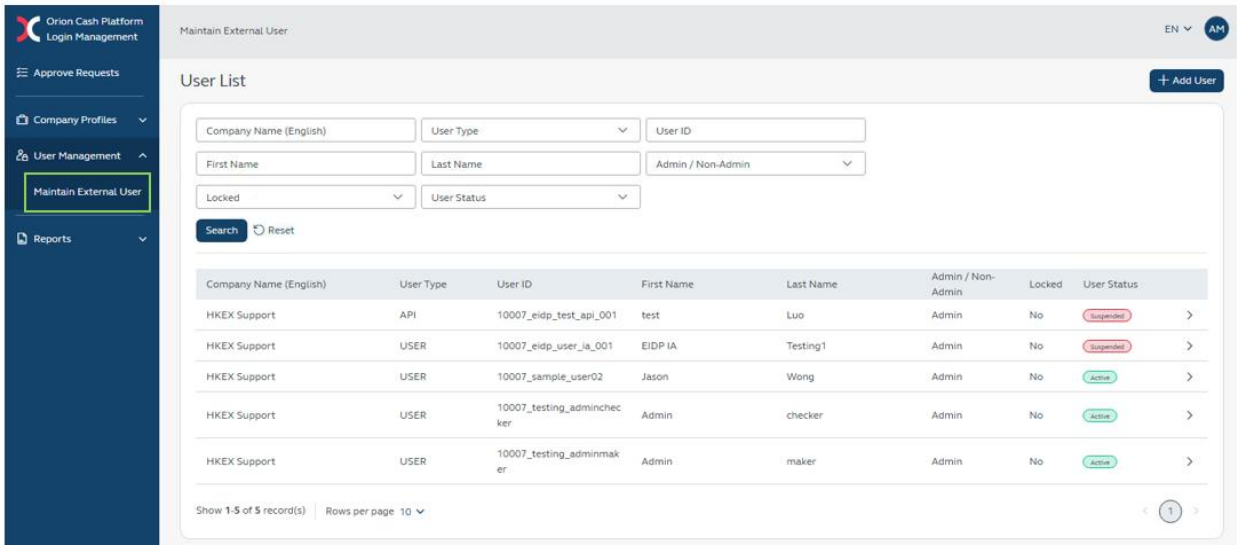


d) DA (maker) can input comments and click **Submit for approval** in the prompt window. The request will then proceed through the maker-checker process.

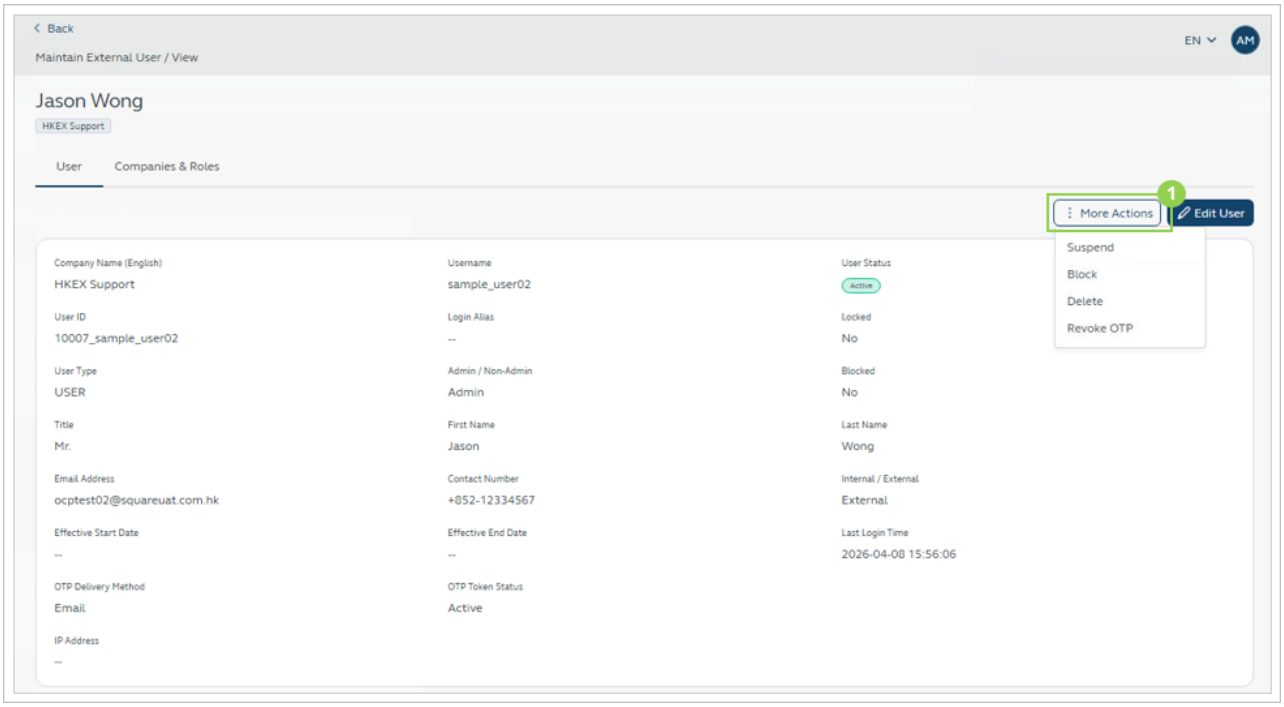


2.7.3. User Account Administrative Actions

a) Go to **User Management**, click **Maintain External User** to view the list of users for the Company he/she manages.



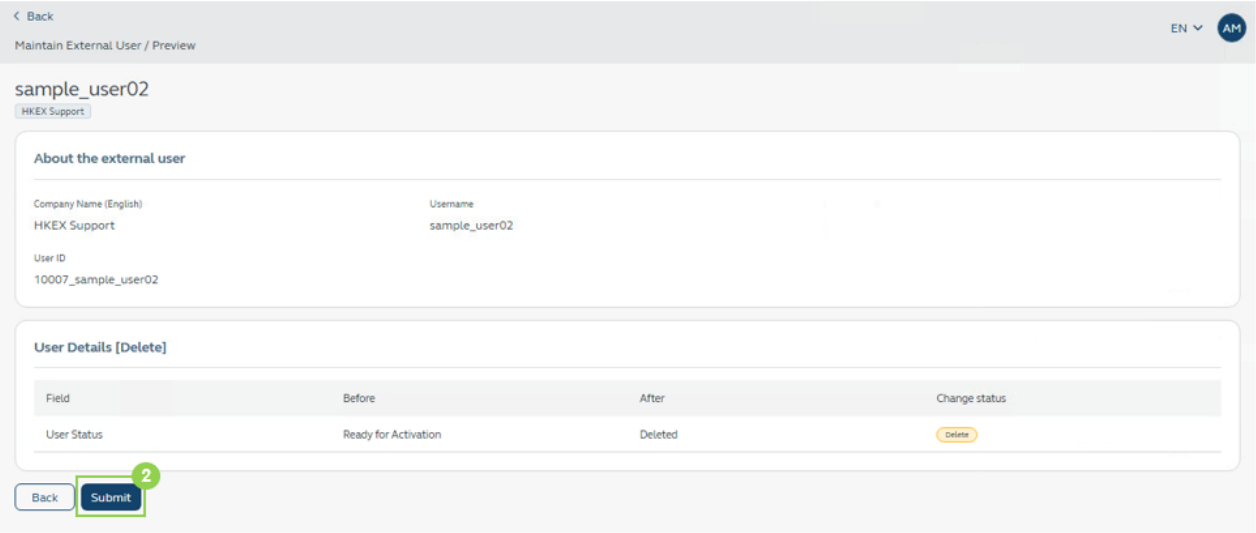
b) Click the "**>**" icon to view more details and click 1 **More Action** to select the administrative actions for the selected user.



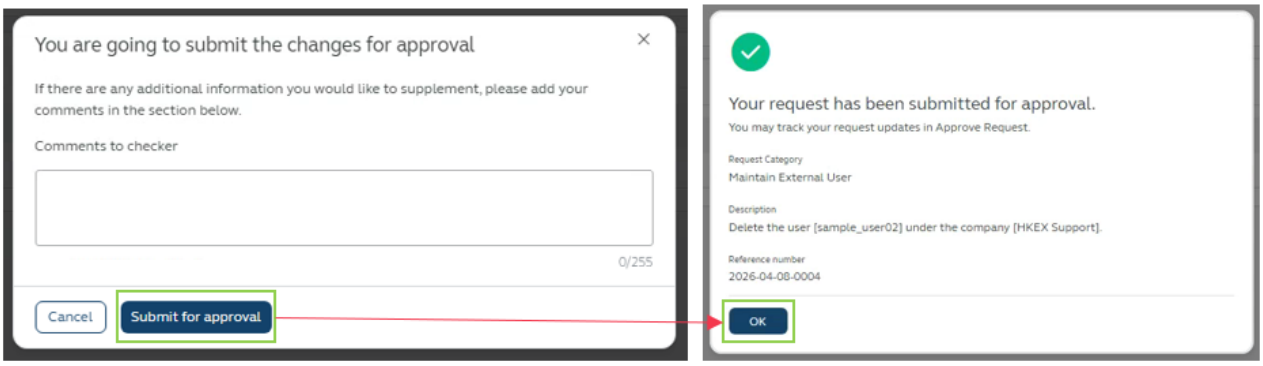
1 More Action List:

Action	Description
Suspend/ Resume	To suspend an active user account by changing the user status to **"Suspend"** or resumes a suspended user account by changing the user status back to **"Active"**, restoring login access.
Unlock	To unlock a user account that has been locked after **6 consecutive unsuccessful login attempts**, including incorrect user password or invalid OTP.
Block/ Unblock	To block an active user account (applied to both Web and API account) by changing the block flag to **"Y"** or unblock a blocked user account by resetting the flag back to **"N"**, restoring login access. ⚠ If the user account is blocked by HKEX Administrator, External DA cannot modify the Blocked flag to resume the user account.
Delete/ Undelete	To delete an active user account by changing the user status to **"Deleted"** or undelete the deleted user by changing the user status back to **"Ready for Activation"** for web user or **"Active"** for API user. ⚠ Deleted user records will be purged at the end of the day.
Revoke OTP	To revoke the registered OTP device for a web user. The user must complete the account activation process again before logging in.

c) Click 2 **Submit** in the confirmation dialogue.



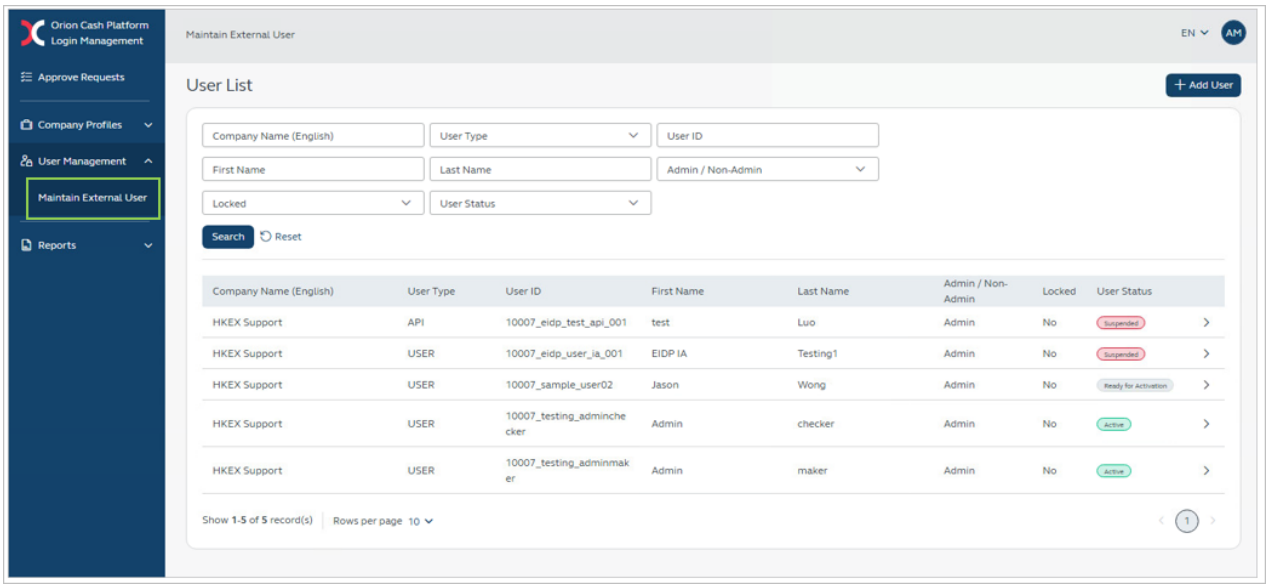
d) DA (maker) can input comments and click **Submit for approval** in the prompt window. The request will then proceed through the maker-checker process.



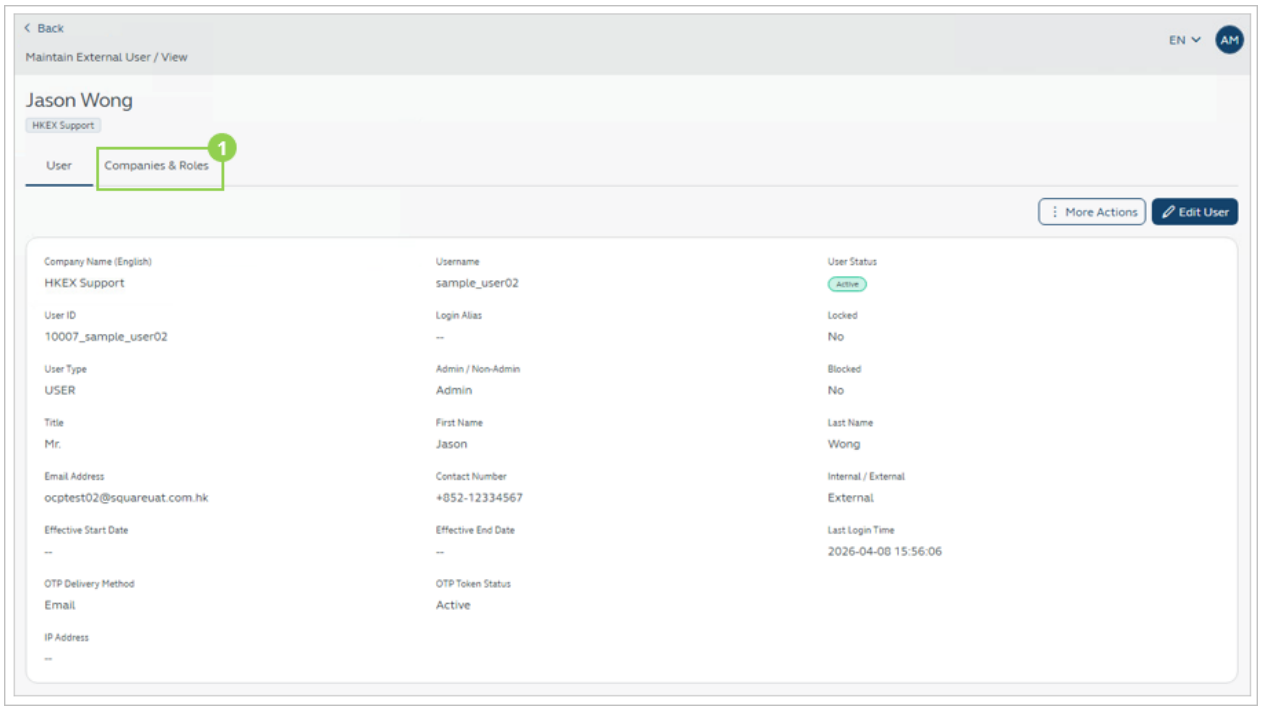
2.7.4. Company Identity and Role Assignment

DA (maker) can assign the company identity and OCP functional role(s) to the Web user or API account via the **Maintain External User** menu as described below.

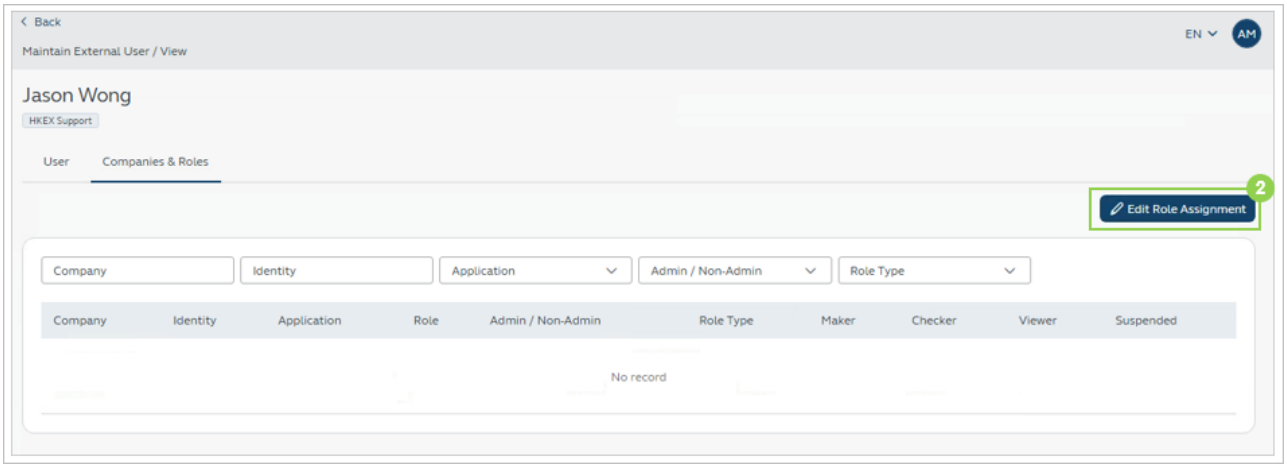
a) Go to **User Management**, click **Maintain External User** to view the list of users for the Company he/she manages.



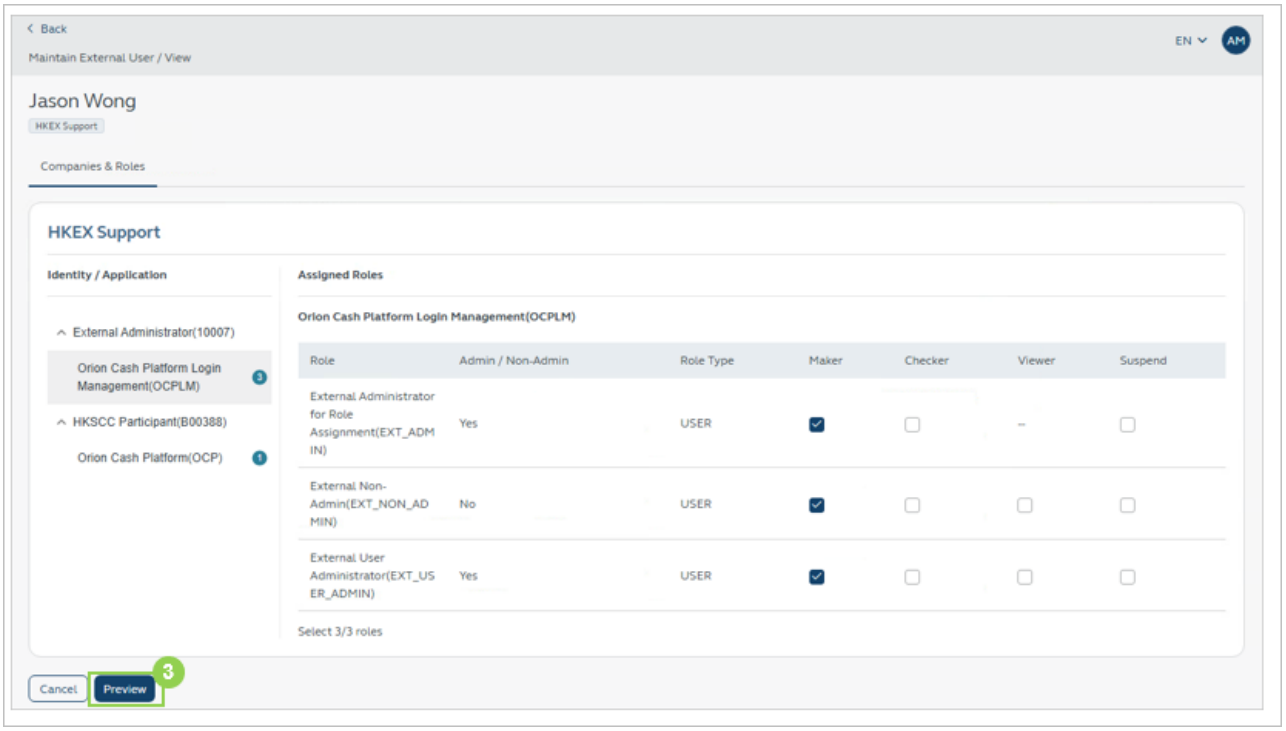
b) Click the "**>**" icon to view more details and click 1 **Companies & Roles** tab on the dashboard.

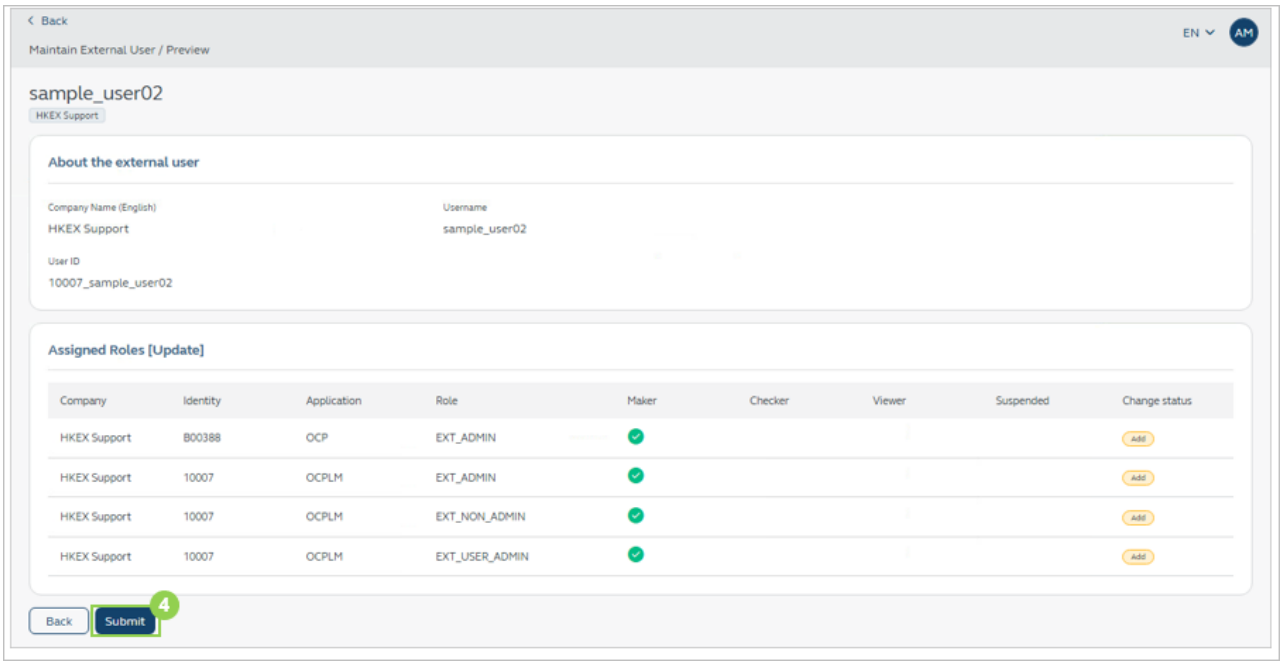


c) Click 2 **Edit Role Assignment** to assign the company identity, functional role and permission type for this user account.

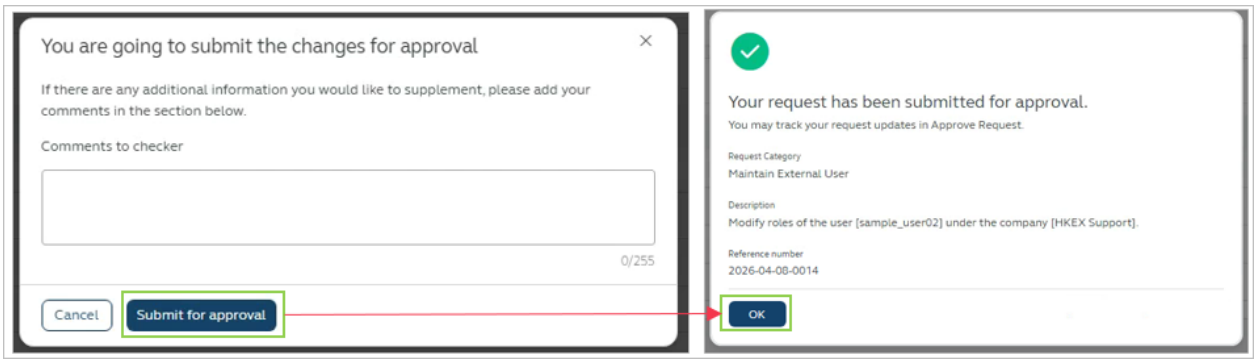


d) The company identity, together with the eligible applications and roles for this DA (maker), will be displayed for selection and assignment to this user account. After making the selections, the DA (maker) may click 3 **Preview** and then click 4 **Submit** in the confirmation dialogue.





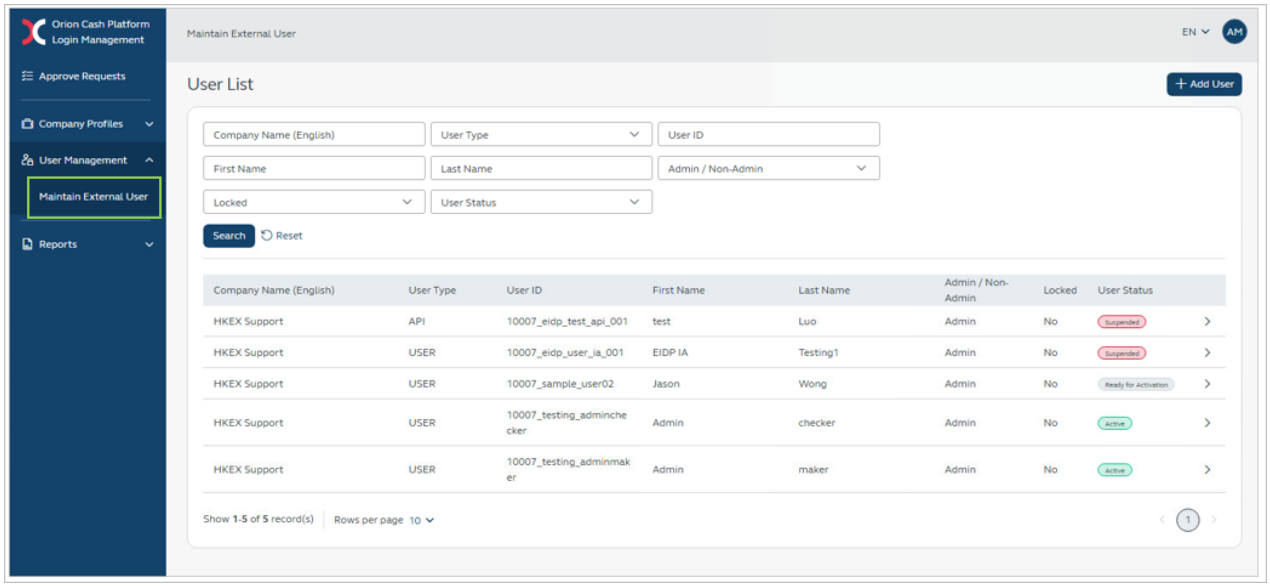
e) DA (maker) can input comments and click **Submit for approval** in the prompt window. The request will then proceed through the maker-checker process.



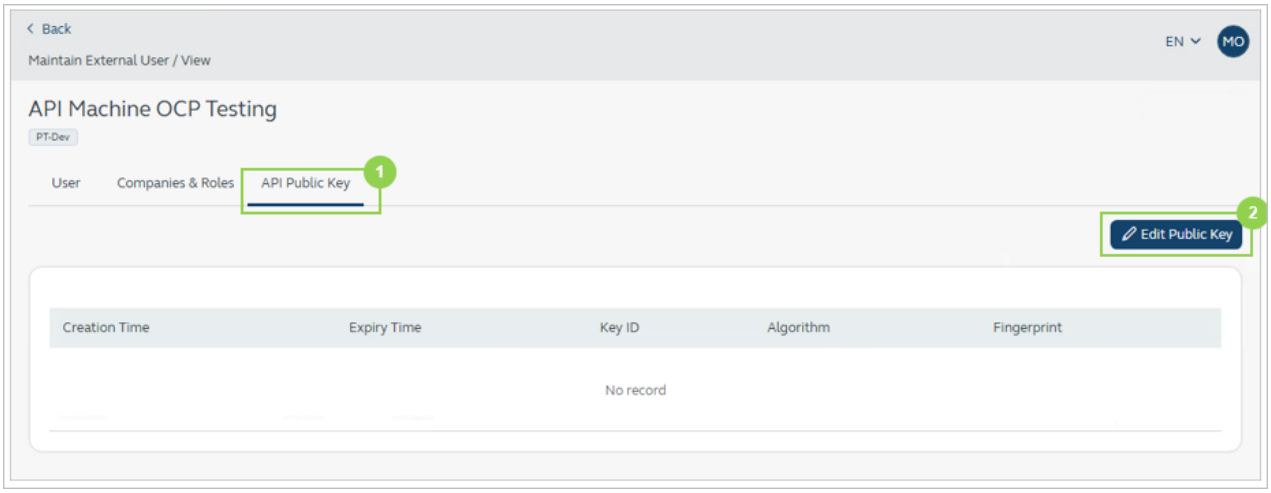
2.7.5. API Public Key Setup

To enable API access, authentication requires a combination of company identity, role assignment, and the API Public Key. The DA must set up the API Public Key for the account via the **Maintain External User** menu as described below.

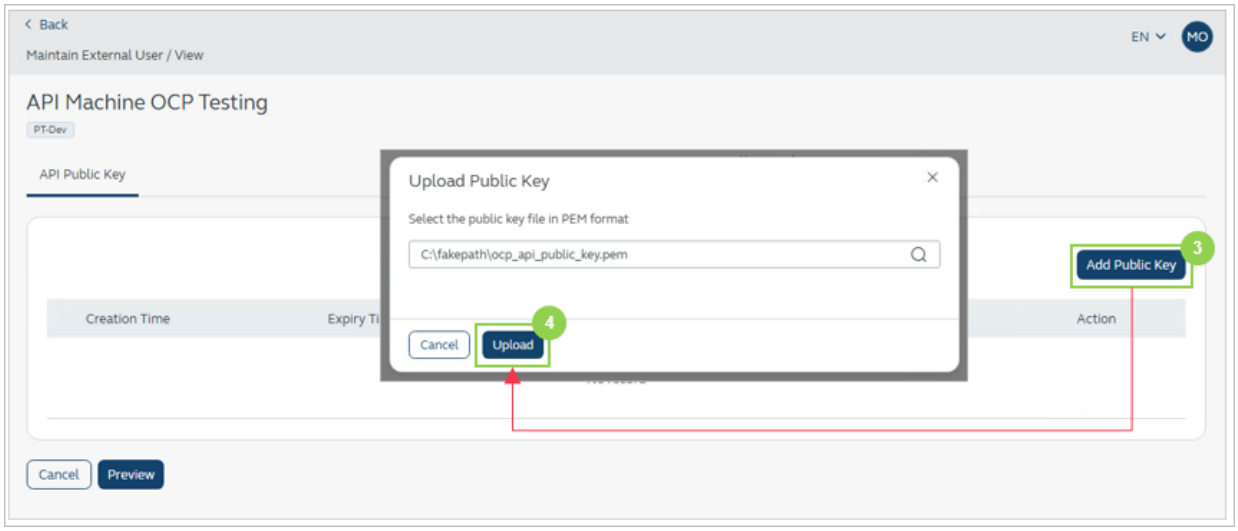
a) Go to **User Management**, click **Maintain External User** to view the list of users for the Company he/she manages.



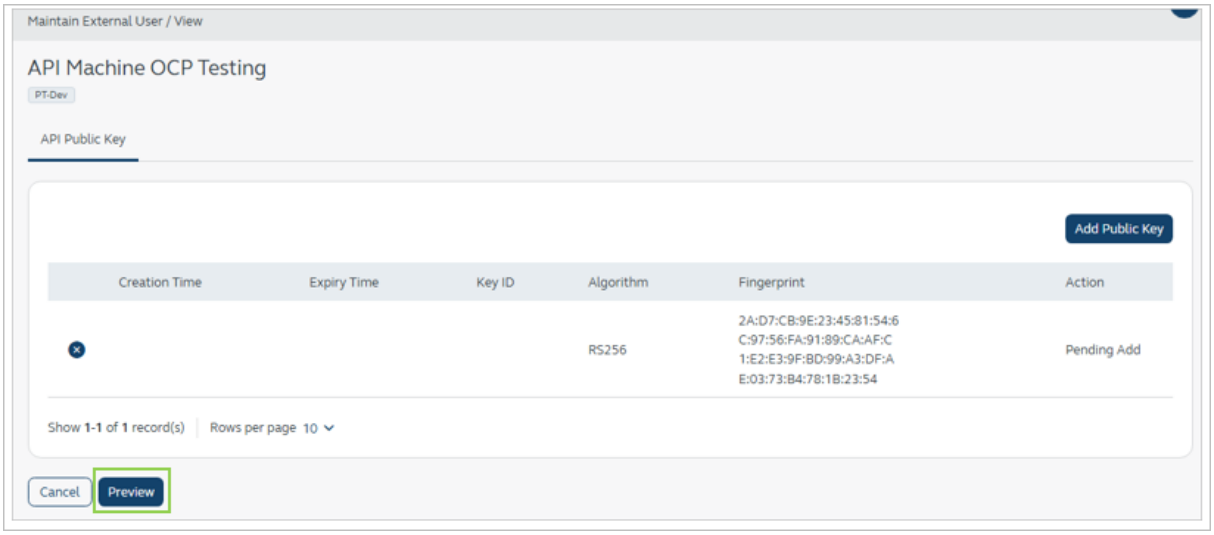
b) Select an API account and click the "**>**" icon for more details. 1 Click **API Public Key** tab on the dashboard, then click 2 **Edit Public Key.**

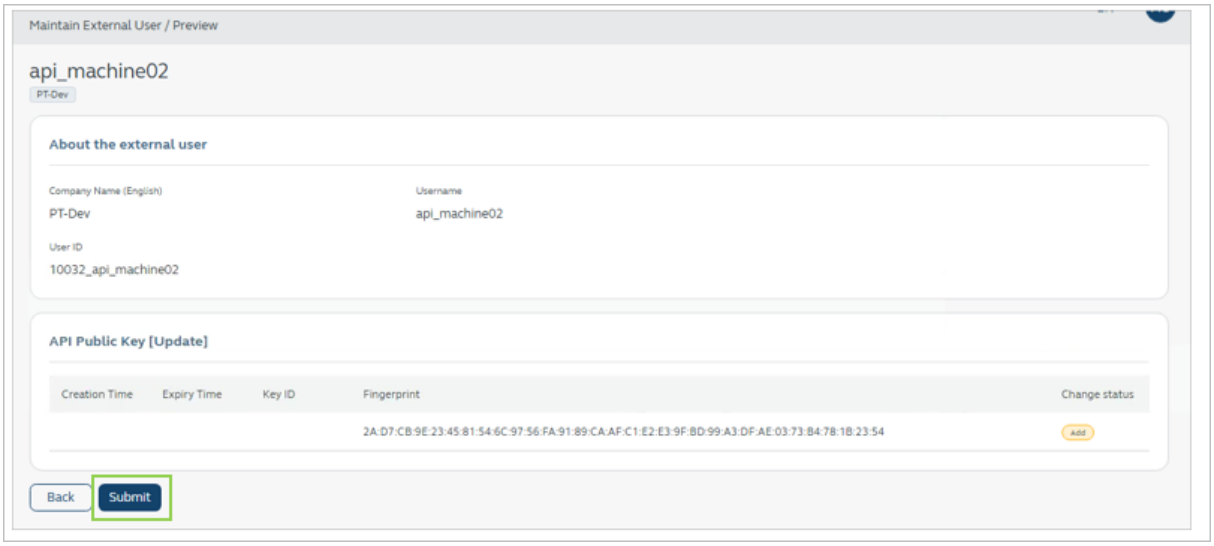


c) The DA (maker) can click 3 **Add Public Key** and 4 **Upload** the public key in PEM format in the prompt window. Please refer to the *OCP API Technical Specification* for more details on API public key generation.

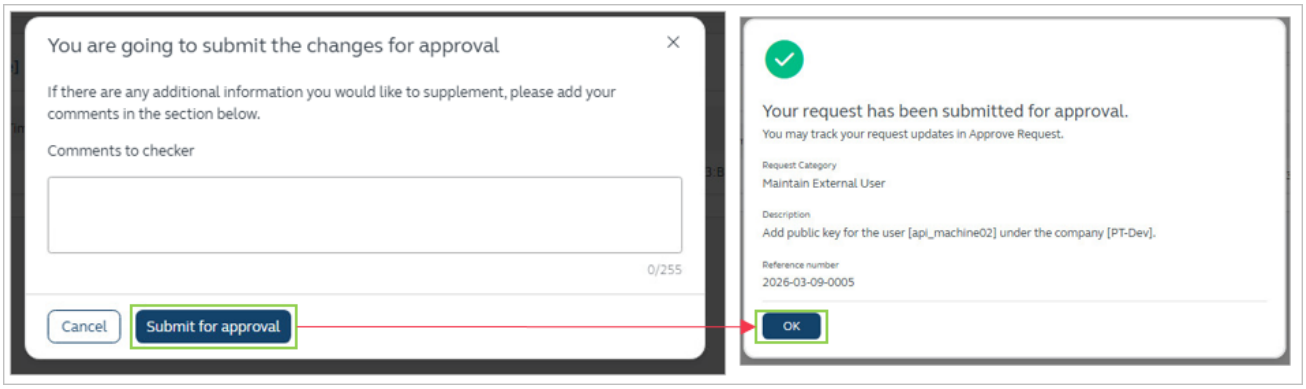


d) The DA (maker) clicks **Preview** and then click **Submit** in the confirmation dialogue.



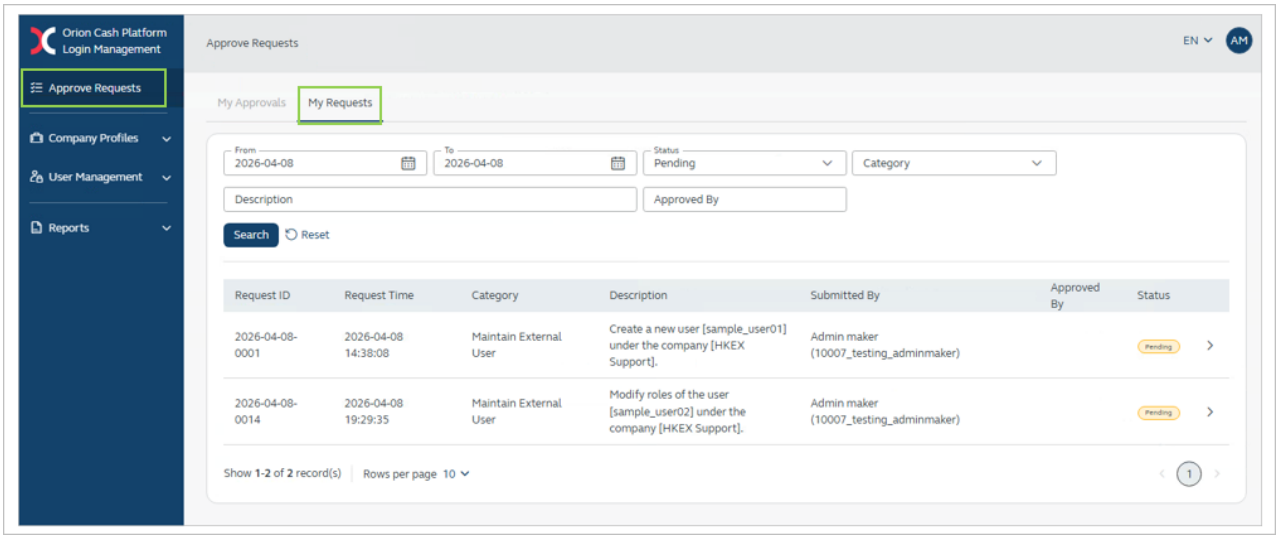


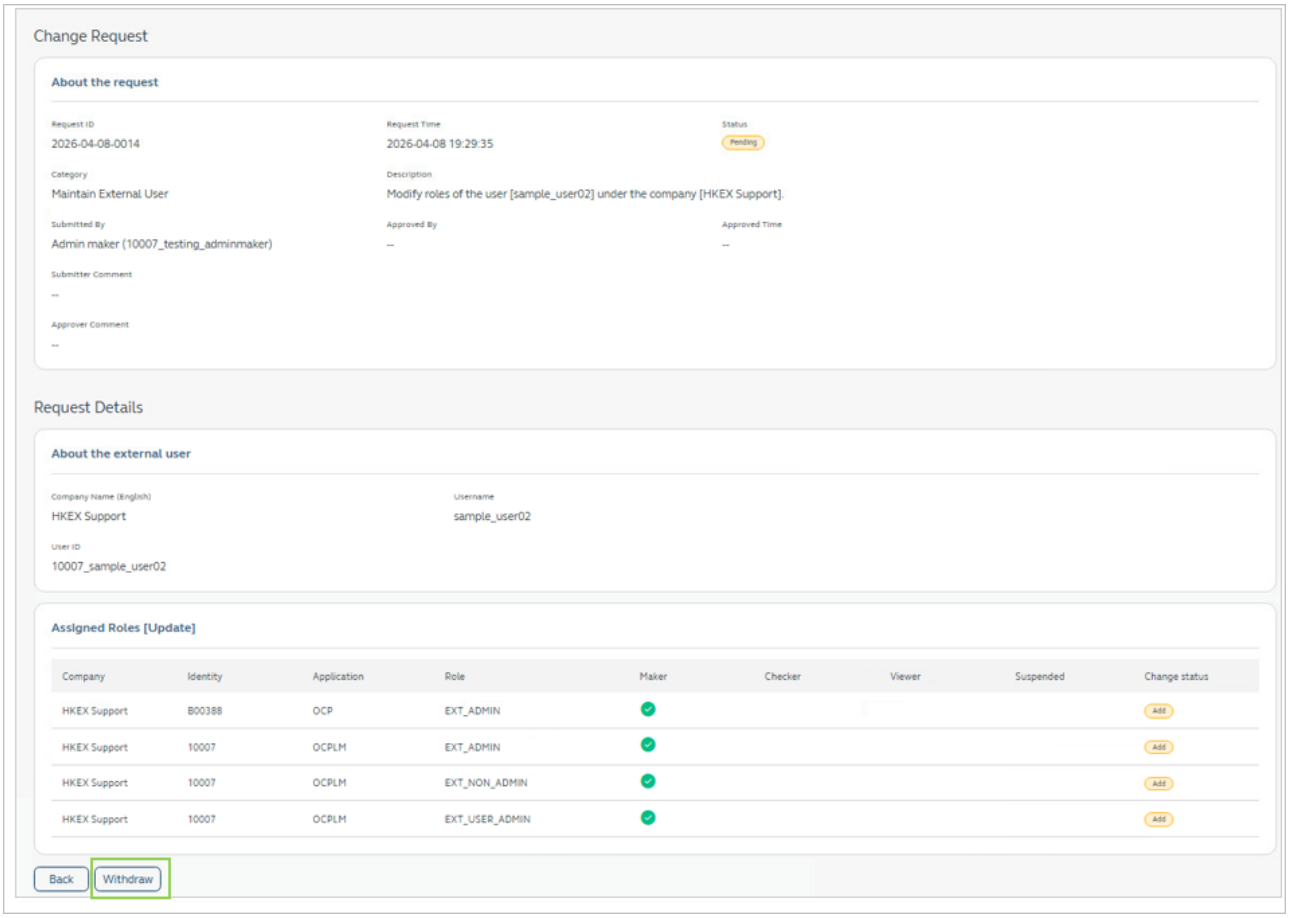
e) The DA (maker) can input comments and click **Submit for approval** in the prompt window. The request will then proceed through the maker-checker process.



2.7.6. My Requests

a) DA (maker) may track the request progress via the **Approve Requests** menu. All requests submitted by this maker will appear under the **My Requests** tab on the dashboard. The maker may click the "**>**" icon to view more details or **Withdraw the pending request** if needed.

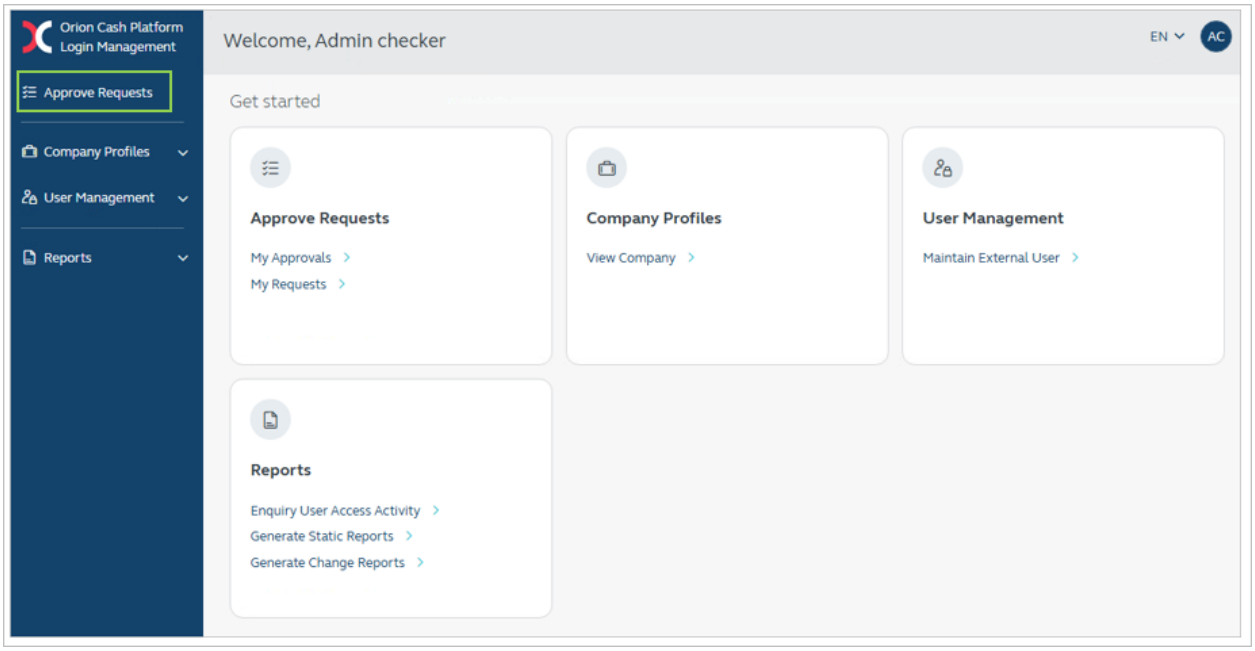




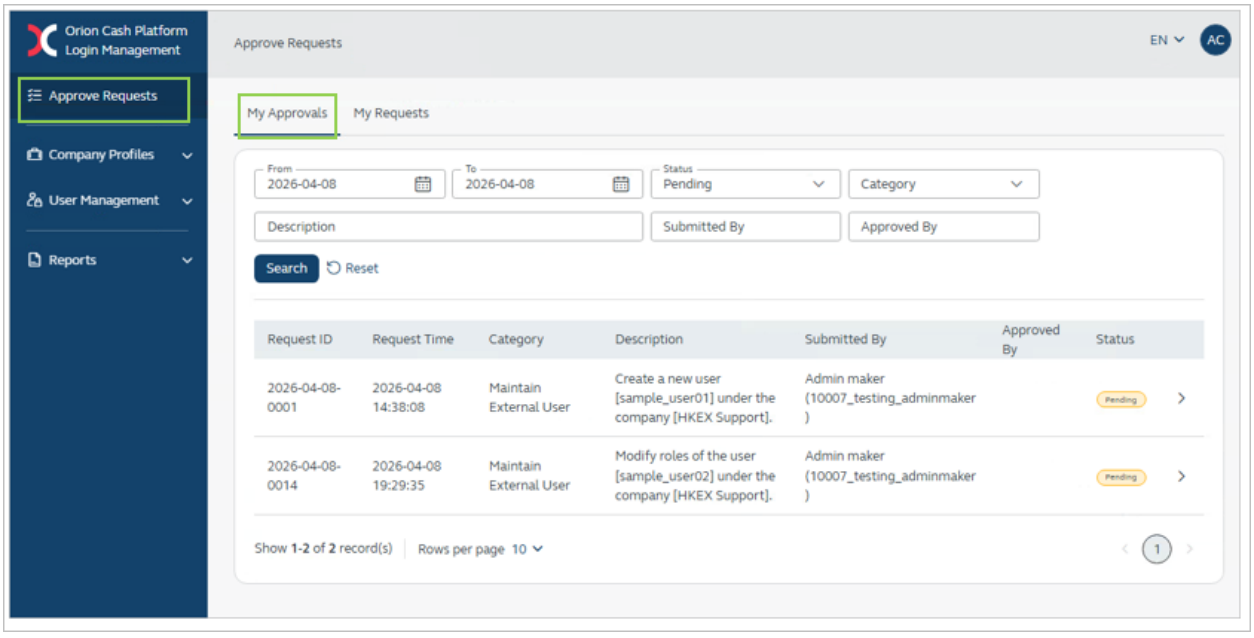
CHECKER

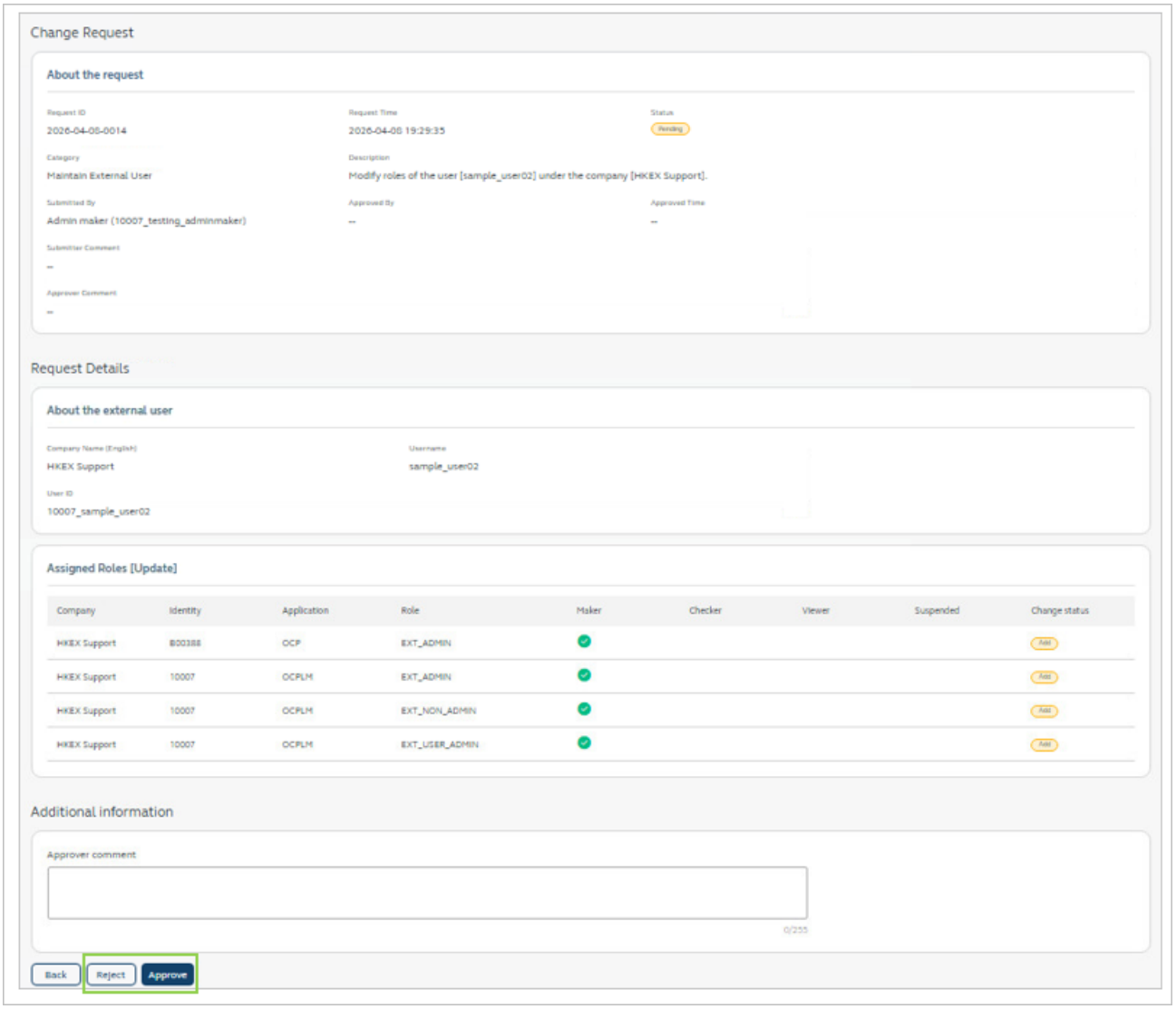
2.7.7. My Approvals

a) Login to OCP Login Management and go to **Approve Requests**

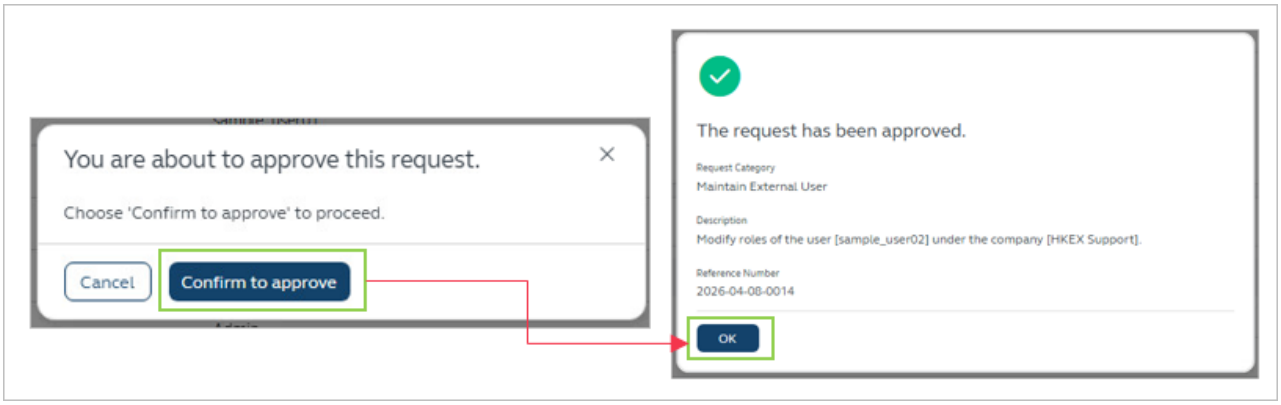


b) The DA (checker) clicks **Approve Requests,** the request submitted by DA (maker) will appear under the **My Approvals** tab on the dashboard. The checker may click the "**>**" icon to view more details to **Approve** or **Reject** a pending request in the confirmation dialogue.



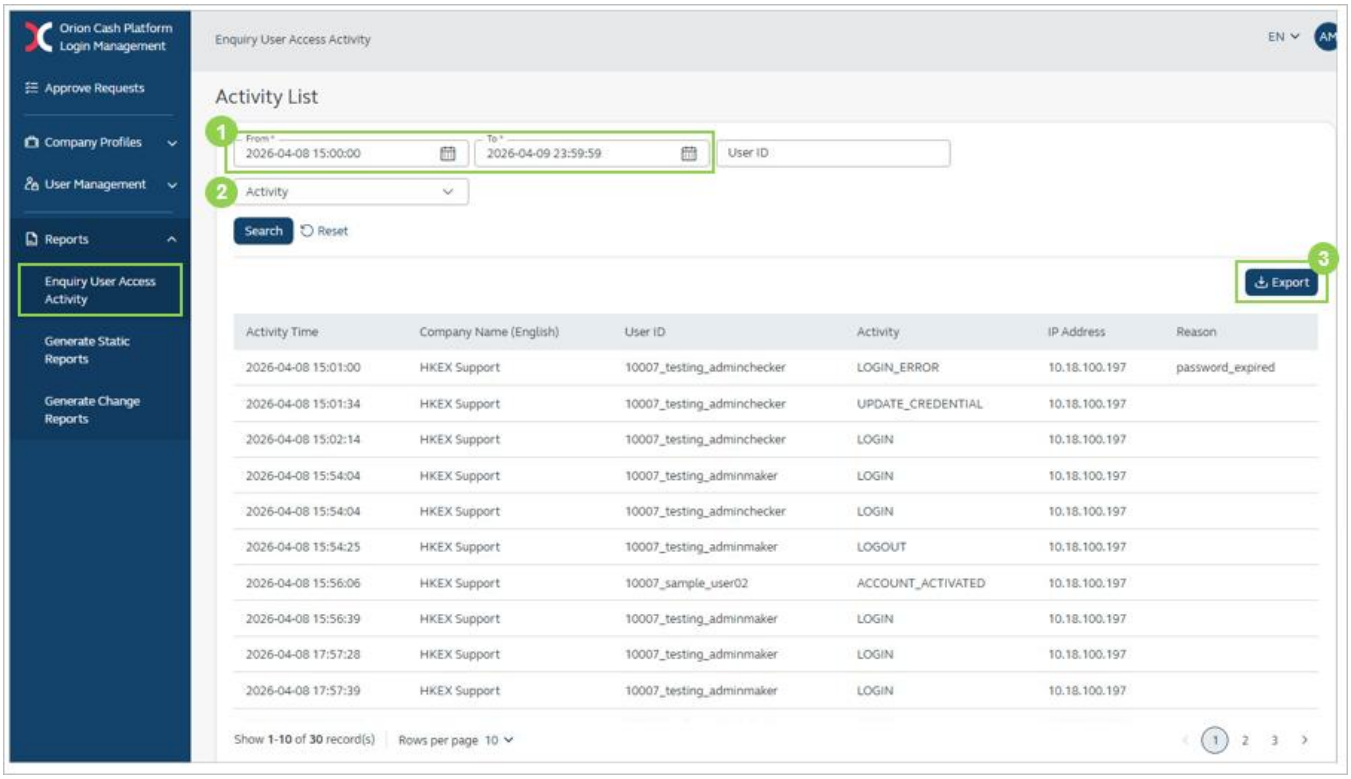


c) DA (checker) click **Confirm to approve** in the prompt window to complete the request.



2.8. Enquiry User Access Activity

This function allows DAs to query and export access activity records for their managed companies via the **Enquiry User Access Activity** menu as described below.



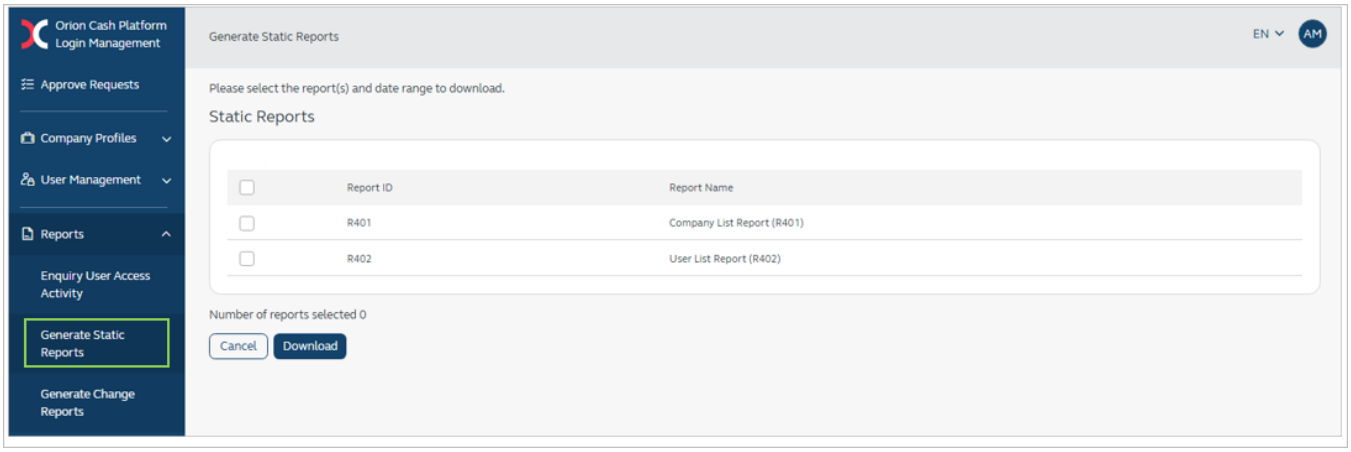
1 **From / To:** Default value as current date at 00:00:00. The selected date and time range must not exceed 7 calendar days.

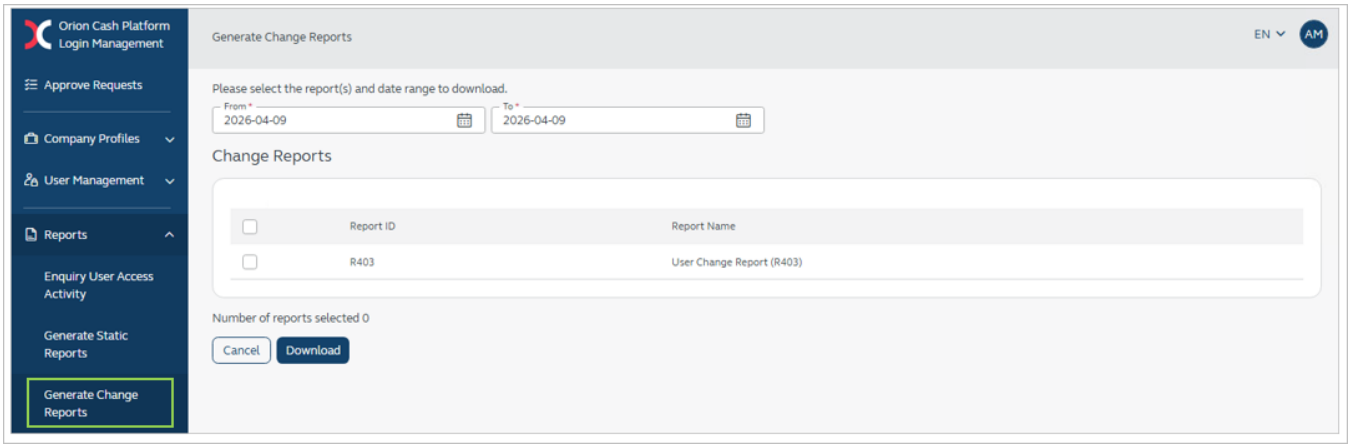
2 **Activity:** Allows users to search records by activity type, a maximum of 2,000 records will be displayed.

2 **Export:** Downloads the user access activity report in .CSV file (under a .ZIP file) based on the selected search criteria.

2.9. Reports

This function allows DAs to download reports for the companies they manage via the **Generate Static Reports** or **Generate Change Reports** menu as described below. Multiple reports may be selected in a single request, and the selected reports will be packaged and downloaded as a ZIP file.





2.9.1. Company List Report (R401)

The **Company List Report** allows DAs to download the previous day company details for the companies they manage. It is accessible via the **Generate Static Reports** menu.

Report Name	**R401-YYYYMMDD-HHMMSS**
ZIP File Name	**STATIC_REPORT-YYYYMMDD-HHMMSS.zip**
Description	YYYYMMDDHHMM = Report generation timestamp
Availability	On-demand, previous date image
Format	.ZIP (with .CSV files)

File format:

#	Value
File extension	.CSV
Format	Linux (i.e. hex value = 0x0A)
Encoding	UTF-8
Delimiter	, (comma)
Enclosed	" " (double-quotes)

Row Header Type Code:

Row Type Code	Row Name	Description
01	Report ID	Appears once only in the report and always be the first line of the report.
02	Report Header	Contains the report header information such as Report Name, Report generation date and time, disclaimer (if any). A report header may have multiple rows.
03	Section Header	Marks the start of a report section. A report may contain multiple sections, each with the same set of data columns. A section header may have multiple rows.
04	Column Header	Defines the column names for the report data. Each section may contain one column header row.
05	Data Row	Contains the actual report data. Each row represents one record, with fields separated by delimiters.
06	Section Footer	Contains summary or footer information for a section, if applicable. A section footer may have multiple rows.
07	Report Footer	Contains overall report summary information, such as the total number of data rows (excluding headers and footers). A report footer may have multiple rows.
99	End of Report	Indicates the end of the report. Any rows after this line should be ignored.
#	Comment Line	Contains comments only. The content of this row can be ignored.

Data fields:

Section 1: Company Record

#	Column Header (Field Name)	Format	Size
1	Company ID	Numeric	8
2	Company Name (English)	Numeric	200
3	Company Name (Traditional Chinese)	Numeric	255
4	Company Name (Simplified Chinese)	Numeric	255
5	Description (English)	Text	255
6	Description (Traditional Chinese)	Text	255
7	Description (Simplified Chinese)	Text	255
8	Internal / External	Text	1
9	Max Number of Web Users	Numeric	5
10	Max Number of API Users	Numeric	5
11	Company Status	Numeric	1

Section 2: IP Address

#	Column Header (Field Name)	Format	Size
1	Company ID	Numeric	8
2	IP Address Range	Text	31

Section 3: Identity Record

#	Column Header (Field Name)	Format	Size
1	Identity Type ID	Text	32
2	Identity Type Name	Text	255
3	Identity Code	Text	32
4	Company ID	Numeric	8
5	Company Name (English)	Text	150
6	Internal / External	Boolean	1
7	Identity Status	Numeric	1

Section 4: Identity Record

#	Column Header (Field Name)	Format	Size
1	Identity Type ID	Text	32
2	Identity Code	Text	36
3	Application ID	Text	32
4	Role ID	Text	32
5	Role Description	Text	255
6	Admin / Non-Admin	Boolean	1
7	Role Type	Text	16

Report Layout sample:

```
01,,R401
02,,HONG KONG EXCHANGES AND CLEARING LIMITED
02,,COMPANY LIST REPORT (R401)
02,,DATA CLASSIFICATION: INTERNAL
02,,DATE & TIME: 2026-04-09 16:57:18
03,01,Company Record
04,01,Company ID,Company Name (English),Company Name (Traditional Chinese),Company Name (Simplified Chinese),Description
(English),Description (Traditional Chinese),Description (Simplified Chinese),Internal / External,Max Number of Web Users,Max Number of API
Users,Company Status
05,01,10007,HKEX Support,HKEX 支援,HKEX 支援,Testing Description,測試描述,测试描述,N,6,1,2
06,01,TOTAL RECORDS,1
03,02,IP Address Range
04,02,Company ID,IP Address Range
06,02,TOTAL RECORDS,0
03,03,Identity Record
04,03,Identity Type ID,Identity Type Name,Identity Code,Company ID,Company Name (English),Internal / External,Identity Status
05,03,EXTERNAL_ADMIN,External Administrator,10007,10007,HKEX Support,N,2
05,03,HKSCC_PARTICIPANT,HKSCC Participant,B00388,10007,HKEX Support,N,2
06,03,TOTAL RECORDS,2
03,04,Allowed Role List
04,04,Identity Type ID,Identity Code,Application ID,Role ID,Role Description,Admin / Non-Admin,Role Type
05,04,EXTERNAL_ADMIN,10007,OCPLM,EXT_ADMIN,External Administrator for Role Assignment,Y,USER
05,04,EXTERNAL_ADMIN,10007,OCPLM,EXT_NON_ADMIN,External Non-Admin,N,USER
05,04,EXTERNAL_ADMIN,10007,OCPLM,EXT_USER_ADMIN,External User Administrator,Y,USER
05,04,HKSCC_PARTICIPANT,B00388,OCP,API_REF_DATA,API - Enquiry Reference Data,N,API
05,04,HKSCC_PARTICIPANT,B00388,OCP,API_RTT_DATA_G,API - Enquiry Real Time Trade for GCP,N,API
05,04,HKSCC_PARTICIPANT,B00388,OCP,EXT_ADMIN,External Admin for Role Assignment,Y,USER
06,04,TOTAL RECORDS,6
07,,TOTAL RECORDS,9
99,,
```

2.9.2. User List Report (R402)

The **User List Report** allows DAs to download the latest list of users details for the companies they manage. It is accessible via the **Generate Static Reports** menu.

Report Name	**R402-YYYYMMDD-HHMMSS**
ZIP File Name	**STATIC_REPORT-YYYYMMDD-HHMMSS.zip**
Description	YYYYMMDDHHMM = Report generation timestamp
Availability	On-demand, previous date image
Format	.ZIP (with .CSV files)

File format:

#	Value
File extension	.CSV
Format	Linux (i.e. hex value = 0x0A)
Encoding	UTF-8
Delimiter	, (comma)
Enclosed	" " (double-quotes)

Row Header Type Code:

Row Type Code	Row Name	Description
01	Report ID	Appears once only in the report and always be the first line of the report.
02	Report Header	Contains the report header information such as Report Name, Report generation date and time, disclaimer (if any). A report header may have multiple rows.
03	Section Header	Marks the start of a report section. A report may contain multiple sections, each with the same set of data columns. A section header may have multiple rows.
04	Column Header	Defines the column names for the report data. Each section may contain one column header row.
05	Data Row	Contains the actual report data. Each row represents one record, with fields separated by delimiters.
06	Section Footer	Contains summary or footer information for a section, if applicable. A section footer may have multiple rows.
07	Report Footer	Contains overall report summary information, such as the total number of data rows (excluding headers and footers). A report footer may have multiple rows.
99	End of Report	Indicates the end of the report. Any rows after this line should be ignored.
#	Comment Line	Contains comments only. The content of this row can be ignored.

Data fields:

Section 1: User Record

#	Column Header (Field Name)	Format	Size
1	Company ID	Numeric	8
2	Company Name (English)	Text	150
3	User Type	Text	16
4	User ID	Text	455
5	Username	Text	36
6	Admin / Non-Admin	Boolean	1
7	Internal / External	Boolean	1
8	User Status	Numeric	1
9	Login Alias	Text	255
10	Title	Text	16
11	User Type	Text	32
12	First Name	Text	32
13	Last Name	Text	255
14	Email Address	Text	17
15	Contact Number	Boolean	1
16	Blocked	Boolean	1
17	Locked	Date	8
18	Effective Start Date	Date	8
19	Effective End Date	Timestamp	8
20	Last Login Time	Numeric	1
21	OTP Delivery Method	Numeric	1
22	OTP Token Status	Numeric	8

Section 2: IP Address

#	Column Header (Field Name)	Format	Size
1	User ID	Numeric	45
2	IP Address Range	Text	15

Section 3: Managed Companies

#	Column Header (Field Name)	Format	Size
1	User ID	Text	45
2	Company ID	Numeric	8
3	Company Name (English)	Text	150

Section 4: Role Assignment

#	Column Header (Field Name)	Format	Size
1	User ID	Text	45
2	Company ID	Numeric	8
3	Identity Type ID	Text	32
4	Identity Type Name	Text	255
5	Identity Code	Text	32
6	Application ID	Text	32
7	Role ID	Text	32
8	Role Description	Text	255
9	Admin / Non-Admin	Boolean	1
10	Role Type	Text	16
11	Maker	Boolean	1
12	Checker	Boolean	1
13	Viewer	Boolean	1
14	Suspended	Boolean	1
15	Application Managed	Boolean	1

Section 5: API Public Keys

#	Column Header (Field Name)	Format	Size
1	User ID	Text	45
2	Creation Time	Date Time	8
3	Expiry Time	Date Time	8
4	Key ID	Text	120
5	Algorithm	Text	20
6	Fingerprint	Text	100

Report Layout sample:

```
01,,R402
02,,HONG KONG EXCHANGES AND CLEARING LIMITED
02,,USER LIST REPORT (R402)
02,,DATA CLASSIFICATION: INTERNAL
02,,DATE & TIME: 2026-04-09 16:57:18
03,01,User Record
04,01,Company ID,Company Name (English),User Type,User ID,Username,Admin / Non-Admin,Internal / External,User Status,Login Alias,Title,First Name,Last Name,Email Address,Contact Number,Blocked,Locked,Effective Start Date,Effective End Date,Last Login Time,OTP Delivery Method,OTP Token Status
05,01,10007,HKEX Support,API,10007_eidp_test_api_001,eidp_test_api_001,Y,N,3,eidp_test_api_001,,test,Luo,ocptest02@squareuat.com.hk,"'+86-123456789",N,N,,,,,
05,01,10007,HKEX Support,USER,10007_eidp_user_ia_001,eidp_user_ia_001,Y,N,3,eidp_user_ia_001,Mr.,EIDP IA,Testing1,ocptest02@squareuat.com.hk,"'+86-13234566",N,N,,,2025-12-24 15:45:15,1,2
05,01,10007,HKEX Support,USER,10007_sample_user01,sample_user01,Y,N,1,,Mr.,Amy,Chan,ocptest02@squareuat.com.hk,"'+852-12345678",N,N,,,,1,1
05,01,10007,HKEX Support,USER,10007_sample_user02,sample_user02,Y,N,2,,Mr.,Jason,Wong,ocptest02@squareuat.com.hk,"'+852-12334567",N,N,,,2026-04-08 15:56:06,1,2
05,01,10007,HKEX Support,USER,10007_testing_adminchecker,testing_adminchecker,Y,N,2,,Miss,Admin,checker,ocptest02@squareuat.com.hk,"'+852-21115679",N,N,,,2026-04-09 10:37:40,1,2
05,01,10007,HKEX Support,USER,10007_testing_adminmaker,testing_adminmaker,Y,N,2,,Miss,Admin,maker,ocptest02@squareuat.com.hk,"'+852-
```

```
21115678",N,N,2026-04-02,,2026-04-09 16:56:59,1,2
06,01,TOTAL RECORDS,6
03,02,IP Address
04,02,User ID,IP Address
05,02,10007_sample_user01,192.168.1.0
06,02,TOTAL RECORDS,1
03,03,Managed Companies
04,03,User ID,Company ID,Company Name (English)
06,03,TOTAL RECORDS,0
03,04,Role Assignment
04,04,User ID,Company ID,Identity Type ID,Identity Type Name,Identity Code,Application ID,Role ID,Role Description,Admin / Non-Admin,Role Type,Maker,Checker,Viewer,Suspended,Application Managed
05,04,10007_eidp_user_ia_001,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_ADMIN,External Administrator for Role Assignment,Y,USER,Y,Y,N,N,N
05,04,10007_eidp_user_ia_001,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_NON_ADMIN,External Non-Admin,N,USER,Y,Y,N,N,N
05,04,10007_eidp_user_ia_001,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_USER_ADMIN,External User Administrator,Y,USER,Y,Y,N,N,N
05,04,10007_sample_user02,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_ADMIN,External Administrator for Role Assignment,Y,USER,Y,N,N,N,N
05,04,10007_sample_user02,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_NON_ADMIN,External Non-Admin,N,USER,Y,N,N,N,N
05,04,10007_sample_user02,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_USER_ADMIN,External User Administrator,Y,USER,Y,N,N,N,N
05,04,10007_sample_user02,10007,HKSCC_PARTICIPANT,HKSCC Participant,B00388,OCP,EXT_ADMIN,External Admin for Role Assignment,Y,USER,Y,N,N,N,N
05,04,10007_testing_adminchecker,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_ADMIN,External Administrator for Role Assignment,Y,USER,N,Y,N,N,N
05,04,10007_testing_adminchecker,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_NON_ADMIN,External Non-Admin,N,USER,N,Y,N,N,N
05,04,10007_testing_adminchecker,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_USER_ADMIN,External User Administrator,Y,USER,N,Y,N,N,N
05,04,10007_testing_adminchecker,10007,HKSCC_PARTICIPANT,HKSCC Participant,B00388,OCP,EXT_ADMIN,External Admin for Role Assignment,Y,USER,N,Y,N,N,N
05,04,10007_testing_adminmaker,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_ADMIN,External Administrator for Role Assignment,Y,USER,Y,N,N,N,N
05,04,10007_testing_adminmaker,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_NON_ADMIN,External Non-Admin,N,USER,Y,N,N,N,N
05,04,10007_testing_adminmaker,10007,EXTERNAL_ADMIN,External Administrator,10007,OCPLM,EXT_USER_ADMIN,External User Administrator,Y,USER,Y,N,N,N,N
05,04,10007_testing_adminmaker,10007,HKSCC_PARTICIPANT,HKSCC Participant,B00388,OCP,EXT_ADMIN,External Admin for Role Assignment,Y,USER,Y,N,N,N,N
06,04,TOTAL RECORDS,15
03,05,API Public Keys
04,05,User ID,Creation Time,Expiry Time,Key ID,Algorithm,Fingerprint
05,05,10007_eidp_test_api_001,2025-12-24 15:25:20,2027-12-24 15:25:20,_O85DKQz-yLLj0_ro4TxIWfwPWWNMKEiPlab6HFUeKo,RS256,B0:08:57:2B:C3:9F:0E:2D:D6:FB:7E:B1:5C:7E:37:7A:09:42:F7:C8:1C:DF:96:FA:67:7B:21:3E:3E:4F:7C:A5
06,05,TOTAL RECORDS,1
07,,TOTAL RECORDS,23
99,,
```

2.9.3. User Change Report (R403)

The **User Change Report** allows DAs to download the list of changes made to the user records for the companies they manage. It is accessible via the **Generate Change Reports** menu.

Report Name	**R403-YYYYMMDD-HHMMSS**
ZIP File Name	**CHANGE_REPORT-YYYYMMDD-HHMMSS.zip**
Description	YYYYMMDDHHMM = Report generation timestamp
Availability	On-demand, previous date image
Format	.ZIP (with .CSV files)

File format:

#	Value
File extension	.CSV
Format	Linux (i.e. hex value = 0x0A)
Encoding	UTF-8
Delimiter	, (comma)
Enclosed	" " (double-quotes)

Row Header Type Code:

Row Type Code	Row Name	Description
01	Report ID	Appears once only in the report and always be the first line of the report.
02	Report Header	Contains the report header information such as Report Name, Report generation date and time, disclaimer (if any). A report header may have multiple rows.
03	Section Header	Marks the start of a report section. A report may contain multiple sections, each with the same set of data columns. A section header may have multiple rows.
04	Column Header	Defines the column names for the report data. Each section may contain one column header row.
05	Data Row	Contains the actual report data. Each row represents one record, with fields separated by delimiters.
06	Section Footer	Contains summary or footer information for a section, if applicable. A section footer may have multiple rows.
07	Report Footer	Contains overall report summary information, such as the total number of data rows (excluding headers and footers). A report footer may have multiple rows.
99	End of Report	Indicates the end of the report. Any rows after this line should be ignored.
#	Comment Line	Contains comments only. The content of this row can be ignored.

Data fields:

Section 1: Request Record

#	Column Header (Field Name)	Format	Size
1	Request ID	Numeric	20
2	Request Time	Date Time	8
3	Category	Text	50
4	Description	Text	255
5	Submitted By	Text	120
6	Approved By	Text	120
7	Approved Time	Date Time	8
8	Submitter Comment	Text	255
9	Approver Comment	Text	255

Section 2: User Record

#	Column Header (Field Name)	Format	Size	Remarks
1	Request ID	Numeric	20	
2	Action	Text	10	Domain values: Add/Update/Delete
3	User ID	Text	45	
4	Company ID	Numeric		
5	Username		8	
6	Admin / Non-Admin (Old)	Text	36	
7	Admin / Non-Admin (New)	Boolean	1	
8	Internal / External	Boolean	1	
9	User Type	Boolean	1	
10	User Status (Old)	Text	16	
11	User Status (New)	Numeric	1	
12	Login Alias (Old)	Numeric	1	
13	Login Alias (New)	Text	255	
14	Title (Old)	Text	255	
15	Title (New)	Text	16	
16	First Name (Old)	Text	16	
17	First Name (New)	Text	32	
18	Last Name (Old)	Text	32	
19	Last Name (New)	Text	32	
20	Email Address (Old)	Text	32	
21	Email Address (New)	Text	255	
22	Contact Number (Old)	Text	255	
23	Contact Number (New)	Text	17	

#	Column Header (Field Name)	Format	Size	Remarks
24	Blocked (Old)	Text	17	
25	Blocked (New)	Boolean	1	
26	Locked (Old)	Boolean	1	
27	Locked (New)	Boolean	1	
28	Effective Start Date (Old)	Boolean	1	
29	Effective Start Date (New)	Date	8	
30	Effective End Date (Old)	Date	8	
31	Effective End Date (New)	Date	8	
32	OTP Delivery Method (Old)	Date	8	
33	OTP Delivery Method (New)	Numeric	1	
34	OTP Token Status (Old)	Numeric	1	
35	OTP Token Status (New)	Numeric	1	

Section 3: IP Address

#	Column Header (Field Name)	Format	Size	Remarks
1	Request ID	Numeric	20	
2	Action	Text	10	Domain values: Add/Update/Delete
3	User ID	Text	45	

Section 4: Managed Companies

#	Column Header (Field Name)	Format	Size	Remarks
1	Request ID	Numeric	20	
2	Action	Text	10	Domain values: Add/Update/Delete
3	User ID	Text	45	
4	Company ID	Numeric	8	

Section 5: Role Assignment

#	Column Header (Field Name)	Format	Size	Remarks
1	Request ID	Numeric	20	
2	Action	Text	10	Domain values: Add/Update/Delete
3	User ID	Text	45	
4	Application ID	Text	32	

Report Layout sample:

```
01,,R403
02,,HONG KONG EXCHANGES AND CLEARING LIMITED
02,,USER CHANGE REPORT (R403)
02,,DATA CLASSIFICATION: INTERNAL
02,,DATE & TIME: 2026-04-09 17:09:20
03,01,Request Record
04,01,Request ID,Request Time,Category,Description,Submitted By,Approved By,Approved Time,Submitter Comment,Approver Comment
05,01,2026-04-08-0001,2026-04-08 14:38:08,Maintain External User,Create a new user [sample_user01] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 20:18:09,,
05,01,2026-04-08-0002,2026-04-08 15:00:43,Maintain External User,Create a new user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 15:03:59,sample02,
05,01,2026-04-08-0004,2026-04-08 15:35:32,Maintain External User,Delete the user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 15:36:24,,
05,01,2026-04-08-0005,2026-04-08 15:36:45,Maintain External User,Undelete the user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 15:36:54,,
05,01,2026-04-08-0006,2026-04-08 15:57:10,Maintain External User,Modify roles of the user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 15:57:35,,
05,01,2026-04-08-0007,2026-04-08 18:35:27,Maintain External User,Suspend the user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 18:35:44,,
05,01,2026-04-08-0008,2026-04-08 18:35:55,Maintain External User,Resume the user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 18:36:05,,
05,01,2026-04-08-0009,2026-04-08 18:36:15,Maintain External User,Block the user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 18:36:31,,
05,01,2026-04-08-0010,2026-04-08 18:36:43,Maintain External User,Unblock the user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 18:37:04,,
05,01,2026-04-08-0011,2026-04-08 18:39:31,Maintain External User,Unlock the user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 18:40:18,,
05,01,2026-04-08-0012,2026-04-08 19:20:33,Maintain External User,Modify roles of the user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 19:20:41,,
05,01,2026-04-08-0014,2026-04-08 19:29:35,Maintain External User,Modify roles of the user [sample_user02] under the company [HKEX Support].,Admin maker (10007_testing_adminmaker),Admin checker (10007_testing_adminchecker),2026-04-08 20:17:29,,
06,01,TOTAL RECORDS,12
03,02,User Record
04,02,Request ID,Action,User ID,Company ID,Company Name (English),Username,Admin / Non-Admin (Old),Admin / Non-Admin (New),Internal / External,User Type,User Status (Old),User Status (New),Login Alias (Old),Login Alias (New),Title (Old),Title (New),First Name (Old),First Name (New),Last Name (Old),Last Name (New),Email Address (Old),Email Address (New),Contact Number (Old),Contact Number (New),Blocked (Old),Blocked (New),Locked (Old),Locked (New),Effective Start Date (Old),Effective Start Date (New),Effective End Date (Old),Effective End Date (New),OTP Delivery Method (Old),OTP Delivery Method (New),OTP Token Status (Old),OTP Token Status (New)
05,02,2026-04-08-0001,Add,10007_sample_user01,10007,HKEX Support,sample_user01,,Y,N,USER,,,,,Mr.,,Amy,,Chan,,ocptest02@squareuat.com.hk,,"'+852-12345678",,,,,,,,,1,,
05,02,2026-04-08-0002,Add,10007_sample_user02,10007,HKEX Support,sample_user02,,Y,N,USER,,,,,Mr.,,Jason,,Wong,,ocptest02@squareuat.com.hk,,"'+852-12334567",,,,,,,,,1,,
05,02,2026-04-08-0004,Delete,10007_sample_user02,10007,HKEX Support,sample_user02,Y,,,,1,4,,,Mr.,,Jason,,Wong,,ocptest02@squareuat.com.hk,,"'+852-12334567",,N,,,,,,,1,,1,
05,02,2026-04-08-0005,Update,10007_sample_user02,10007,HKEX Support,sample_user02,,,,,4,1,,,,,,,,,,,,,,,,,,,,
05,02,2026-04-08-0007,Update,10007_sample_user02,10007,HKEX Support,sample_user02,,,,,2,3,,,,,,,,,,,,,,,,,,,,
05,02,2026-04-08-0008,Update,10007_sample_user02,10007,HKEX Support,sample_user02,,,,,3,2,,,,,,,,,,,,,,,,,,,,
05,02,2026-04-08-0009,Update,10007_sample_user02,10007,HKEX Support,sample_user02,,,,,,,,,,,,,,,,,,N,Y,,,,,,,,
05,02,2026-04-08-0010,Update,10007_sample_user02,10007,HKEX Support,sample_user02,,,,,,,,,,,,,,,,,,Y,N,,,,,,,,
05,02,2026-04-08-0011,Update,10007_sample_user02,10007,HKEX Support,sample_user02,,,,,,,,,,,,,,,,,,Y,N,,,,,,,
06,02,TOTAL RECORDS,9
03,03,IP Address
04,03,Request ID,Action,User ID,IP Address
05,03,2026-04-08-0001,Add,10007_sample_user01,192.168.1.0
06,03,TOTAL RECORDS,1
03,04,Managed Companies
04,04,Request ID,Action,User ID,Company ID
06,04,TOTAL RECORDS,0
03,05,Role Assignment
04,05,Request ID,Action,User ID,Company ID,Identity Type ID,Identity Code,Application ID,Role ID,Maker,Checker,Viewer,Suspended
05,05,2026-04-08-0006,Add,10007_sample_user02,10007,HKSCC_PARTICIPANT,B00388,OCP,EXT_ADMIN,Y,N,N,N
05,05,2026-04-08-0006,Add,10007_sample_user02,10007,EXTERNAL_ADMIN,10007,OCPLM,EXT_ADMIN,Y,N,N,N
05,05,2026-04-08-0006,Add,10007_sample_user02,10007,EXTERNAL_ADMIN,10007,OCPLM,EXT_NON_ADMIN,Y,N,N,N
05,05,2026-04-08-0006,Add,10007_sample_user02,10007,EXTERNAL_ADMIN,10007,OCPLM,EXT_USER_ADMIN,Y,N,N,N
05,05,2026-04-08-0012,Delete,10007_sample_user02,10007,HKSCC_PARTICIPANT,B00388,OCP,EXT_ADMIN,N,N,N,N
05,05,2026-04-08-0012,Delete,10007_sample_user02,10007,EXTERNAL_ADMIN,10007,OCPLM,EXT_ADMIN,N,N,N,N
05,05,2026-04-08-0012,Delete,10007_sample_user02,10007,EXTERNAL_ADMIN,10007,OCPLM,EXT_NON_ADMIN,N,N,N,N
05,05,2026-04-08-0012,Delete,10007_sample_user02,10007,EXTERNAL_ADMIN,10007,OCPLM,EXT_USER_ADMIN,N,N,N,N
05,05,2026-04-08-0014,Add,10007_sample_user02,10007,HKSCC_PARTICIPANT,B00388,OCP,EXT_ADMIN,Y,N,N,N
05,05,2026-04-08-0014,Add,10007_sample_user02,10007,EXTERNAL_ADMIN,10007,OCPLM,EXT_ADMIN,Y,N,N,N
05,05,2026-04-08-0014,Add,10007_sample_user02,10007,EXTERNAL_ADMIN,10007,OCPLM,EXT_NON_ADMIN,Y,N,N,N
05,05,2026-04-08-0014,Add,10007_sample_user02,10007,EXTERNAL_ADMIN,10007,OCPLM,EXT_USER_ADMIN,Y,N,N,N
06,05,TOTAL RECORDS,12
07,,TOTAL RECORDS,34
99,,
```

2.10. Service Window

The OCP Login Management is accessible via the production SDNet circuit from **Monday 03:00 a.m. to Saturday 12:00 p.m.**

Any additional ad-hoc maintenance work will be communicated to users in advance.

3. Fee Schedule

⚠ The fee schedule will be announced in due course, subjected to regulatory approval.

4. Frequently Asked Questions (FAQ)

4.1. How many user accounts will be offer in OCP Login Management?

Each eligible CP will be offered **a maximum of six (6) web user accounts per company, inclusive of administrative user accounts, and subject to a maximum of twenty (20) users per company**. If additional web user account or API account are required, CP may submit the **OCP User Account Application Form (OCPDA 2)** to HKSCC. Applicable fees for additional user accounts shall apply, the relevant fee details will be available in the HKSCC Operational Procedures upon the launched of OCP API services.

⚠ Details regarding access to the OCPLM will be announced in due course.

4.2. Are there any pre-requisites for using OCP API services?

Development:

- Participant is required to subscribe a development SDNet link by submitting Form TECHS 6 CCASS/CCMS SDNET LINE SERVICE NOTIFICATION for testing purpose.
- Existing Participant Gateway (PG) users may choose to share their existing development circuit or subscribe to a dedicated one.
- Participants are required to complete the OCP API Certification Test with HKEX to certify their system readiness before production implementation. Please refer to the **OCP API Service – API Certification Testing Guide** for details.

Production:

- Participants may utilise their existing C3T production SDNet circuit and IP address settings to access OCP, in line with current CCASS practice. CPs are advised to assess their existing bandwidth and liaise with the Accredited Vendors to upgrade bandwidth or subscribe to a dedicated circuit if necessary, depending on their business need and expected transaction volumes. Where a dedicated SDNet circuit is adopted, its usage and access control shall be managed by the CPs themselves. Notwithstanding this, such dedicated SDNet circuit is technically capable of supporting C3T connectivity by default.

4.3. Where can we obtain the OCP API message specifications?

To support participant's early planning and development for the new OCP API Services, the API Technical Specification and the Offline API simulator are available on Developer Corner (https://dev.hkex.com.hk)

4.4. How to apply for the API Certification Test?

Eligible HKSCC Participants may register for the **OCP API Certification Test** by submitting the **OCP API Certification Test Application Form (TechS 9)** via Client Connect. Please refer to the **OCP API Service – API Certification Testing Guide** for details.

4.5. What functions will be supported by OCP API?

The following API functions are planned to be launched under the OCP API Service:

Functions	Business Transactions	Target Launch*
New Clearing Functions		
Real Time Trade Information	Enquire Real Time Trade Information for NCP/NCCCP	Q3 2026
Reference Data	Enquire Stock List	Q3 2026
	Enquire Trading and Settlement Calendar	Q3 2026
	Enquire Participant List	Q3 2026
	Enquire NCP/NCCCP vs GCP Mapping	Q3 2026
Existing CCASS Clearing and Settlement Functions		
Maintain SI	Input SI	Q2 2027
	Change SI	Q2 2027
	Change Hold Matched SI	Q2 2027
	Cancel SI	Q2 2027
	Revoke Matched SI	Q2 2027
	Change Matched/Settled SI	Q2 2027
	Enquire SI	Q2 2027
	Enquire SI Unmatched Reason	Q2 2027
	Enquire Deleted SI	Q2 2027
SI Status Update	Push-based API Updates on SI Status Change	Q2 2027
Maintain ISI	Input ISI	Q2 2027
	Change ISI	Q2 2027
	Cancel ISI	Q2 2027

	Enquire ISI	Q2 2027
Maintain DI	Input DI	Q2 2027
	Change DI Requirement	Q2 2027
Maintain ATI	Input ATI	Q2 2027
	Input Mass ATI/STI	Q2 2027
	Change Mass ATI/STI	Q2 2027
	Cancel Mass ATI/STI	Q2 2027
	Enquire Mass ATI/STI	Q2 2027
Maintain STI	Input STI	Q2 2027
	Revoke STI	Q2 2027
	Enquire STI	Q2 2027
Enquiries Functions		
Enquire Settlement Account/Status	Enquire Due/Overdue Position	Q2 2027
	Enquire Stock Account Balance	Q2 2027
	Enquire Stock Account Movement	Q2 2027
	Enquire Settlement Activity	Q2 2027
	Enquire Money Position	Q2 2027
Broadcast Messages		
Broadcast Messages	Broadcast/ Notification Messages	Q2 2027

**Note: The actual launch date is subjected to regulatory approval*

4.6. Will additional OCP API Services be introduced in the future?

Yes. Future enhancements and new API endpoints under the OCP API Service will be introduced progressively in line with the ongoing development of the OCP. For the latest updates, please visit the OCP webpage.

4.7. Will OCP API Service be mandatory upon launched?

No. The OCP API Service will be offered as an optional, subscription-based service for HKSCC Participants. It is highly recommended for participants with high transaction volume or those seeking greater automation and operational efficiency.

4.8. What is the operating hour of the OCP API Service?

OCP API Service hours will follow CCASS service hours from 7:15 a.m. to 9:30 p.m., Monday to Friday (except public holidays) as specified in Section 6 of HKSCC Operational Procedures.

4.9. If a Participant intended to install more than one OCP API account, are multiple network lines required?

No. A single network line can support multiple OCP API accounts, subject to the line speed and capacity. (Reference link: SDNet connectivity information)

4.10. Would there be a fixed email sender address for OCP Login Management?

Yes. All emails generated by the OCPLM system (e.g. OTP or account activation notifications) will be sent from the dedicated sender address **no-reply.login@ocp-mail.hkex.com.hk.** Participants are advised to whitelist this email address to help ensure such OCPLM notification are successfully delivered and filtered as spam.

5. Support

For any enquiries, participants may contact the OCP support team through the following channels:

Operating Hours: 09:00 to 18:00, Mondays to Fridays (excluding public holidays)

CCASS Hotline: 2979-7111
OCP Support Mailbox: OCP_Support@hkex.com.hk